

**Best Practice 2: Academic Administration Plan (AAP)****Objectives/intended outcomes:**

The Academic Administration Plan (AAP) is an institutional document that functions as an elaborate teaching plan. The document will chart the course, examining the past performance of learners and determines strategies for future improvement. It is a holistic document that leverages the cognitive, affective, and behavioural aspects of the course to the course and programme outcome.

**The Context:**

AAP serves to guide the instructor to prepare students for learning and be prepared to impart learning. Learning cannot be solely a spontaneous endeavour. Probing student response from past performance, gauging course-mapping and consequently, determining a strategy for teaching, enhances the teaching-learning experiences.

**The Practice:**

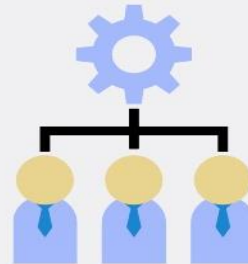
# ACADEMIC ADMINISTRATION PLAN

AAP serves to guide the instructor to prepare students for learning and be prepared to impart learning. Learning cannot be solely a spontaneous endeavour. Probing student response from past performance, gauging course-mapping and consequently, determining a strategy for teaching, enhances the teaching-learning experiences.

## Course Allocation

2 months before the start of the semester

Teachers are assigned the course so that the teacher begins preparing the AAP



## Investigation

- The course objectives are understood and aligned with objectives to discern the contextual importance of the course.
- Past performance of learners is reviewed to comprehend learner's ability to grasp course content.
- Teacher identifies challenging topics (caustic topics) to determine an optimal teaching strategy for future learners.

## Workshop

- AAP workshop is scheduled for each cluster.
- An external academic mentor and an internal academic mentor is present during the presentation to review the AAP.
- An industry mentor brings insights from the job market and the field that students aim to be absorbed into in the future.



## Preview

- The revised AAP is approved by all mentors.
- It is reviewed during a process called Preview. The Preview is conducted by the HoD & the CAO.
- The Preview is a meeting that checks the preparedness of the teacher for the ensuing semester.



## V-Refer

- AAP is uploaded to V-Refer.
- V-Refer is a repository of course material and teaching documents.
- The AAP is now accessible to both faculty members and students for perusal. The uploaded AAP serves as the final draft for the ensuing semester.



## Additions

- The AAP undergoes constant updates to accommodate new developments in education and in the industry.
- Education 4.0 has been heralded as a new learning approach that incorporates the fourth industrial revolution (4IR/ Industry 4.0).





- The AAP has been a practice at the institute since 2017 and has since then functioned as the backbone of teaching activities at VSIT. Additionally, it has undergone updates to meet the demands of changing academic demographic and trends in teaching.
- Two months before the semester commences, the teacher is assigned the course so that the teacher begins preparing the AAP.
- The teacher investigates the course in detail. The course objectives are understood and aligned with objectives to discern the contextual importance of the course. The past performance of learners is reviewed to comprehend learner's ability to grasp course content. In addition to reviewing learner's past performance, the teacher also identifies challenging topics (caustic topics) to determine an optimal teaching strategy for future learners.
- The AAP also serves as a pre-course tracker, enabling the teacher to schedule topics and build a comprehensive lesson plan. The AAP also works to empower teachers to apply innovative teaching methodologies and non-traditional classroom teaching methods to teach in a manner that is interesting, edutaining and practical. Robust classroom sessions are possible due to the meticulous planning that a teacher is compelled to by the structure of the AAP. The AAP figures a detailed organization of class teaching hours and methodical scheduling of assignments to ensure smooth delivery of course content and efficiency.
- Preparing the AAP necessitates course comprehension, examination of course content, review of exam performance, consultation of previous instructors, allocation of topics for case study and/ or problem-based learning (PBL) and/ or flipped classroom learning and/or project/mini project and/ or self-study and/or other activity-based learning. The AAP is also positioned in a nexus of programme domains to identify the scope of the course content and its potential for capacity building.

**The AAP Workshop:**

- An AAP workshop is scheduled for each cluster/ department. The instructor presents the AAP and explains their strategy for teaching. An industry mentor, an external academic mentor and an internal academic mentor is present during the presentation to review the AAP. The mentors contribute expert insights to enhance the AAP and course comprehension while providing suggestions to improve classroom delivery. The industry mentor brings insights from the job market and the field that students aim to be absorbed into in the future. This enables the teacher to re-align, wherever necessary, various activities to upskill students. The external academic mentor brings expertise and knowledge of working academic conditions from another college, giving the teacher a competitive edge by imparting academic and administrative awareness. The internal academic mentor is a faculty member of the institute itself who serves to guide the teacher and help understand how suggestions can be implemented in the institution's operative capacity. The three mentor extensively reinforce ideals of teaching and skill development through their valuable suggestions. Additionally, the AAP workshop is enhanced with the presence of all the members of the cluster/ department. Suggestions from peers and the Head of the Department act as the final touch to the AAP draft.
- The revised AAP is approved by all mentors.
- It is reviewed during a process called Preview. The Preview is conducted by the Head of the Department and the Chief Academic Officer. The Preview is a meeting that checks the preparedness of the teacher for the ensuing semester. The AAP is soon uploaded to V-Refer. V-Refer is a repository of course material and teaching documents. The AAP is now accessible to

both faculty members and students for perusal. The uploaded AAP serves as the final draft for the ensuing semester.

- Once the semester commences, the AAP is displayed to the students and discussed so that they are informed about the syllabic plan and mode of implementation. This ensures transparency and keeps students informed about parameters used for assessment and empowers them to strategize learning. The AAP is therefore a document that serves the interests of both the learner and teacher and functions as a blueprint for the semester.

**Additions to the AAP include:**

- i. List of research papers and literature,
- ii. List of companies that provide relevant internship opportunities to enable pre-professional experience,
- iii. Identification of problem statements based on current market trends using live cases, identification of best guest speakers to address the same problem statements and market trends,
- iv. Identification of competitions that the students can participate in to test their awareness and simultaneously expand their knowledge in a healthy competitive environment and network with peers and mentors from the industry.
- v. Identification of top schools/ universities that teach similar/ same courses and possess a valuable repository of learning content,
- vi. Recent faculty certification details in a pertinent course,
- vii. Faculty certification in any refresher course or details of training acquired under the guidance of the cluster mentor,
- viii. Identification and adoption of various best practices,
- ix. Details of Beyond Syllabus Activities (BSA) for mitigation of the gap between industry and academia,
- x. Details of mentoring sessions done between the learner and teacher to resolve doubts and other issues that learners may experience in their academic time on campus.
- xi. The AAP undergoes constant updates to accommodate new developments in education and in the industry. Education 4.0 has been heralded as a new learning approach that incorporates the fourth industrial revolution (4IR/ Industry 4.0). 4IR brings into the industry the operational and cultural impact of technological developments in varied fields of intelligence. With the rise of robotics, AI, data science and automation to name a few, the industry has witnessed immense changes. This has significantly impacted working conditions, employment patterns and altered the demand of the job market. A graduate's rate of success in absorption is now tested in these uncharted waters. Education must therefore evolve to empower students to chart these waters successfully.

**Evidence of Success**

The volume of suggestions procured from the mentors, external and internal, have led to the realisation that there is a need to systematically monitor, regulate, plan and implement said suggestions in a manner that empowers instructors and students. Hence the departments have created a detailed document called an AAP Compliance to meticulously track curriculum delivery and activities aligned with the suggestions provided and the principles of Education 4.0.

The AAP compliance document is an excellent way to monitor student attendance, activities conducted, outcome of such efforts and the path followed to achieve the course outcomes. This ensures better implementation of Beyond Syllabus Activities and also helps plan micro-assessments to improve class performance in term examination. The AAP compliance is reviewed every semester by the HOD and suggestions are provided. These suggestions are incorporated when the AAP is prepared next semester on the same course. Hence the AAP and the AAP compliance stand at the ends of a cyclic process that aims not to recycle but to refresh and reinvent the teaching-learning process

**Problems encountered and Resources Required:**

- 1. Due to faculty leaves there might be a change in AAP compliance**
- 2. Mapping with POs and COs**



**Consolidated Academic Administration Plan for the Course**  
**USIT602 Security in Computing, USIT6P2 Security in Computing Practical –**  
**Sem.VI –**  
**B.Sc. (Information Technology)– 2021-2022 – Even Semester**  
**Ms. Prachi Mahajan, Ms. Spruha More**

The academic resources available in VSIT –

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All textbooks, reference books, e-books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Importance of security in all aspects related to computing, such as Network, Operating System, and Storage.
Affective	What do you want students to think / care about?	The need for Authorization, Authentication, and various Encryption/Decryption techniques.
Behavioural	What do you want students to be able to do?	Apply the various techniques learnt to protect and secure their Data, OS, Network and Storage.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Understand the basic design principles of security and know various security models.	Unit 1
CO2	Realise application of Symmetric Key Cryptography, Storage and Database Security	Unit 2
CO3	Learn to design Secure Networks using the connecting devices.	Unit 3
CO4	Analyse the need of Intrusion Detection and Prevention Systems, Operating System Security Models.	Unit 4
CO5	Evaluate feasibility of Virtualization and Cloud Computing for different types of data and Designing Secure Web Applications.	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												

CO 4												
------	--	--	--	--	--	--	--	--	--	--	--	--

#### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '–':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

#### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		√					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USIT602	Security in Computing	75	50	--	2	2	--	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
USIT602	Security in Computing	30 (Scaled to 7.5)	30 (Scaled to 7.5)	15	75	100 (Scaled to 10)	50	-	150

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
Div A	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
Div B	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
Div C	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
Div D	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
Div E	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.

#### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
<b>Div A</b>	Tuesday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div B</b>	Tuesday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div C</b>	Tuesday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div D</b>	Tuesday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div E</b>	Tuesday	3:00 pm to 4:00 pm	Reading Room/ MS Teams

## 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module (No of Lect)	% Weightage in University Question Papers
1	Information Security Overview, Threats, Types of Attacks, Secure Design Principles.	05	20
2	Authentication and Authorization, Encryption, Storage Security and Database Security.	10	20
3	Secure Network Design, Network Design Security, Firewalls, Wireless Network Security.	07	20
4	Intrusion Detection and Prevention Systems, Voice over IP, OS Security Models	10	20
5	Virtual Machines and Cloud Computing, Secure Application Design, Physical Security	08	20
<b>*Lecture Count modified as per suggestions by Mentor Total</b>		<b>40 lectures X 60 Minutes</b>	<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	I	Operating Systems	Virtual Machines
2	III	Computer Networks	Network Devices, Types of Networks, Wired and Wireless Networks.
3	III	Database Management Systems	Concepts of Database, Database Backup and Recovery, Auditing and Monitoring.

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	T.Y.B. Sc.IT	Project
2	M.ScIT Sem I	Cloud Computing



3	M.ScIT Sem III	Security Breaches and Countermeasures
---	----------------	---------------------------------------

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Storage Security (Unit I) – Organisations use algorithm 'Crypto Shredding'
2	Database Security (Unit I) – Organisations use Authentication, Authorisation, Auditing, ACL, Monitoring
3	Firewall Design (Unit III) – CCNA Firewall includes SDM Demo
4	Wireless Intrusion Detection and Prevention (Unit III) – Car thefts, Fire Alarms, Surveillance Systems

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Apr 2022	Apr 2021	Apr 2020	Apr 2019
Course Passing % – Average of 5 Divisions	100	100	100	91.17
Marks Obtained by Course Topper (marks/100)			--	--

	Division A		Division B		Division C		Division D		Division E	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Apr 2021	PM, SM	100 (Div 1)	PM, SM	100 (Div 2)	PM, SM	100 (Div 3)				
Apr 2020	GS	100	PMM	100	GS	100	PMM	100	GS	100
Apr 2019	GS	90.38	PMM	92.86	GS	90.74	PMM	91.04	GS	90.74

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Public Key Infrastructure	I	Compare and Contrast of different techniques
Risk Remediation	II	Breakdown techniques in categories, remember important points for each

## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Textbooks (T – Symbol for Textbooks) to be Referred by Students

Sr. No	Textbook Titles	Author/s	Publisher	Edition	Module Nos.
1	The Complete Reference: Information Security	Mark Rhodes-Ousley	McGraw Hill	2 <sup>nd</sup>	1-5

### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
--------	-----------------------	----------	-----------	---------	-------------

1	Essential Cybersecurity Science	Josiah Dykstra	O'Reilly	5 <sup>th</sup>	1-5
2	Principles of Computer Security: CompTIA Security+ and Beyond	Wm.Arthur Conklin, Greg White	McGraw Hill	2 <sup>nd</sup>	1-5

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	The Complete Reference: Information Security	Mark Rhodes-Ousley	McGraw Hill	2 <sup>nd</sup>	1-5

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	International Journal of Information Security <a href="https://www.springer.com/journal/10207">https://www.springer.com/journal/10207</a>	Info Security Magazine <a href="https://www.infosecurity-magazine.com/">https://www.infosecurity-magazine.com/</a>	1-5
	Journal of Cryptology <a href="https://www.springer.com/journal/145">https://www.springer.com/journal/145</a>	Cyber Security Magazine <a href="https://cybersecurity-magazine.com/">https://cybersecurity-magazine.com/</a>	1-5
3	Journal of Information Security and Applications <a href="https://www.journals.elsevier.com/journal-of-information-security-and-applications">https://www.journals.elsevier.com/journal-of-information-security-and-applications</a>	CISO MAG <a href="https://cisomag.eccouncil.org/">https://cisomag.eccouncil.org/</a>	1-5
4	International Journal of Innovative Research and Advanced Studies <a href="http://www.ijiras.com">www.ijiras.com</a>	SECURITY <a href="https://www.securitymagazine.com/">https://www.securitymagazine.com/</a>	1-5

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1	√	√	√	√		√	Y		Ref 1:The Complete Reference: Information Security Pg 3-93
2	√	√	√	√		√	Y		Ref 1:The Complete Reference: Information Security Pg 167-274
3	√	√	√	√		√	Y		Ref 1:The Complete Reference: Information Security Pg 300-396
4	√	√	√	√		√	Y		Ref 1:The Complete Reference: Information Security Pg 399-475
5	√	√	√	√		√	Y		Ref 1:The Complete Reference: Information Security Pg 575-797

#### 4.f Web Links for Online Notes/YouTube/VIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	MIT 6.858 Computer Systems Security, Fall 2014 - MIT Open Courseware <a href="https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-858-computer-systems-security-fall-2014/">https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-858-computer-systems-security-fall-2014/</a>	1-5
2	Systems and Usable Security <a href="https://onlinecourses.nptel.ac.in/noc22_cs36/preview">https://onlinecourses.nptel.ac.in/noc22_cs36/preview</a>	1-5
3	Introduction to Information Security <a href="https://nptel.ac.in/courses/106/106/106106129/">https://nptel.ac.in/courses/106/106/106106129/</a>	1-5

#### 4.g

#### Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Introduction to Cybersecurity <a href="https://www.netacad.com/courses/cybersecurity/introduction-cybersecurity">https://www.netacad.com/courses/cybersecurity/introduction-cybersecurity</a>	CISCO	15 hours	Badge on successful completion of course
2	Systems and Usable Security <a href="https://onlinecourses.nptel.ac.in/noc22_cs36/preview">https://onlinecourses.nptel.ac.in/noc22_cs36/preview</a>	NPTEL	04 Weeks	Yes, on successful result in proctored exam
3	Intro to Malware Analysis and Reverse Engineering <a href="https://www.cybrary.it/course/malware-analysis/">https://www.cybrary.it/course/malware-analysis/</a>	CYBRARY	09 Hours	Yes, on successful completion of course
4	Penetration Testing and Ethical Hacking <a href="http://www.cybrary.it/course/ethical-hacking/">www.cybrary.it/course/ethical-hacking/</a>	CYBRARY	07 Hours	Yes, on successful completion of course

#### 4.h

#### Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Certified Ethical Hacker v10 (CEH)	Mr Sarang Nagmote IIM Calcutta Alumni & info Security Leader	50 hrs	Y

#### 4.i

#### Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	-	-

#### 5.

#### Consolidated Course Lesson Plan



	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	06/12/2021		14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	<b>Subject Introduction, Information Security Overview:</b> The Importance of Information Protection, The Evolution of Information Security	Poll, Quiz	Powerpoint, Video Clip	1	Ref 1/ Chp1 / 3-8
	2		Security Methodology, How to Build a Security Program, The Impossible Job	Viva, Quiz	Powerpoint	2	Chp1/11-18
	Self Study		The Weakest Link, Strategy and Tactics, Business Processes vs. Technical Controls			Self Study	Chap 1 / 19-23
	3		<b>Risk Analysis:</b> Threat Definition, Types of Attacks	Quiz	Powerpoint	3	Chp2 / 25- 39
2	4		Types of Attacks	Match Card	Powerpoint, Video Clip	4	Chp2 /40-51
	Self Study		Risk Analysis	Quiz		Self Study	Chp2 /51
	5		<b>Secure Design Principles:</b> The CIA Triad and Other Models, Defence Models, Zones of Trust	Student Presentation on current security attacks	Powerpoint	5	Chap 4 / 85 -93
	6	2	<b>Authentication, Authorization:</b> Authentication	Quiz	Powerpoint	6	Chap 7 /175-182
3	7		Authorization	Fill in the blanks	Powerpoint	7	Chap 7 /182-186
	Self Study		<b>Encryption:</b> A Brief History of Encryption	Time to climb		Self Study	Chap 10 / 241-243
	8		Symmetric-Key Cryptography Public Key Cryptography Public Key Infrastructure	Match the type of security with scenario	Powerpoint, Video Clip	8	Chap 10 /243-245 Chap 10 /245-246 Chap 10 /247-249
	9		<b>Storage Security:</b> Evolution Modern Storage Security	Quiz	Powerpoint	9	Chap 11 / 253 -254 Chap 11 /255-261
4	10		Risk Remediation	Poll, Viva	Powerpoint	10	Chap 11 /261-270
	Self Study		Best Practices	Match Card		Self Study	Chap 11 /270-271
	11		<b>Database Security:</b> General Database Security Concepts, Understanding Database Security Layers	Viva on video shown	Powerpoint, Video Clip	11	Chap 12 / 273-275 Chap 12 /275-278
	12		Understanding Database-Level Security Levels	Fill in the blanks	Powerpoint	12	Chap 12 /278 -284

5	13		Using Application Security	Quiz	Powerpoint	13	Chap 12 /285-288
	14		Database Backup and Recovery Keeping Your Servers Up to Date Database Auditing and Monitoring	Flipped Classroom	Powerpoint	14	Chap 12 /289-292 Chap 12 /292-294
	15		Revision	MOOC Submission (Cisco)	Powerpoint	15	
6	16	3	<b>Secure Network Design:</b> Introduction to Secure Network Design  Performance  Availability	Quiz	Powerpoint	16	Chap 13 / 300-302 Chap 13/303-305 Chap 13/306-307
	17		Security	Quiz		17	Chap 13/308-317
	Self Study		<b>Network Device Security:</b> Switch and Router Basics	Fill in the Blanks		Self Study	Chap 14 / 321-329
	18		Network Hardening	Match Card activity on self study topic	Powerpoint	18	Chap 14 /330-340
7	19		<b>Firewalls:</b> Overview, The Evolution of Firewalls  Core Firewall Functions  Additional Firewall Capabilities  Firewall Design	Viva on video clips shown	Powerpoint, 2 Video clips (Evolution, Honeypot)	19	Chap 15 / 343-347 Chap 15 /347-349 Chap 15 /350-351 Chap 15 /351-353
	20		<b>Wireless Network Security:</b> Radio Frequency Security Basics	Quiz	Powerpoint	20	Chap 17 / 372-383
	21		Data-Link Layer Wireless Security Features, Flaws, and Threats  Wireless Vulnerabilities and Mitigations	Quiz	Powerpoint	21	Chap 17 /383-387 Chap 17 /387-390
8	22		Wireless Network Hardening Practices and Recommendations  Wireless Intrusion Detection and Prevention	Review of Research Paper	Powerpoint	22	Chap 17 /390-393 Chap 17 /393-396
	Self Study		Wireless Network Positioning and Secure Gateways	Time to climb		Self Study	Chap 17 /396
	23	4	<b>Intrusion Detection and Prevention Systems:</b> IDS Concepts  IDS Types and Detection Models	Viva on video shown	Powerpoint, Video clip on IDS	23	Chap 18 / 399-406 Chap 18 / 406-408
	24		Detection Models	Match Card	Powerpoint	24	Chap 18 / 409-413
9	25		IDS Features  IDS Deployment Considerations	Fill in the blanks	Powerpoint	25	Chap 18 / 413-418 Chap 18 / 418-420
	26		Security Information and Event Management (SIEM)	Poll, Viva	Powerpoint	26	Chap 18 / 420-425
	27		<b>Voice over IP (VoIP) and PBX Security:</b> Background	Viva on video shown	Powerpoint, Video clip	27	

			VoIP Components				Chap 19 / 428-430 Chap 19 / 430-436
10	28		VoIP Vulnerabilities and Countermeasures	Poll, Viva		28	Chap 19 / 436-445
	29		VoIP Vulnerabilities and Countermeasures		Powerpoint	29	Chap 19 / 446-455
	30		<b>PBX, TEM:</b> Telecom Expense Management	Quiz	Powerpoint	30	Chap 19 / 456-458
11	31		<b>Operating System Security Models:</b> Operating System Models  Classic Security Models	Match the model	Powerpoint	31	Chap 20 / 463-467 Chap 20 / 467-471
	32		Reference Monitor Trustworthy Computing International Standards for Operating System Security	Quiz	Powerpoint	32	Chap 20 / 471-473  Chap 20 / 473-475
	33	5	<b>Virtual Machines and Cloud Computing:</b> Virtual Machines Cloud Computing	Assignment 1 on Unit 4	Powerpoint	33	Chap 24 / 575-577 Chap 20 / 578-585
12	34		Cloud Computing	Quiz	Powerpoint	34	Chap 20 / 586-594
	35		<b>Secure Application Design:</b> Secure Development Lifecycle Application Security Practices	Match the practices	Powerpoint	35	Chap 26 / 611-613 Chap 26 / 613-615
	36		Web Application Security	Quiz	Powerpoint	36	Chap 26 / 615-625
13	37		Client Application Security	Quiz	Powerpoint	37	Chap 26 / 625-629
	38		Remote Administration Security	Poll, Viva	Powerpoint	38	Chap 26 / 629-632
	39		<b>Physical Security:</b> Physical Vulnerability Assessment  Choosing Site Location for Security	Take Home Test on Unit 5	Powerpoint	39	Chap 34 / 790-791 Chap 34 / 791-794
14	40		Securing Assets: Locks and Entry Controls  Physical Intrusion Detection	Poll	Powerpoint	40	Chap 34 / 794-796 Chap 34 / 796-797

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) Specify	Other (2) Specify	Total
75% Attendance Active Participation – (20 * 5 = 100 marks scaled to 10 marks)	1	-	Practical Submission(100 marks scaled to 20 marks), Practical Assessment #1(20 marks scaled to 10 marks), Final Practical Exam (Mini Project/Poster Presentation + Viva) – 20 marks		-	IA 1 (MCQ) – 30 Marks IA 2 (MCQ) – 30 Marks Together scaled to 15 Marks		75



			Total 20+10+20 = 50 marks			
--	--	--	---------------------------	--	--	--

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Intrusion Detection and Prevention Systems, Operating System Security Models	4	11 <sup>th</sup> week	11 <sup>th</sup> week

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	2 <sup>nd</sup>	✓			1	✓	✓		✓	✓

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	7 <sup>th</sup> Week	1, 2	1, 2	MCQs Unit 1 – 15 Marks Unit 2 – 15 Marks	IA is a Head of passing *
2 <sup>nd</sup> IA Test	10 <sup>th</sup> Week	3, 4	3, 4	MCQs Unit 3 – 15 Marks Unit 4 – 15 Marks	
Pop Quiz	9 <sup>th</sup> Week	3	3	MCQs	-
Open Book Test	-	-	-	-	-
Take Home Test	13 <sup>th</sup> Week	5	5	Descriptive	-

\* IA failures will have to appear for re-test in next semester

## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	2	Design Topology	Designing Topology, Network Addressing	2	4
2	2	Configure Routers	Creating Virtual Networks	2	4

3	1	Configure AAA Authentication	Using Router Console	1	4
4	3	Configure IP ACLs to Mitigate Attacks and IPV6 ACLs	Mitigate Attacks	3	4
5	3	Configuring a Zone-Based Policy Firewall	Enable IOS IPS	3	4
6	4	Configure IOS Intrusion Prevention System (IPS) Using the CLI	IOS Intrusion	4	4
7	5	Configure and Verify a Site-to-Site IPsec VPN Using CLI	IPsec VPN Using CLI	5	4
8	3	Configuring ASA Basic Settings and Firewall Using CLI	DHCP, Static NAT	3	4

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1-2	Encryption and Decryption Problem (Transposition problem)	Various Encryption Techniques	2	4

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1-2	Symmetric and Asymmetric key Cryptography	Symmetric and Asymmetric Cryptography	2	4

## 10 Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes
2		Industrial Visit	-
3	Test and Assessments	Class Tests – (other than IA)	
4		Mini Projects	-
5		Pop Quiz	-
6		Mobile App Based Quiz	-
7		Open Book Test	
8		Take Home Test	Yes (on unit 5)

9	Collaborative and Group Activity	Poster Presentation	Yes (as part of Practical Assessment – Various types of security and their specific applications)
10		Minute Papers	-
11		Students Seminar	Yes (Presentation on current security threats/attacks of 21-22 - Unit 1)
12		Students Debates	-
13		Panel Discussion / Mock GD	-
14		Mock Interview	-
		Research Paper Review	Yes (on Unit 3)
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes (MOOC Submission for Unit 2 – Cisco Netacad)
16		Value Added Courses	Yes
17		Lecture Capture Usage	Yes

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Ms. Prachi Mahajan  
Faculty 1 Name (Sign.)

Ms. Spruha More  
Faculty 2 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)

VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)



**Version 2021-22**
**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To gain knowledge about geographic information systems. To understand the techniques and method used in implementing PGIS based Applications.
Affective	What do you want students to think / care about?	To compare vector and raster data, the different types of Projection and Interpolation Techniques. To identify the benefits and shortcomings of PGIS.
Behavioural	What do you want students to be able to do?	To create GIS layers of maps from scratch. To develop a strategy to implement an effective GIS.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Understanding the Real world and its representation of it using GIS.	Unit 1
CO2	Understanding and managing data and Processing Systems.	Unit 2
CO3	Analyzing Spatial Referencing and Positioning	Unit 3
CO4	Analyzing Spatial Data	Unit 4
CO5	Implementing Maps	Unit 5
CO6	Constructing and Analysing maps based on particular area.	Unit 1, 2, 3, 4, 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		✓					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USIT604	PGIS	75	50	--	2	2	--	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
USIT604	PGIS	30 (Scaled to 7.5)	30 (Scaled to 7.5)	15	75	10	50	-	150

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>Div A</b>	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
<b>Div B</b>	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
<b>Div C</b>	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
<b>Div D</b>	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
<b>Div E</b>	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.

**1.g**

**Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
<b>Div A</b>	Thursday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div B</b>	Thursday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div C</b>	Thursday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div D</b>	Thursday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div E</b>	Thursday	3:00 pm to 4:00 pm	Reading Room/ MS Teams
<b>Div F</b>	-	-	-

**2.a**

**Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	A Gentle Introduction to GIS,	9	20
2	Geographic Information and Spatial Database	4	20
3	Data Management and Processing Systems	13	20
4	Spatial referencing and Positioning	8	20
5	Data Entry and Preparation	6	20
	Spatial Data Analysis		
	Data Visualization		
* Insert rows for more modules in the Course		<b>40 lectures X 60 Minutes</b>	<b>100</b>
<b>Total</b>			

**2.b**

**Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	3	DBMS	Normalization, SQL queries
2	4	Computer Graphics and Animation	Raster data, Vector data
3	2	Object Oriented Programming	Basic concepts

**2.c**

**Relevance to Future Courses**

No.	Semester	Name of the Course
1	B.Sc IT Sem 6	Project Implementation
2	M Sc IT, Sem 4	PSIT403b - Remote Sensing, PSIT4P4 - Project Implementation

**2.d****Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	GPS application in mobile phones.
2	OLA and UBER Apps
3	Google Maps and Google Earth
4	Satellite for Disaster Management
5	Smart City Planning
6	Urban Planning
7	Transportation Planning
8	Disaster Risk and Management
9	Agricultural Value Chain
10	Natural Resource Management

**3.****Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target - Apr 2022	Apr 2021	Apr 2020	Apr 2019
Course Passing % – Average of 3 Divisions	100	100	100	92.02%
Marks Obtained by Course Topper (mark/100)	100	100	100	90

	Division A		Division B		Division C		Division D		Division E	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Apr 2021	PSM, UMS	100 (Div 1)	PSM, UMS	100 (Div 2)	PSM, UMS	100 (Div 3)				
Apr 2020	SM	100	PSM	100	UMS	100	PSM	100	SM	100
Apr 2019	SM	96.15	PSM	91.07	UMS	90.74	PSM	89.55	SM	92.59

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Satellite based positioning	3	Video based teaching may help to overcome
Analysing Spatial data and error propagation	4	Need some more practical example, Course from ESRI

**4****All the Learning Resources – Books and E-Resources****4.a****List of Text Books (T – Symbol for Text Books) to be Referred by Students**

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Introduction to Geographic Information Systems	Chang Kang-tsung (Karl),	McGrawHill	4th Edition	1-5



**4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students**

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Principles of Geographic Information Systems- An Introductory Text Book	Editors: Otto Huisman and Rolf A.	The International Institute of Geoinformation Science and Earth Observation	Fourth	1-5
2	Principles of Geographic Information Systems	P.A Burrough and R.A.McDonnell	Oxford University Press	Third	1-5
3	Fundamentals of Spatial Information Systems,	R.Laurini and D. Thompson,	Academic Press		3, 4
4	Fundamentals of Geographic Information Systems	Michael N.Demers	Wiley Publications	Fourth	1
6	GIS Fundamentals: A First Text on Geographic Information Systems	Paul Bolsatd	XanEdu Publishing Inc	5th Edition	1, 3

**4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students**

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Principles of Geographic Information Systems- An Introductory Text Book	Editors: Otto Huisman and Rolf A.	The International Institute of Geoinformation Science and Earth Observation	Fourth	1, 2, 3, 4, 5
2	Essays on Geography and GIS <a href="http://www.esri.com/~media/Files/Pdfs/library/bestpractices/essays-on-geography-gis-vol7.pdf">http://www.esri.com/~media/Files/Pdfs/library/bestpractices/essays-on-geography-gis-vol7.pdf</a>		ESRI	Vol. 7	1, 2
3	The GIS Primar : An introduction to Geographic Information System	David J			1, 3
4	Digital Content	Pushpa M, Ujwala S	live.vsit.edu.in		1 - 5

**4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]**

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Journal of GIS: <a href="http://technical.cloud-journals.com/index.php/IJARSG/index">http://technical.cloud-journals.com/index.php/IJARSG/index</a>	Data Engineering: <a href="https://www.esri.com/en-us/arcgis/products/spatial-analytics-data-science/capabilities/data-engineering">https://www.esri.com/en-us/arcgis/products/spatial-analytics-data-science/capabilities/data-engineering</a>	Unit 2
2	Journal of GIS and Remote Sensing: <a href="http://www.aboutgis.com/gis-and-remote-sensing-journal-list-with-impact-factors/">http://www.aboutgis.com/gis-and-remote-sensing-journal-list-with-impact-factors/</a>	Spatial Data Analysis: <a href="https://www.esri.com/en-us/arcgis/products/spatial-analytics-data-science/capabilities/spatial-analysis">https://www.esri.com/en-us/arcgis/products/spatial-analytics-data-science/capabilities/spatial-analysis</a>	Unit 4
3	Journal of Geographic Systems: <a href="https://link.springer.com/journal/10109">https://link.springer.com/journal/10109</a>	Data Visualization: <a href="https://www.esri.com/en-us/arcgis/">https://www.esri.com/en-us/arcgis/</a>	Unit 5

		products/spatial-analytics-data-science/capabilities/visualization-exploration	
4	Transactions in GIS: <a href="https://link.springer.com/journal/10109">https://link.springer.com/journal/10109</a>	Geospatialworld: <a href="https://www.geospatialworld.net/magazine">https://www.geospatialworld.net/magazine</a>	Unit 3, 4
5	Geographical Analysis: <a href="https://onlinelibrary.wiley.com/journal/15384632#pane-01cbe741-499a-4611-874e-1061f1f4679e01">https://onlinelibrary.wiley.com/journal/15384632#pane-01cbe741-499a-4611-874e-1061f1f4679e01</a>	GIS Tutorial: <a href="https://ocw.mit.edu/resources/res-str-001-geographic-information-system-gis-tutorial">https://ocw.mit.edu/resources/res-str-001-geographic-information-system-gis-tutorial</a>	Units 1, 3, 4

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals		Y	N	
	Text	Reference	E- Book		Regular	E- Journal			
1	✓	✓	✓	✓	✓	✓	✓		Principles of Geographic Information Systems- An Introductory Text Book ,chapter1, 2 pg no 25-134
2	✓	✓	✓		✓		✓		Principles of Geographic Information Systems- An Introductory Text Book, chapter 3 pg no 135-188
3	✓	✓	✓	✓		✓	✓		Principles of Geographic Information Systems- An Introductory Text Book , chapter 4 ,5 pg no 189-341
4		✓	✓	✓		✓	✓		Principles of Geographic Information Systems- An Introductory Text Book, chapter 6 pg no 342-439
5		✓	✓				✓		Principles of Geographic Information Systems- An Introductory Text Book, chapter 7pg no 440-498

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Introduction to GIS: <a href="https://www.youtube.com/watch?v=IsiBu_4i-8l&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ">https://www.youtube.com/watch?v=IsiBu_4i-8l&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ</a>	Unit 1
2	Geographic Information: <a href="https://www.youtube.com/watch?v=jfD5fYtQ11k&amp;index=2&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ">https://www.youtube.com/watch?v=jfD5fYtQ11k&amp;index=2&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ</a>	Unit 1
3	Spatial Referencing and Positioning: <a href="https://www.youtube.com/watch?v=OQq0VG3lars&amp;index=5&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ">https://www.youtube.com/watch?v=OQq0VG3lars&amp;index=5&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ</a>	Unit 3
4	Spatial Database: <a href="https://www.youtube.com/watch?v=6JAoYI-lfkQ&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ&amp;index=6">https://www.youtube.com/watch?v=6JAoYI-lfkQ&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ&amp;index=6</a>	Unit 1
5	Data Visualization: <a href="https://www.youtube.com/watch?v=LoOTAwRpSo&amp;index=11&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ">https://www.youtube.com/watch?v=LoOTAwRpSo&amp;index=11&amp;list=PL9P1J9q3_9fOP3VGEENDHltx-E0XNZugJ</a>	Unit 5

6	Data Management: <a href="https://www.youtube.com/watch?v=Pbe8CxVDoeQ&amp;list=PL9P1J9q3_9fOP3VGEENdHltx-E0XNZugJ&amp;index=14">https://www.youtube.com/watch?v=Pbe8CxVDoeQ&amp;list=PL9P1J9q3_9fOP3VGEENdHltx-E0XNZugJ&amp;index=14</a>	Unit 2
7	Data Management: <a href="https://www.youtube.com/watch?v=nYJo1d-SWas&amp;index=15&amp;list=PL9P1J9q3_9fOP3VGEENdHltx-E0XNZugJ">https://www.youtube.com/watch?v=nYJo1d-SWas&amp;index=15&amp;list=PL9P1J9q3_9fOP3VGEENdHltx-E0XNZugJ</a>	Unit 2
8	Geographic Information Systems: <a href="http://www.ncgia.ucsb.edu/giscc/">http://www.ncgia.ucsb.edu/giscc/</a>	Unit 1,2,3,4,5

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Geographic Information Systems	Spoken Tutorials, IITB	1 week	Y

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	ISRO Course	ISRO	7 days	Y
2	Basics of Map Projections <a href="https://www.esri.in/training/main/e-learning-courses/list-of-courses">https://www.esri.in/training/main/e-learning-courses/list-of-courses</a>	ESRI	1 month	Y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	✓	Video Recordings

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	06/12/2021	31/03/2022	15

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Books/ Chapter No. / Page Nos./ Web Site
1	1	1	A Gentle Introduction to GIS: The nature of GIS: Some fundamental observations, Defining GIS	Quiz, Poll	Power point, Video Clip	1	Reference 1/1/25
	2	1	GISystems, GIScience and	Quiz, Poll,	Power point,	2	Reference

			GI Applications, Spatial data and Geoinformation		Video Clip		1/1/43
	3	1	The real world and representations of it: Models and modelling	Quiz, Poll	Power point, Video Clip	3	Reference 1/1/49
	4	1	Maps, Databases,	Quiz, Poll, Drawing maps on paper	Power point, Show Maps used in various application	4	Reference 1/1/51
	Self-study	1	Spatial databases and spatial analysis	Quiz	Video		Reference 1/1/55
2	5	1	Geographic Information and Spatial Database Models and Representations of the real world, Geographic Phenomena: Defining geographic phenomena,	Match Card, Poll	Power point, Video Clip	5	Reference 1/2/63
	6	1	Types of geographic phenomena, Geographic fields, types of geographic phenomena, Geographic fields,	Quiz, Poll	Power point, Video Clip	6	Reference 1/2/69
	7	1	Computer Representations of Geographic Information: Regular tessellations, irregular tessellations,	Flash Card, Poll,	Power point, Video Clip	7	Reference 1/2/85
	8	1	<b>Vector representations, Topology and Spatial relationships</b> , Scale and Resolution ,	Gravity Game on quizlet,	Power point, Video Clip	8	Reference 1/2/91
3	Self-study	1	Representation of Geographic fields, Representation of Geographic objects,	Match card	Power point,		Reference 1/2/124
	9	1	Organizing and Managing Spatial Data, The Temporal Dimension	Assignment 1 – 20 Marks	Power point, Video Clip	9	Reference 1/2/126
	10	2	<b>Data Management and Processing Systems, Hardware and Software Trends, Geographic Information Systems:</b> GIS Software, GIS Architecture and functionality, Spatial Data Infrastructure (SDI)	Poll,	Flipped Classroom, Power point, Video Clip	10	Reference 1/3/142
	11	2	<b>Stages of Spatial Data handling:</b> Spatial data handling and preparation, Spatial Data Storage and maintenance, Spatial Query and Analysis, Spatial Data Presentation.	Match Card, Poll	Power point, Video Clip	11	Reference 1/3/148
4	Self-study	2	<b>Database management Systems:</b> Reasons for using a DBMS, Alternatives for data management,	Graded Questions	Power point, Video Clip		Reference 1/3/158
	Self-study	2	The relational data model,	Graded Questions	Power point, Video Clip		Reference 1/3/179
	12	2	Querying the relational database.	Quiz, Poll,	Flipped Classroom, Power point	12	Reference 1/3/158
	13	2	<b>GIS and Spatial Databases:</b> Linking GIS and DBMS, Spatial database functionality.	THT - 20 Marks	Power point	13	Reference 1/3/179
5	14	3	<b>Spatial Referencing and Positioning, Spatial Referencing:</b> Reference surfaces for mapping, Coordinate Systems,	Gravity Game on quizlet	Power point, Video Clip	14	Reference 1/4/192
	15	3	Map Projections, Coordinate Transformations,	Vlabs	Power point, Video Clip	15	Reference 1/4/217

			<a href="https://demonstrations.wolfram.com/ProjectingACircleOnASphereToAnEnclosingCylinder/">https://demonstrations.wolfram.com/ProjectingACircleOnASphereToAnEnclosingCylinder/</a>				
6	16	3	<b>Satellite-based Positioning:</b> Absolute positioning,	Poll,	Power point, Video Clip	16	Reference 1/4/236
	Self-study	3	Errors in absolute positioning,	Quiz	Power point, Video Clip		Reference 1/4/246
	17	3	Relative positioning, Network positioning	Poll	Power point, Video Clip	17	Reference 1/4/254
	18	3	Code versus phase measurements, Positioning technology	Pop Quiz, Poll	Power point	18	Reference 1/4/257
7	19	3	<b>Data Entry and Preparation</b> <b>Spatial Data Input:</b> Direct spatial data capture,	Match Card, Poll	Power point	19	Reference 1/5/272
	20	3	Indirect spatial data capture, Obtaining spatial data elsewhere	Poll	Power point, Video Clip	20	Reference 1/4/274
	21	3	<b>Data Quality:</b> Accuracy and Positioning,	Flash Card, Poll	Power point, Video Clip	21	Reference 1/4/285
8	22	3	Positional accuracy, Attribute accuracy	Gravity Game on quizle	Power point, Video Clip	22	Reference 1/4/287
	23	3	Temporal accuracy, Lineage, Completeness, Logical consistency	Poll, Gamification using nearpod	Power point, Video Clip	23	Reference 1/4/300
	24	3	<b>Data Preparation:</b> Data checks and repairs,	Poll, Viva	Power point, Video Clip	24	Reference 1/5/305
9	25	3	Combining data from multiple sources	Poll, Gamification using spin wheel	Power point, Video Clip, Simulation	25	Reference 1/5/312
	Self-study	3	<b>Point Data Transformation:</b> Interpolating discrete data,	Poll	Power point,		Reference 1/5/320
	26	3	Interpolating continuous data	Vlabs Assignment - 20 Marks	Power point,	26	Reference 1/5/325
	27	4	<b>Spatial Data Analysis, Classification of analytical GIS Capabilities</b> <b>Retrieval, classification and measurement:</b> Measurement, Spatial selection queries, Classification	Quiz, Poll,	Power point, Video Clip	27	Reference 1/6/342
10	28	4	<b>Overlay functions:</b> Vector overlay operators, Raster overlay operators	Poll,	Power point, Video Clip	28	Reference 1/6/377
	29	4	<b>Neighbourhood functions:</b> Proximity computations, Computation of diffusion	Quiz, Poll	Power point, Video Clip	29	Reference 1/6/395
	30	4	Flow computation, Raster based surface analysis	Quiz, Poll, Drawing maps on paper,	Power point, Video Clip	30	Reference 1/6/403
11	31	4	<b>Analysis:</b> Network analysis, interpolation,	Match Card, Poll	Power point, Simulation	31	Reference 1/6/415
	Self-	4	terrain modelling	Quiz	Power point,		Reference

	study						1/6/415
	32	4	<b>GIS and Application models:</b> GPS, Open GIS Standards, GIS Applications and Advances	Quiz, Poll	Power point, Video Clip	32	<b>Reference</b> 1/6/424
	33	4	<b>Error Propagation in spatial data processing</b>	Flash Card, Poll,	Power point, Video Clip	33	<b>Reference</b> 1/6/429
	Self-study	4	How Errors propagate	Quiz	Power point,		<b>Reference</b> 1/6/429
	34	4	Quantifying error propagation	Video preparation on Map creation – 20 Marks	Power point	34	<b>Reference</b> 1/6/434
12	35	5	<b>Data Visualization, GIS and Maps, The Visualization Process, Visualization Strategies: Present or explore</b>	Quiz, Poll,	Power point, Video Clip, Simulation	35	<b>Reference</b> 1/7/414
	36	5	<b>The cartographic toolbox:</b> What kind of data do I have? How can I map my data?	Quiz, Poll,	Power point, Video Clip	36	<b>Reference</b> 1/7/463
	37	5	<b>How to map?</b> How to map qualitative data,	Poll,	Power point, Video Clip, Simulation	37	<b>Reference</b> 1/7/466
	38	5	How to map quantitative data,	Poll,	Power point, Video Clip, Simulation	38	<b>Reference</b> 1/7/470
13	Self-study	5	How to map the terrain elevation,	Match card	Power point,		<b>Reference</b> 1/7/477
	Self-study	5	How to map time series	Quiz	Power point,		<b>Reference</b> 1/7/485
	39	5	<b>Map Cosmetics,</b>	Match Card, Poll	Power point, Video Clip, Simulation	39	<b>Reference</b> 1/7/485
14	40	5	<b>Map Dissemination, Revision</b>	MOOCs Course (Certification) – 20 Marks	Power point, Video Clip	40	<b>Reference</b> 1/7/487

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
75% Attendance, Active Participation – 10 Marks	1	-	Practical Submission (100 Marks) scaled to 20 Marks, Pract Assessment #1 – (20 Marks) scaled to 10 Marks, Final Pract Exam (Mini-Project presentation + Viva) – 20 Marks		-	IA 1 (MCQ) - 30 Marks, IA 2 (MCQ) – 30 Marks  Scaled to 15 Marks	-	75

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Computer representation of geographic information	1	3 <sup>rd</sup> week	3 <sup>rd</sup> week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1		✓		2	2

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	7 <sup>th</sup> week	1, 2	1,2	Q1 – 10 Marks Q2 – 10 Marks	No IA Re-test
2 <sup>nd</sup> IA Test	10 <sup>th</sup> Week	3, 4	3, 4		IA is a Head of passing *
Pop Quiz	9 <sup>th</sup> Week	3	3	MS Teams	-
Open Book Test	-	-	-	-	-
Take Home Test	5 <sup>th</sup> week	2	2	MS Teams	-
Class tests / prelims	-	-	-	-	-
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester



## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Familiarizing Quantum GIS: Installation of QGIS, datasets for both Vector and Raster data, Maps.	Installation of QGIS	C01	4
2	1	Creating and Managing Vector Data: Adding vector layers, setting properties, formatting, calculating line lengths and statistics	Vector Data	C01	4
3	3	Making a Map, Working with Attributes, Importing Spreadsheets or CSV files Using Plugins, Searching and Downloading OpenStreetMap Data	Making a Map with Attributes	C03	4
4	4	Working with attributes, terrain Data	terrain Data	C04	4
5	4	Working with Projections and WMS Data	WMS Data	C04	4
6	3	Georeferencing Topo Sheets and Scanned Maps Georeferencing Aerial Imagery Digitizing Map Data	Georeferencing Topo Sheets	C03	4
7	5	Validating Map data	Validating Map	C05	4

## 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	3	Create a map of your own residential area 1. Add 5 Area (id, name) 2. Add 5 Garden (id, name) 3. Add 3 Highways (id, name) 4. Add 3 railway track (id, name, line) 5. Add 6 Railway stations( id, name, line) 6. Add 5 Restaurants (id, name) [At least 3 inside garden]	Map Creation	CO3, CO6	4
2	4	Perform the following queries on above layers 1. Add a new column Garden area and calculate the area of each garden and show the largest garden. 2. Show all the railway tracks that intersect with Highways. 3. Find all the restaurants inside a garden. 4. Find all the railway tracks that do not intersects with highway	Data Analysis	CO4	4
3	3	Create a Map using above layers Perform the following tasks	Map Creation	CO3, CO6	4

		1. Add a North Pointer 2. Add Legend and Scale 3. Add a suitable title with proper formatting. 4. Use a symbol indicating Metro station for one of the railway station.			
--	--	--	--	--	--

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	3	Create a map of railway route of CST to Panvel including the buildings adjacent to rails. Use google maps to find the layers. There should be minimum five layers. Create dataset for any two layers of the above.	Map creation and Analysis	CO3, CO4	4

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes, IITB or Heremaps
2		Industrial Visit	GIS Centre of Somaiya College
3	Test and Assessments	Class Tests – (other than IA)	-
4		Mini Projects	Yes
5		Pop Quiz	Yes
6		Mobile App Based Quiz	
7		Open Book Test	-
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	-
11		Students Seminar	-
12		Students Debates	-
13		Panel Discussion / Mock GD	-
14		Mock Interview	-
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes
16		Value Added Courses	-
17		Lecture Capture Usage	Yes

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Ms. Ujwala Sav

(Sign.)

Ms. Pushpa Mahapatro

(Sign.)

VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

---



**Consolidated Academic Administration Plan for the Course**  
**USIT606 IT Service Management (Discipline Specific Elective) – Sem. VI –**  
**B.Sc. (Information Technology)– 2021-2022 – Even Semester**  
**Ms. Mithila Chavan & Mr. Bhavesh Shah**

**Version 2021 - 22**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text-books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To gain knowledge about the basics of service management and understand the processes and functions involved in service management.
Affective	What do you want students to think / care about?	How service management can be applied to various types of businesses to meet their requirements and support business activities as mentioned under ITIL
Behavioural	What do you want students to be able to do?	To implement various ideas of how I.T. infrastructure can be setup using ITSM taking guidelines from ITSM and COBIT

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To learn the basics of ITSM, Life Cycle of ITSM and Principles of Service Strategy	Unit 1
CO2	To understand fundamentals of service design, principles, processes, and challenges faced during service design	Unit 2
CO3	To learn and understand fundamentals of service transition, principles, processes, and challenges faced during service transition	Unit 3
CO4	To learn fundamentals of service operations, principles, processes, and challenges faced during service operation	Unit 4
CO5	To gain knowledge about principles, process of Continual Service Improvement and implementation of Continual Service Improvement	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												

CO 4												
CO 5												

#### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

#### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		✓					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USIT606	I.T. Service Management	75	50		2	2		4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
USIT606	I.T. Service Management	30 (Scaled to 7.5)	30 (Scaled to 7.5)	15	75	10	50	-	150

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
Div A	3	1.50	1.50	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Div B	3	1.50	1.50	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Div C	3	1.50	1.50	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Div D	3	1.50	1.50	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Div E	3	1.50	1.50	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

#### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Course Academic Administration Plan – USIT606 I.T. Service Management – Semester VI - B.Sc. (I.T.)

Page | 2

Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vikhali  
Educational Campus, Wadala (E)  
Mumbai - 400 027



Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
<b>Div A</b>	Wednesday	03:00 p.m. to 04:00 p.m.	Reading Room / MS Teams
<b>Div B</b>	Wednesday	03:00 p.m. to 04:00 p.m.	Reading Room / MS Teams
<b>Div C</b>	Wednesday	03:00 p.m. to 04:00 p.m.	Reading Room / MS Teams
<b>Div D</b>	Wednesday	03:00 p.m. to 04:00 p.m.	Reading Room / MS Teams
<b>Div E</b>	Wednesday	03:00 p.m. to 04:00 p.m.	Reading Room / MS Teams

## 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	<b>IT Service Management, Service Strategy</b>	10 L x 60 min = 10 hours	20
2	<b>Service Design Principles, Service Design Processes</b>	07 L x 60 min = 07 hours	20
3	<b>Service Transition, Service Transition Principles, Service Transition Processes</b>	08 L x 60 min = 08 hours	20
4	<b>Service Operation, Service Operation Principles, Service Operation Processes</b>	08 L x 60 min = 08 hours	20
5	<b>Continual Service Improvement (CSI) Principles, CSI Process, Implementing CSI</b>	07 L x 60 min = 07 hours	20
<b>Total</b>		<b>40 hours</b>	<b>100%</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	B.Sc. I.T. Sem IV	Software Engineering	SDLC, Change Management
2	B.Sc. I.T. Sem V	Software Project Management	Change Management

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	M.Sc. Sem III	Data Center Technologies (Cloud Track)
2	M.Sc. Sem III	Security Measures and Countermeasures (Security Track)
3	M.Sc. Sem IV	Server Virtualization on VMWare Platform (Cloud Track)
4	M.Sc. Sem IV	Information Security Auditing (Security Track)

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Railway Kiosk
2	Airport Kiosk
3	Service Desk
4	Help Desk
5	Contact Centre / Service Centre

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis - N/A

Details	Target - Apr 2022	Apr 2021	Apr 2020	Apr 2019
Course Passing % – Average of 5 Divisions	100	100	100	98.23
Marks Obtained by Course Topper (mark/100)	98	98	95	90

	Division A		Division B		Division C		Division D/E	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Apr 2021	MC, BS	100 (Div 1)	MC, BS	100 (Div 2)	MC, BS	100 (Div 3)		
Apr 2020	N.A.	N.A.	BS	100	SC	100	BS	100
Apr 2019	BS	100	SC	94.64	BS	94.44	SC	96.30

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Tools to support CSI	V	Demonstrate the tools used to support CSI activities

## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text-Book Titles	Author/s	Publisher	Edition	Module Nos.
1	ITIL v3 Foundation Complete Certification Kit				1, 2, 3, 4, 5

### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	ITIL v3 Service Strategy		OGC/TSO		1
2	ITIL v3 Service Transition		OGC/TSO		3
3	ITIL v3 Service Operation		OGC/TSO		4
4	ITIL Continual Service Improvement		TSO		5



#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	ITIL v3 Foundation Complete Certification Kit				1, 2, 3, 4, 5
2	ITIL v3 Service Strategy		OGC/TSO		1
3	ITIL v3 Service Transition		OGC/TSO		3
4	ITIL v3 Service Operation		OGC/TSO		4
5	ITIL Continual Service Improvement		TSO		5

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VSIT is member of IIT Bombay Library]

Refer online journals subscribed in VSIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="https://www.sciencedirect.com/science/article/pii/S0268401213000078">https://www.sciencedirect.com/science/article/pii/S0268401213000078</a> - Implementing IT Service Management: A systematic literature review	<a href="https://www.cio.com/article/3228122/what-is-itsm-managing-it-to-serve-business-needs.html">https://www.cio.com/article/3228122/what-is-itsm-managing-it-to-serve-business-needs.html</a> - What is ITSM?	1
2	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0920548914000786">https://www.sciencedirect.com/science/article/abs/pii/S0920548914000786</a> - Integrating IT service management requirements into the organizational management system	<a href="https://fedtechmagazine.com/article/2011/02/itil-ideal">https://fedtechmagazine.com/article/2011/02/itil-ideal</a> - The ITIL Ideal	2
3	<a href="https://www.sciencedirect.com/science/article/pii/S0167923614001766">https://www.sciencedirect.com/science/article/pii/S0167923614001766</a> - Decision-making in IT service management: a simulation based approach	<a href="https://www.atlassian.com/itsm/service-request-management/help-desk-vs-service-desk-vs-itsm">https://www.atlassian.com/itsm/service-request-management/help-desk-vs-service-desk-vs-itsm</a> - Service Desk v/s Help Desk	4

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals				
	Text	Reference	E- Book		Regular	E- Journal	Y	N	
1	√	√	√	√		√	√		ITIL v3 Foundation Complete Certification Kit ITIL v3 Service Strategy <b>Magazine</b> – What is ITSM? <b>Journal</b> - Implementing IT Service Management: A systematic literature review
2	√		√				√		ITIL v3 Foundation Complete Certification Kit <b>Magazine</b> - The ITIL Ideal <b>Journal</b> - Integrating IT service management requirements into the organizational management system
3	√	√	√	√		√	√		ITIL v3 Foundation Complete Certification Kit ITIL v3 Service Transition

4	√	√	√			√	ITIL v3 Foundation Complete Certification Kit ITIL v3 Service Operation <b>Magazine - The Smart Service Desk Journal</b> - Decision-making in IT service management: a simulation-based approach
5	√	√	√	√		√	ITIL v3 Foundation Complete Certification Kit ITIL Continual Service Improvement

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VSIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Introduction to Service Management (ITIL Training Video) <a href="https://www.youtube.com/watch?v=kOwVBm0wv9o">https://www.youtube.com/watch?v=kOwVBm0wv9o</a>	1
2	ITIL, ITSM (Playlist having 39 videos) <a href="https://www.youtube.com/watch?v=tQgXWsrtekk&amp;list=PLQHsFjo7oXTVeF5wK1MFwGpcD11bAh7Ru">https://www.youtube.com/watch?v=tQgXWsrtekk&amp;list=PLQHsFjo7oXTVeF5wK1MFwGpcD11bAh7Ru</a>	1-5
3	ITIL Foundation Tutorial <a href="https://www.youtube.com/watch?v=HEW74OEzAew">https://www.youtube.com/watch?v=HEW74OEzAew</a>	1
4	ITIL Service Design (Playlist having 16 videos) <a href="https://www.youtube.com/watch?v=Tbw5z5c-WdA&amp;list=PLP8nt959Gr8Mo0TiKiVFFzknWFe1xxhSO">https://www.youtube.com/watch?v=Tbw5z5c-WdA&amp;list=PLP8nt959Gr8Mo0TiKiVFFzknWFe1xxhSO</a>	2
5	ITIL Service Transition (Playlist having 3 videos) <a href="https://www.youtube.com/watch?v=Ajl-WaOCOi4&amp;list=PLuV0DHP-AL4H2Idy_09OsA4GNMOo_BP3I">https://www.youtube.com/watch?v=Ajl-WaOCOi4&amp;list=PLuV0DHP-AL4H2Idy_09OsA4GNMOo_BP3I</a>	3
6	ITIL Service Operation (Playlist having 9 videos) <a href="https://www.youtube.com/watch?v=9Ci0wOafaCM&amp;list=PLuV0DHP-AL4FOFOZAluzMw7f1KYURmE_U">https://www.youtube.com/watch?v=9Ci0wOafaCM&amp;list=PLuV0DHP-AL4FOFOZAluzMw7f1KYURmE_U</a>	4
7	ITIL Continual Service Improvement (Playlist having 4 videos) <a href="https://www.youtube.com/watch?v=NgxqkOe9gE8&amp;list=PLuV0DHP-AL4GX5MyjULgo29VkhUe-AeEg">https://www.youtube.com/watch?v=NgxqkOe9gE8&amp;list=PLuV0DHP-AL4GX5MyjULgo29VkhUe-AeEg</a>	5
8	ITIL 4 Tutorial for Beginners <a href="https://www.youtube.com/watch?v=nRsVb1j9jyo">https://www.youtube.com/watch?v=nRsVb1j9jyo</a>	1
9	ITIL Training Videos <a href="https://www.youtube.com/playlist?list=PLEiEAq2VkuUJLCKGKcQrKdlaJ0o2xgeQdoa">https://www.youtube.com/playlist?list=PLEiEAq2VkuUJLCKGKcQrKdlaJ0o2xgeQdoa</a>	1-5
10	ITIL Foundation Training (Playlist having 31 videos) <a href="https://www.youtube.com/watch?v=g_dVms32mCE&amp;list=PLuV0DHP-AL4G82dDZECHNVanWIAxMAORk">https://www.youtube.com/watch?v=g_dVms32mCE&amp;list=PLuV0DHP-AL4G82dDZECHNVanWIAxMAORk</a>	1-5

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	ITIL Foundation Course <a href="https://www.cybrary.it/course/itil/">https://www.cybrary.it/course/itil/</a>	Cybrary – Daniel Reilly	4 hours	Y
2	ITIL 4 Foundation <a href="https://simplilearn.com/it-service-management/itil-foundation-training/">https://simplilearn.com/it-service-management/itil-foundation-training/</a>	Simplilearn	16 hours	Y

#### 4.h Recommended Value-Added Courses (VAC) – N.A.

Sr. No.	Name of the Value-Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
	-			

**4.i Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	✓	Videos

  
Principal •  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vasai East  
Educational Campus, Vasai (E)  
Mumbai - 401 227.



## 5. Consolidated Course Lesson Plan

	From (date/month/year)	From (date/month/year)	Total Number of Weeks
Semester Duration	06/12/2021	02/04/2022	15

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	ITSM Subject Induction and Syllabus Introduction, The service Life Cycle	Ice-breaker activity	PPT		ITIL v3 Service Strategy Chapter 1, Page 5
	2	1	What is service management? What are services? Business Process, Principles of Service management: Specialisation and Coordination, The agency principle, Encapsulation, Principles of systems		PPT, Video Clip		ITIL v3 Service Strategy Chapter 2, Page 15
	3	1	Service Strategy Principles: Value creation, Service Assets	Flashcard Quiz	PPT, Video Clip		ITIL v3 Service Strategy Chapter 3, Page 31
2	4	1	Service Provider Service Structures, Service Strategy Fundamentals		PPT, Video Clip		ITIL v3 Service Strategy Chapter 3 Page 41
	5	1	Service Strategy: Define the market, Develop the offerings,		PPT, Video Clip		ITIL v3 Service Strategy Chapter 4, Page 65
	6	1	Develop Strategic Assets, Prepare for execution		PPT, Video Clip		ITIL v3 Service Strategy Chapter 4, Page 78
3	7	1	Challenges, Critical Success factors and risks: Complexity, Coordination and Control, Preserving value	Doodling	PPT, Video Clip		ITIL v3 Service Strategy Chapter 9, Page 193
	8	1	Effectiveness in measurement, Risk	<b>Assignment 1</b> on module 1	PPT		ITIL v3 Service Strategy Chapter 9, Page 197
	9	2	Service Design: Fundamentals, Service Design Principles: Goals, Balanced Design		PPT, Video Clip		ITIL v3 Service Design Chapter 2, Page 13
4	10	2	Identifying Service requirements, Identifying and documenting business requirements and drivers		PPT, Video Clip		ITIL v3 Service Design Chapter 3, Page 27
	11	2	Design activities, Design aspects, Subsequent design activities, Design constraints	Quiz	PPT, Video Clip		ITIL v3 Service Design Chapter 3 Page 29
	12	2	Service oriented architecture, Business Service Management, Service Design Models		PPT, Video Clip		ITIL v3 Service Design Chapter 3, Page 48
5	13	2	Service Design Processes: Service Catalogue Management, Service Level Management	Mind map	PPT, Video Clip		ITIL v3 Service Design Chapter 4, Page 59

	14	2	Capacity Management, Availability Management		PPT, Video Clip		ITIL v3 Service Design Chapter 4, Page 79
	15	2	IT Service Continuity Management, Information Security Management, Supplier Management	Poll	PPT, Video Clip		ITIL v3 Service Design Chapter 4, Page 125
6	16	2	Challenges, Critical Success factors and risks: Challenges, Risks, Viva/ Students' Activity on module 2	<b>Mind map on Module 2</b>	PPT		ITIL v3 Service Design Chapter 9, Page 219
	17	3	Service Transition: Fundamentals, Service Transition Principles: Principles Supporting Service Transition, Policies for Service Transition		PPT, Video Clip		ITIL v3 Service Transition Chapter 2, Page 16
	18	3	Service Transition Processes: Transition planning and support		PPT, Video Clip		ITIL v3 Service Transition Chapter 4, Page 35
7	19	3	Change Management	Student PPT, Viva	Flipped Classroom		ITIL v3 Service Transition Chapter 4, Page 42
	20	3	Service Asset Configuration Management		PPT, Video Clip		ITIL v3 Service Transition Chapter 4, Page 65
	21	3	Service and Deployment Management		PPT, Video Clip		ITIL v3 Service Transition Chapter 4, Page 84
8	22	3	Service Validation and Testing	Minute Paper	Flipped Classroom		ITIL v3 Service Transition Chapter 4, Page 115
	23	3	Evaluation, Knowledge Management		PPT, Video Clip		ITIL v3 Service Transition Chapter 4, Page 138
	24	3	Challenges, Critical Success factors and risks: Challenges, Critical Success factors, Risks, Service Transition under difficult Conditions, Viva/ Students' Activity on module 3	<b>Pop Quiz on module 3</b>	PPT		ITIL v3 Service Transition Chapter 9, Page 205
9	25	4	Service Operation: Fundamentals, Service Operation Principles: Functions, groups, Teams, departments and division		PPT, Video Clip		ITIL v3 Service Operation Chapter 2, Page 13
	26	4	Achieving balance in service operations, Providing service		PPT, Video Clip		ITIL v3 Service Operation Chapter 3, Page 20
	27	4	Operation staff involvement in service design and service transition, Operational Health, Communication, Documentation	PBL	PPT, Video Clip		ITIL v3 Service Operation Chapter 3, Page 28
10	28	4	Service Operation Processes: Event Management	Case Study	PPT, Video Clip		ITIL v3 Service Operation Chapter 4, Page 35
	29	4	Incident Management, Problem Management		PPT, Video Clip		ITIL v3 Service Operation Chapter 4, Page 46
	30	4	Request fulfilment, Access Management		PPT, Video Clip		ITIL v3 Service Operation Chapter 4, Page 56

11	31	4	Operational activities of processes covered in other lifecycle phases		PPT, Video Clip		ITIL v3 Service Operation Chapter 4, Page 72
	32	4	Challenges, Critical Success factors and risks: Challenges, Critical Success factors, Risks, Viva/Students' Activity on module 4	<b>THT</b> Activity on module 4	PPT		ITIL v3 Service Operation Chapter 9, Page 171
	33	5	Continual Service Improvement (CSI) Principles: CSI Approach, CSI and organizational change, Ownership, CSI register		PPT, Video Clip		ITIL v3 Continual Service Improvement Chapter 3, Page 27
12	34	5	External and Internal drivers, Service level management, Knowledge management		PPT, Video Clip		ITIL v3 Continual Service Improvement Chapter 3, Page 28
	35	5	The Deming cycle, Service Measurement, IT governance, CSI Process: The seven-step improvement process		PPT, Video Clip		ITIL v3 Continual Service Improvement Chapter 3, Page 29
	36	5	CSI Methods and Techniques: Methods and techniques, Assessments, benchmarking, Service Measurement, Metrics, Return on Investment	Quiz, Interview	PPT, Video Clip		ITIL v3 Continual Service Improvement Chapter 5, Page 95
13	37	5	Service reporting, CSI and other service management processes, Organising for CSI: Organisational development, Functions, roles		PPT, Video Clip		ITIL v3 Continual Service Improvement Chapter 4, Page 65
	38	5	Customer Engagement, Responsibility model - RACI, Competence and training		PPT, Video Clip		ITIL v3 Continual Service Improvement Chapter 6, Page 129
	39	5	Technology considerations: Tools to support CSI activities, Implementing CSI: Critical Considerations for implementing CSI, The start		PPT, Video Clip		ITIL v3 Continual Service Improvement Chapter 7, Page 145
14	40	5	Governance, CSI and organisational change, Communication Strategy and Plan, Viva/Students' Activity on module 5	<b>Mobile App Based Quiz</b> on module 5	PPT		ITIL v3 Continual Service Improvement Chapter 8, Page 156

#### 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) Specify	Other (2) specify	Total
75% Attendance, Active Participation – 10 Marks	1	-	Practical Submission (100 Marks) scaled to 20 Marks Pract Assessment #1 – 10 Marks Final Pract Exam (Mini-Project presentation + Viva) – 20 Marks		-	IA 1 (MCQ) - 30 Marks, IA 2 (MCQ) – 30 Marks  Scaled to 15 Marks	-	75

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Service Strategy & Service Design	CO 1	3 <sup>rd</sup> week	3 <sup>rd</sup> week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (√)			Module No.	Based on #			Question Type (√)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	5	√			1 & 2	1	1	1	4	1

\* Tick (√) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ); Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	6 <sup>th</sup> week	1 & 2	CO 1, 2	30 MCQ's – 01 marks each	No IA Re-test
2 <sup>nd</sup> IA Test	12 <sup>th</sup> week	3 & 4	CO 3, 4	30 MCQ's – 01 marks each	IA is a Head of passing *
Pop Quiz	8 <sup>th</sup> week	3	CO 3	25 MCQ's – 01 marks each	
Open Book Test	-	-	-	-	-
Take Home Test	11 <sup>th</sup> week	4	CO 4	25 MCQ's – 01 marks each	-
Mobile Based App Quiz	14 <sup>th</sup> week	1	CO 1	10 MCQ's – 01 marks each	
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Introduction to Mobile Application Development using MIT AppInventor	Creating a Project, Designer View and Blocks View, Introducing Palette Components like User Interface, Layout,		4



			Animation and other components, and Methods for execution		
2		Drawing Canvas Application	Understand how canvas application can be made		4
3		Sharing App	Create components for sharing images, videos, and files with other applications		4
4		Accelerometer Sensor	Create an app that shares images using accelerometer		4

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Chatting App	Create an application for chatting using cloud database		4
2		Pedometer Sensor	Create a step counting app		4

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Voice-based Search App	Use AI and speech recognition for giving voice-based commands		4
2		Tinkercad Arduino, Thingspeak and MIT App Inventor	Understand how embedded systems, cloud and mobile application interact with each other		4

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	√ (Consultant or CA with experience in ISO or Risk Assessment Auditing)
2		Industrial Visit	-
3	Test and Assessments	Class Tests – (other than IA)	-
4		Mini Projects	√
5		Pop Quiz	√
6		Mobile App Based Quiz	√
7		Open Book Test	-
8		Take Home Test	√
9	Collaborative and Group Activity	Poster Presentation	-
10		Minute Papers	√
11		Students Seminar	√
12		Students Debates	-

13		Panel Discussion / Mock GD	-
14		Mock Interview	-
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	-
16		Value Added Courses	-
17		Lecture Capture Usage	√

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1 Name (Sign.)  
Ms. Mithila Chavan

Faculty 2 Name (Sign.)  
Mr. Bhavesh Shah

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)

VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)



**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All textbooks, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Understand methodology that uses hidden patterns in the data to develop a model that provides increased insight.
Affective	What do you want students to think / care about?	Knowing which attributes have the strongest impact on the model also provides insight into what actions can be taken to reduce the chance of churn.
Behavioural	What do you want students to be able to do?	Students will be able to do predictions based on the given data.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To learn active forms of support for decision making, based on the systematic adoption of mathematical models	Unit 1
CO2	Understand the phases of a data mining process and their objectives and the activities of data preparation	Unit 2
CO3	To understand classification methods like classification trees, Bayesian methods, etc.	Unit 3
CO4	To know applications of data mining to relational marketing, models for salesforce planning, supply chain optimization and analytical methods for performance assessment.	Unit 4
CO5	To know what knowledge management is and how IT helps in building knowledge management.	Unit 5
CO6	To know the basics of expert systems and its applications	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S											
CO 2	M	S										
CO 3			S	M								
CO 4				S								
CO 5	S	M										

### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	S			
CO 2		S		
CO 3		S		
CO 4			S	
CO 5			S	

### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		✓					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USIT603	BI	75	50	--	2	2	--	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Average of IA1 and IA2					
USIT603	BI	30 (Scaled to 7.5)	30 (Scaled to 7.5)	15	75	10	50		150

### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
Div A	3.00	1.50	1.50	NA	NA	N.A.	N.A.	N.A.	N.A.
Div B	3.00	1.50	NA	NA	NA	N.A.	N.A.	N.A.	N.A.
Div C	3.00	1.50	NA	NA	NA	N.A.	N.A.	N.A.	N.A.

<b>Div D</b>	3.00	1.50	NA	NA	NA	N.A.	N.A.	N.A.	N.A.
<b>Div E</b>	3.00	1.50	NA	NA	NA	N.A.	N.A.	N.A.	N.A.

### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
<b>Div A</b>	Wednesday	3:00 p.m. – 4:00 p.m.	Reading Room/ MS Teams
<b>Div B</b>	Wednesday	3:00 p.m. – 4:00 p.m.	Reading Room/ MS Teams
<b>Div C</b>	Wednesday	3:00 p.m. – 4:00 p.m.	Reading Room/ MS Teams
<b>Div D</b>	Wednesday	3:00 p.m. – 4:00 p.m.	Reading Room/ MS Teams
<b>Div E</b>	Wednesday	3:00 p.m. – 4:00 p.m.	Reading Room/ MS Teams

### 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Business intelligence & Decision support systems	07 + 01	20
2	Mathematical models for decision making, Data mining, Data preparation	08	20
3	Classification & Clustering	13	20
4	Business intelligence applications, Marketing models, Logistic and production models, Data envelopment analysis	05	20
5	Knowledge Management, Artificial Intelligence and Expert Systems	06	20
* Insert rows for more modules in the Course <b>Total</b>		<b>40 lectures X 60 Minutes</b>	<b>100</b>

### 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	1	Discrete Mathematics	Binary Trees, Graphs
2	3	Data Structures	Arrays, List, String, Tree, Graphs
3	4	COST	ALL
4	5	Artificial Intelligence	ALL

### 2.c Relevance to Future Courses

No.	Semester	Name of the Course
-----	----------	--------------------

1	MSc IT Sem I	Data Science
2	MSc IT Sem II	Big Data Analytics

## 2.d

### Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Software Applications used in Banks
2	Using BI in Sales industry, like Flipkart or Amazon etc.
3	Using BI in Business Decision Making like Performance Management etc
4	Using BI in Reporting of staffing, expenses, sales etc
5	BI using a range of data analytical tools to manage the data and represent in visualization tools
6	Business Decision Making/Aviation Industry/ E-commerce, etc.

## 3.

### Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Apr 2022	Apr 2021	Apr 2020	Apr 2019
Course Passing % – Average of 3 Divisions	100	100	100	92.58
Marks Obtained by Course Topper (mark/100)	100	100	100	76 / 100

	Division A / 1		Division B / 2		Division C / 3		Division D		Division E	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Apr 2021	HT / SS	100	HT / SS	100	HT / SS	100	NA	NA	NA	NA
Apr 2020	HT	100	SS	100	HT	100	SS	100	HT	100
Apr 2019	HT	94.53	SS	91.07	HT	92.59	SS	94.03	HT	90.74

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Classification	III	Practice more problems
Clustering	III	Practice more problems

## 4

### All the Learning Resources – Books and E-Resources

### 4.a

#### List of Textbooks (T – Symbol for Text Books) to be Referred by Students

Sr. No	Textbook Titles	Author/s	Publisher	Edition	Module Nos.
1	Business Intelligence: Data Mining and Optimization for Decision Making	Carlo Vercellis	Wiley	First	1-4
2	Decision support and Business Intelligence Systems	Efraim Turban, Ramesh Sharda, Dursun Delen	Pearson	Ninth	5

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Fundamental of Business Intelligence	Grossmann W, Rinderle-Ma	Springer	First	ALL
2					

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author /s	Publisher	Edition	Module Nos.
1	<a href="https://radacad.com/online-book-power-bi-from-rookie-to-rockstar">https://radacad.com/online-book-power-bi-from-rookie-to-rockstar</a>	Reza Rad	RADACAD	3	1-5
2	Artificial Intelligence by Example: Develop machine intelligence from scratch	Denis Rothman	Packt	1	1-5

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	International Journal of Business Intelligence and Data Mining <a href="https://www.inderscience.com/jhome.php?jcode=ijbidm">https://www.inderscience.com/jhome.php?jcode=ijbidm</a>	Name – Data Mining Link - <a href="http://analytics-magazine.org/data-mining/">http://analytics-magazine.org/data-mining/</a>	1-5
2	Name – Principles of data mining Link - <a href="https://link.springer.com/article/10.2165/00002018-200730070-00010">https://link.springer.com/article/10.2165/00002018-200730070-00010</a>	Name – Mining Magazine Link - <a href="https://www.miningmagazine.com/innovation/news/1257536/mining">https://www.miningmagazine.com/innovation/news/1257536/mining</a>	1-5

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP & give details

Module No.	Category (Please Tick Mark) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals				
	Text	Reference	E- Book		Regular	E- Journal	Y	N	
1	√						Y		Business Intelligence: Data Mining and Optimization for Decision Making, Chapter 1 and 2 , Pg No 3 – Pg No 43
2	√		√				Y		Business Intelligence: Data Mining and Optimization for Decision Making, Chapter 4, 5 and 6, Pg No 65 – Pg No 111
3	√						Y		Business Intelligence: Data Mining and Optimization for Decision Making, Chapter 10 and 12 , Pg

								No 221 – Pg No 275 and Pg No 293 – Pg No 315
4	√						Y	Business Intelligence: Data Mining and Optimization for Decision Making, Chapter 13,14 and 15,, Pg No 319 – Pg No 397
5	√						Y	Decision support and Business Intelligence Systems, Chapter 11 and 12, Pg No 471 – Pg No 506 and Pg No 532 – Pg No 568

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content (live.vsit.edu.in)	1-5
2	<a href="https://www.youtube.com/watch?v=U-hUnxuaw7w&amp;list=PLPN-43XehstOe0CxcXaYeLTFpgD2IluP">https://www.youtube.com/watch?v=U-hUnxuaw7w&amp;list=PLPN-43XehstOe0CxcXaYeLTFpgD2IluP</a>	1 and 2
3	<a href="https://www.youtube.com/watch?v=aig1dqwmdZU">https://www.youtube.com/watch?v=aig1dqwmdZU</a>	1
4	<a href="https://nptel.ac.in/courses/110106050/">https://nptel.ac.in/courses/110106050/</a>	1 and 2
5	<a href="https://nptel.ac.in/courses/110107095/">https://nptel.ac.in/courses/110107095/</a>	3

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.upgrad.com/blog/business-analytics-free-online-course/">https://www.upgrad.com/blog/business-analytics-free-online-course/</a>	By Upgrade	12 weeks	Y
2	<a href="https://www.udemy.com/course/training-in-r-for-business-analytics-a-beginners-guide/">https://www.udemy.com/course/training-in-r-for-business-analytics-a-beginners-guide/</a>	By Analytics17, Udemy	4 weeks	Y

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value-Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	-	-	-	-
2	-	-	-	-

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
√	√	√	√	√	Videos, Merit Batch Questions, Remedial Batch Questions



## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	06/12/2021	31/03/2022	12

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Subject Induction	Student discussion	PPT	1	
	2	1	Effective and timely decisions, Data, information and knowledge	Quiz	PPT, Video Lecture	2	Chapter 1/Pg No 3-7/ BI
	3	1	The role of mathematical models, Business intelligence architectures	Diagram	PPT, Group Discussion	3	Chapter 1/Pg No 8-17/ BI
	SS	1	Ethics and business intelligence (SS)	THT	PPT		Chapter 1/Pg No 17-18/ BI
2	4	1	Cycle of a business intelligence analysis, Enabling factors in business intelligence projects, Development of a business intelligence system	Diagram, One-line Questions	PPT	4	Chapter 1/Pg No 8-17/ BI
	5	1	Definition of system, Representation of the decision-making process, Decision making process	Diagram	PPT, Video Lecture	5	Chapter 2/Pg No 21-34/ BI
	6	1	Types of Decision, Approaches to the decision-making process, Evolution of information systems	Features	PPT	6	Chapter 2/Pg No 35-36/ BI
3	7	1	Definition of decision support system,	Define terms	PPT	7	Chapter 2/Pg No 36-40/ BI
	8	1	Development of a decision support system	Diagram	PPT, Group Discussion	8	Chapter 2/Pg No 36-40/ BI
	9	2	Structure of mathematical models, Development of a model	Poll	PPT	9	Chapter 4/Pg No 65-67/ BI
	SS	2	Data mining, classical statistics and OLAP, Applications of data mining		PPT, Flipped Classroom		Chapter 5/Pg No 77-84/ BI
4	10	2	Classes of models	Fill in the blanks	PPT	10	Chapter 4/Pg No 67-75/ BI
	11	2	Representation of input data, Data mining process	Problem Solving	PPT	11	Chapter 5/Pg No 77-84/ BI

	12	2	Analysis methodologies	Poll	PPT	12	Chapter 5/Pg No 90-94/ BI
5	13	2	Data validation, Incomplete data	Quiz	PPT, Video Lecture	13	Chapter 6/Pg No 100-111/ BI
	14	2	Data transformation, Feature extraction	Problem Solving	PPT	14	Chapter 6/Pg No 95-99/ BI
	15	2	Data reduction	Problem Solving	PPT	15	Chapter 6/Pg No 99-100/ BI
6	16	2	Principal Component Analysis, Data Discretization	Problem Solving	PPT, Case Study Problems	16	Chapter 6/Pg No 104-111/ BI
	17	3	Classification problems, Taxonomy of classification models	Viva	PPT	17	Chapter 10 / Pg No 221-226/ BI
	18	3	Evaluation of classification models	Quiz	PPT, Real life examples discussion	18	Chapter 10 / Pg No 226-236/ BI
7	19	3	Classification trees	Case Study Submission	PPT, Case study	19	Chapter 6/Pg No 236-251/ BI
	20	3	Bayesian methods	Quiz	PPT, Real time case	20	Chapter 10 / Pg No 251-257/ BI
	21	3	Logistic regression	Viva	PPT, Real time case	21	Chapter 10 / Pg No 257-258/ BI
8	22	3	Neural networks	Viva	PPT, Real time case	22	Chapter 10 / Pg No 259-262/ BI
	23	3	Multi-layer Feed Forward NN	Viva	PPT, Real time case	23	Chapter 10 / Pg No 259-262/ BI
	24	3	Support vector machines	Problem Solving	PPT Real time case	24	Chapter 10 / Pg No 262-275/ BI
9	25	3	Clustering methods, Taxonomy of clustering methods	Quiz	PPT	25	Chapter 12/ Pg No 293-302/ BI
	26	3	Partition methods	Differentiation	PPT	26	Chapter 12/ Pg No 302-307/ BI

	27	3	Hierarchical methods	Viva	PPT Real time case	27	Chapter 12/ Pg No 307-312/ BI
10	28	3	Evaluation of clustering models	Comparative study	PPT	28	Chapter 12/ Pg No 312-315/ BI
	29	4	Relational marketing	Case Study Submission	PPT, Case study	29	Chapter 13/ Pg No 320-327/ BI
	30	4	An environment for relational marketing analysis, Lifetime value, Effect of latency in predictive models, Web mining	Quiz	PPT	30	Chapter 13/ Pg No 327-338/ BI
11	31	4	Salesforce management		PPT, Real time case	31	Chapter 13/ Pg No 338-360/ BI
	32	4	Supply chain optimization	Viva	PPT	32	Chapter 14/ Pg No 362-363/ BI
	33	4	Optimization models for logistics planning		PPT	33	Chapter 14/ Pg No 364-369/ BI
12	34	4	Revenue management systems, Data envelopment analysis	Case study Submission	PPT, Real time case	34	Chapter 14/ Pg No 370-376/ BI
	SS	4	Efficiency measures	MCQ	PPT		<b>Chapter 15/ Pg No 386-386/ B</b>
	SS	4	Efficient frontier		PPT		Chapter 15/ Pg No 386-386/ BI
	SS	4	The CCR model, Identification of good operating practices	Assignment	PPT, Video Lecture		Chapter 15/ Pg No 386-389/ BI
	35	5	Introduction to Knowledge Management		PPT	35	Chapter 11/ Pg No 474-481/DS & BI
	36	5	Organizational Learning and Transformation		PPT	36	Chapter 11/ Pg No 474-481/DS & BI
13	37	5	Knowledge Management Activities, Approaches to Knowledge Management	Differentiate	PPT, Video Lecture	37	Chapter 11/ Pg No 481-484/DS & BI

	38	5	Information Technology (IT) In Knowledge Management		PPT	38	Chapter 11/ Pg No 485-493/DS & BI
	39	5	Knowledge Management Systems Implementation, Roles of People in Knowledge Management	Viva	PPT	39	Chapter 11/ Pg No 485-497/DS & BI
	SS	5	Concepts and Definitions of Artificial Intelligence		PPT, Group Discussion		Chapter 11/ Pg No 498-509/DS & BI
14	SS	5	Artificial Intelligence Versus Natural Intelligence, Basic Concepts of Expert Systems	Advantage s of Expert Systems	PPT		Chapter 11/ Pg No 498-535/DS & BI
	SS	5	Applications of Expert Systems, Structure of Expert Systems	Application s of ES	PPT		Chapter 12/ Pg No 532-535/DS & BI
	40	5	Knowledge Engineering, Development of Expert Systems	Diagram	PPT	40	Chapter 12/ Pg No 537-545/DS & BI

6.

#### Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assign-ments	Tutorial	Lab / Practical Performanc e	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
75% Attendance, Active Participation – 10 Marks	1	-	Practical Submission (100 Marks) scaled to 20 Marks, Practical Assessment #1 – (20 Marks) scaled to 10 Marks, Final Practical Exam (Mini-Project presentation + Viva) – 20 Marks		-	IA 1 (MCQ) - 30 Marks, IA 2 (MCQ) – 30 Marks Scaled to 15 Marks	-	75

7.

#### Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
----------------	--------------------------------------	--------	----------------------------------	--------------------

1	Mathematical models for decision making, Data mining, Data preparation	2	4th Week	5th Week
2	Business intelligence applications, Marketing models, Logistic and production models, Data envelopment analysis	4	10th Week	11th Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Textbook	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	4	✓			2	✓			3	1
2	10	✓			4	✓			3	1

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	8 <sup>th</sup> week	1,2	1,2	Q1 – 10 Marks Q2 – 10 Marks	No IA Re-test IA is a Head of passing *
2 <sup>nd</sup> IA Test	-10 <sup>th</sup> Week	3,4	3,4		
Pop Quiz	3 <sup>rd</sup> Week	3	1,4	MS Teams	-
Open Book Test	9 <sup>th</sup> Week	-	3	-	-
Take Home Test	12 <sup>th</sup> Week	2	5	MS Teams	-
Class tests / prelims					-

\* IA failures will have to appear for re-test in next semester

## 9.a

### Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Import the legacy data from different sources such as (Excel, SqlServer, Oracle etc.) and load in the target system. (You can download sample database such as Adventureworks, Northwind, foodmart et	Data Collection	C01	4

2	1	Perform Data Wrangling	Data Preparation	C01	4
3	2	Principal Component Analysis	Data Preparation	C02	4
4	2	Visualizations	Data Visualizations	C02	4
5	3	In Microsoft Excel create the Pivot table and Pivot Chart.	Data Analysis	C03	4
6	3	Apply what – if Analysis for data visualization. Design and generate necessary reports based on the data	Data Prediction	C03	4
7	4	Perform the data classification using classification algorithm	Data Classification	C04	4
8	4	Perform the data clustering using clustering algorithm.	Data Grouping	C04	4
9	4	Perform the Linear regression on the given data	Prediction & Forecasting	C04	4
10	4	Perform the logistic regression on the given data	Classification and Prediction	C04	4

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Different case studies given to students to perform Principal Component Analysis	Data Preparation	CO2	4
2	2	Different case studies given to students to perform Visualization	Data Visualization	CO2	4

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
-	-	-	-	-	-

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes
2		Industrial Visit	-
3		Class Tests – (other than IA)	Yes

4	Test and Assessments	Mini Projects	-
5		Pop Quiz	Yes
6		Mobile App Based Quiz	-
7		Open Book Test	Yes
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	-
11		Students Seminar	-
12		Students Debates	-
13		Panel Discussion / Mock GD	-
14		Mock Interview	-
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes
16		Value Added Courses	Yes
17		Lecture Capture Usage	-

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Ms. Sanjeela S

Mr. Hrishikesh T

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)

VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)



**Consolidated Academic Administration Plan for the Course**  
**USIT503 Advanced Web Programming – Sem. V –**  
**B.Sc. (Information Technology)– 2021-2022 – Odd Semester**  
**Ms. Ketaki Ghawali, Dr.Sarika Chouhan**

The academic resources available in VSIT –

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To know C# language basics & .NET frame work fundamentals & develop web applications using ASP.NET.
Affective	What do you want students to think / care about?	To understand webform fundamentals & development of ASP.NET applications using styles , themes, ADO.NET ,XML & AJAX.
Behavioural	What do you want students to be able to do?	To develop data driven web applications.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To create console applications using the basic concepts, expressions, various conditional statements and loops of C#.	Unit 1
CO2	To use and implement ASP.NET Form Fundamentals to design webforms.	Unit 2
CO3	To learn and implement the concepts of exception handling & State management.	Unit 3
CO4	To implement database drivers, and design web applications using ADO.NET.	Unit 4
CO5	To develop web applications using XML & AJAX.	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												



CO 4												
CO 5												

#### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

#### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		√					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USIT503	Advanced Mobile Programming	75	50	--	2	2	--	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Average of IA1 and IA2					
USIT503	Advanced Web Programming	20	20	Scaled to 15+10 Class Participation	75	25	50	-	150

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	3	1.5	--	--	--	--	--	--	--
<b>B</b>	3	1.5	--	--	--	--	--	--	--
<b>C</b>	3	1.5	--	--	--	--	--	--	--
<b>D</b>	3	1.5	--	--	--	--	--	--	--
<b>E</b>	3	1.5	--	--	--	--	--	--	--

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Wednesday	03:00 -4:00	MS Teams
B	Wednesday	03:00 -4:00	MS Teams
C	Wednesday	03:00 -4:00	MS Teams
D	Wednesday	03:00 -4:00	MS Teams
E	Wednesday	03:00 -4:00	MS Teams

**2.a Syllabus : Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introducing .NET , C# Languages ,Types ,Objects & Name spaces	08	20
2	Webform Fundamentals & various Webform Controls	10	20
3	Error handling ,Logging & tracing state management ,Style themes & Master pages	08	20
4	ADO.NET Fundamentals ,Data Binding	08	20
5	XML , Security Fundamentals , ASP.NET AJAX	06	20
* Insert rows for more modules in the Course		<b>Total</b>	<b>40 lectures x 60 minutes</b>
			<b>100</b>

**2.b Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	II	Web Programming	Web Server, HTML tags
2	II	OOP with C++	Classes and Objects
3	III	DBMS	Insert, update, delete, select queries
4	IV	Core Java	Looping and Conditional Statements

**2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	V & VI	Project

2	M.Sc – Sem II	Microservice Architecture
---	---------------	---------------------------

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Shopping Portal
2	College Websites
3	Student Admission Websites
4	StackOverflow
5	GoDaddy.com
6	Marketwatch.com

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Dec 2021	Dec 2020	Dec 2019	Dec 2018
Course Passing % – Average of 5 Divisions	100%	100%	88.04%	86.9%
Marks Obtained by Course Topper ( mark/100)	100	100	81	88

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	KAG/SC	100%	KAG/SC	100%	KAG/SC	100%
Dec 2019	SC	94.55%	KAG	89.83%	SC	82.54%
Dec 2018	SC	87.30%	KAG	77.19%	SC	92.72%
	Division D		Division E			
Year	Initials of Teacher	% Result	Initials of Teacher	% Result		
Dec 2020	KAG/SC	100%	KAG/SC	100%		
Dec 2019	KAG	88.52%	KAG	85.71%		
Dec 2018	KAG	85.24%	KAG	90%		

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
ADO.NET	4	Give more problem statements to solve

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Beginning with ASP.NET 4.5 in C#	Mathew MacDonald	APress	2012	1.2.3.4.5

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	C# 2015	Murach	Murach	Third	3,4
2	Murach's ASP .NET 4.6	Anne Boehm	SPD	Sixth	5
3	ASP.NET 4.0 Programming	J.Ranjilal	Tata Mcgrow	2011	4
4	Programming ASP .NET	D.Esposite	Preamtech	2011	3
5	Beginning Visual C#	K.Watson	Wrox	2011	1

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Beginning with ASP.NET 4.5 in C#	Mathew MacDonald	APress	2012	1.2.3.4.5
2	C# 2015	Murach	Murach	Third	3,4
3	Murach's ASP .NET 4.6	Anne Boehm	SPD	Sixth	5
4	ASP.NET 4.0 Programming	J.Ranjilal	Tata Mcgrow	2011	4
5	Programming ASP .NET	D.Esposite	Preamtech	2011	3
6	Beginning Visual C#	K.Watson	Wrox	2011	1

##### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	.Net Developer's Journal – dotnet.sys-con.com	Visual Studio Magazine - visualstudiomagazine.com	II, III, IV
2	Live Journal - aspdotnet.livejournal.com	MSDN Magazine - msdn.microsoft.com	III, IV ,V
3	Rock Paper Web Technical Journal by AccuTech International - rockpaperweb.com/category/asp.net	Web Development Tutorials - dotnetcurry.com	II, V

**4.e**

**Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Module No.	Category ( Please Tick Mark ) - √						Available In VIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1	√	√	√				√		Beginning ASP.NET 4.5 in c# Beginning Visual C# -Chp 1 to 10
2	√	√	√				√		Beginning ASP.NET 4.5 in C# - 4,5,6,9  Murach Chapter 4 to 6 -10,11,13
3	√	√	√				√		Beginning ASP.Net4.5 in C# -7, 8 ,12 Murach -5 ,8, 9,11
4	√	√	√				√		Beginning ASP.Net4.5 in C# - 14,15,16 Murach -14,15
5	√	√	√				√		Beginning ASP.Net4.5 in C# - 18, 19 ,25 Murach -21 ,18

**4.f**

**Web Links for Online Notes/YouTube/VIT Digital Content/VIT Lecture Capture/NPTEL Videos**

Students can view lectures by VIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="#">VREFER</a>	1-5
2	<a href="http://www.w3schools.com/cs/index.php">www.w3schools.com/cs/index.php</a>	1-5
3	<a href="http://www.asp.net-tutorials.com">www.asp.net-tutorials.com</a>	1-5
4	<a href="http://www.msd.microsoft.com">www.msd.microsoft.com</a>	1-5
5	<a href="http://www.tutorialspoint.com/asp.net/index.htm">www.tutorialspoint.com/asp.net/index.htm</a>	1-5
6	<a href="http://www.mva.microsoft.com">www.mva.microsoft.com</a>	1-5
7	<b>Insert Update Delete and View With Sql Server Database</b> <a href="https://www.youtube.com/watch?v=CtDE9gTwmyo">https://www.youtube.com/watch?v=CtDE9gTwmyo</a>	4
8	<b>Master Pages</b> <a href="https://www.youtube.com/watch?v=IzIwwDPC7pk">https://www.youtube.com/watch?v=IzIwwDPC7pk</a>	3

**4.g****Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.**

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://mva.microsoft.com/en-us/training-courses/asp-net.core-beginner">mva.microsoft.com/en-us/training-courses/asp-net.core-beginner</a>	Microsoft virtual academy	3hrs	Y
2	<a href="https://www.udemy.com/course/csharp-tutorial-for-beginners/">https://www.udemy.com/course/csharp-tutorial-for-beginners/</a>	Udemy	6hrs	Y

**4.h****Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
-	-	-	-	-

**4.i****Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	✓	

**5.****Consolidated Course Lesson Plan**

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	21/06/2021		14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Induction Introducing .NET: The .NET Framework, C#, VB, and the .NET Languages	Quiz, Poll	Powerpoint, Video clip		Ch1
	2	1	The Common Language Runtime, The .NET Class Library, The C# Language: C# Language Basics, Variables, Variable Operations	Quiz	Powerpoint, Simulation		Ch2

	3	1	Object-Based Manipulation, Methods Types, Objects, and Namespaces: The Basics About Classes	Quiz, Video Lesson	Powerpoint, Simulation		Ch2, 3
2	4	1	Building a Basic Class, Value Types and Reference Types	Fill in the blanks, Quiz	Powerpoint, Simulation		Ch3
	5	1	Understanding Namespaces and Assemblies	Quiz	Powerpoint, Simulation		Ch3
	6	1	Advanced Class Programming.	Quiz	Powerpoint, Simulation		Ch3
	Self – Study		Data Types, Conditional Logic, Loops				
3	7	1	Advanced Class Programming.	THT, Unit Test	Powerpoint, Simulation		Ch3
	8	1	Viva/ Students' Activity on Unit 1	Viva			
	9	2	Web Form Fundamentals: Adding Event Handlers, Understanding the Anatomy of an ASP.NET Application	Quiz	Powerpoint, Simulation		Ch4, Ch5
4	10	2	Introducing Server Controls, Using the Page Class,	Quiz	Powerpoint, Simulation		Ch5
	11	2	Using Application Events,	Quiz	Powerpoint, Simulation		Ch5
	12	2	Form Controls: Stepping Up to Web Controls, Web Control Classes, List Controls, Table Controls	Quiz	Powerpoint, Simulation		Ch6
5	13	2	Web Control Events and AutoPostBack, Validation, Understanding Validation	Quiz	Powerpoint, Simulation		Ch6
	14	2	Using the Validation Controls, Rich Controls, The Calendar, The AdRotator,	Quiz	Powerpoint, Simulation		Ch9,10





	Self – Study		Stylesheets and its types				Ch12
	27	4	ADO.NET Fundamentals: Configuring Your Database, Understanding the Data Provider Model,	Quiz	Powerpoint, Simulation		Ch14
10	28	4	Using Direct Data Access, Using Disconnected Data Access.	Puzzle	Powerpoint, Simulation		Ch14
	29	4	Data Binding: Introducing Data Binding, Using Single-Value Data Binding,	Identify Errors	Powerpoint, Simulation		Ch15
	30	4	Using Repeated-Value Data Binding,	Quiz, Poll	Powerpoint, Simulation		Ch15
11	31	4	Working with Data Source Controls,	Quiz	Powerpoint, Simulation		Ch15
	32	4	The Data Controls: The GridView, Formatting the GridView, Selecting a GridView Row, Editing with the GridView, Sorting and Paging the GridView	Identify the output	Powerpoint, Simulation		Ch16
	33	4	Using GridView Templates,	Quiz	Powerpoint, Simulation		Ch16
12	34	4	DetailsView, FormView, Viva/ Students' Activity on Unit 4	Unit Test 4	Powerpoint, Simulation		Ch16
	Self – Study		Understanding SQL Basics, Understanding Databases				Ch 14
	35	5	XML: XML Explained, The XML Classes, XML Validation	Quiz	Powerpoint, Simulation		Ch18
	36	5	XML Display and Transforms	Quiz	Powerpoint, Simulation		Ch18
13	37	5	Security Fundamentals: Authentication and Authorization, Forms Authentication,	Spin the wheel	Powerpoint, Simulation		Ch19

	38	5	Windows Authentication. ASP.NET AJAX: Understanding Ajax, Using Partial Refreshes,	Find the Errors	Powerpoint, Simulation		<b>Ch19, 25</b>
	39	5	Implementing Timed Refreshes, Working with the ASP.NET AJAX Control Toolkit.	Quiz	Powerpoint, Simulation		<b>Ch25</b>
14	40	5	Viva/ Students' Activity on Unit 5	Unit Test 5			
	Self – Study		Understanding Security Requirements, Using Progress Notification				<b>Ch25</b>

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assign-ments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
75% Attendance, Active participation – 10 marks	1	-	Practical Submission (100 Marks) scaled to 20 Marks, Practical Assessment #1 – 10 Marks, Final Practical Exam ( Case Study Presentation + Viva) – 20 Marks		-	IA 1 (Descriptive) – 20 Marks, IA 2(MCQ + Viva) – 20 Marks Scaled to 15 Marks	-	75

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Introduction to .NET, C# Language, Types, Objects, Namespaces	CO 1	Week 2	Week 3
2	Web Form Fundamentals & Various Web Form Controls	CO 2	Week 4	Week 5
3	Error Handling, Logging & Tracing, State Management, Styles, Themes & Master Pages	CO 3	Week 6	Week 7

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓	✓		1	1	6	1	✓	✓
2	5	✓	✓		2	1			✓	✓
3	8	✓			3	1	2,5	2	✓	

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	8 <sup>th</sup> Week	1,2	1,2	IA 1 (Descriptive 20M) (Scaled to 7.5)	No IA Re-test
2 <sup>nd</sup> IA Test	12 <sup>th</sup> Week	3,4	3,4	IA 2 (MCQ 20M) (Scaled to 7.5)	IA is a Head of passing *
Pop Quiz					
Open Book Test	7 <sup>th</sup> week	3	3	2 questions – 10 marks	
Take Home Test	3 <sup>rd</sup> week	1	1	10 MCQ's – 01 marks each	
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Basic C# Programs	Basic	CO1	4
2	1	Looping statements, static functions	Basic	CO1	4
3	1	Implementation of constructors and properties	OOP	CO1	4
4	1	Implementing interfaces, delegates and events	OOP, Event Handling	CO1	4
5	2	ASP.NET Server Controls, Calendar Control	Web Controls	CO2	4
6	2	AdRotator Control, User Controls, State Management	Web server Controls, User Controls, State Management	CO2, CO3	4
7	4	Working with database	ADO.NET	CO4	4
8	5	Working with AJAX & XML	AJAX/XML	CO5	4

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	2	Write a program to create & use DLL to convert a given string to upper case & lower case	DLL, namespaces	CO2	4

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	2,3,4	Develop a website to implement any real time scenario	Web Form Controls, Navigation Controls, Validation Controls, master page, ADO.NET	2,3,4	4

## 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	<b>Guest Lecture</b> / Workshops	Guest lecture on Building Microservices with ASP.NET Core
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Yes, Unit Test after every Unit
4		Mini Projects	Yes, Week 12, All Modules
5		Pop Quiz	
6		Mobile App Based Quiz	
7		Open Book Test	Yes, Week 10, Module 4
8		Take Home Test	Yes, Week 12, Module 5
9	Collaborative and Group Activity	Poster Presentation	Yes, Week 4, Modules 1-3
10		Minute Papers	Yes
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes, Module 1
16		Value Added Courses	
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1 Name (Sign.)

Dr Sarika Chouhan

Faculty 2 Name (Sign.)

Ms. Ketaki Ghawali

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)

VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All textbooks, reference books, e-books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a**

**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Python can be used to develop prototypes quickly because it is easy to work. Students can gain knowledge about Python programming syntax and semantics to write programs and use concepts such as IPython architecture for Python. Make use of data Science Tools and plot data using appropriate Python visualization libraries
Affective	What do you want students to think / care about?	Understand the fundamentals of Procedural Oriented and object-oriented programming in python. Its different features like Simplicity, understand its Huge Community, Libraries and Frameworks.
Behavioural	What do you want students to be able to do?	Build small applications that have front end as Python and backend as MySQL, Use of Packages and Frameworks. Students can use Python to build productivity tools, games as it is easy to use, powerful, versatile, making it a great choice for beginners.

**1.b**

**Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To develop small applications using basic concepts, values & expressions, various control & conditional statements and Looping.	Unit 1
CO2	To use and implement built-in functions and User defined Functions along with different string methods.	Unit 2
CO3	To use new datatypes such as Lists and dictionaries, Implement use of regular expression, use of date and time module	Unit 3
CO4	To become Proficient in using IPython architecture for Data Science Applications	Unit 4
CO5	To gain Knowledge about use of various data science tools such as data manipulation with Pandas and data visualization with Matplotlib	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		√					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USDS102	Introduction to Programming	75	50	--	2	2	--	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Average of IA1 and IA2					
USDS102	Introduction to Programming	30	30	Scaled to 15 + 10 class participation	75	25	50	-	150

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
FYDS	4.00	2.00	2.00	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Course Academic Administration Plan – USIT301 Python Programming – Semester III- B.Sc. (Information Technology) Page | 2

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
FYDS	Tuesday	3:00 pm to 4:00 pm	Reading Room

## 2.a Syllabus : Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction to Python Language	9	20
2	Functions , Operators, Arrays, Strings	13	20
3	Lists , Tuples and Dictionaries , Regular Expressions, Date and Time module	9	20
4	Ipython, Introduction to NumPy	8	20
5	Data Manipulation with Pandas, Visualization with Matplotlib	9	20
* Insert rows for more modules in the Course		<b>Total</b>	<b>48</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
	NA	NA	NA

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	Sem II	R Programming
2	Sem III	Data Structures and Algorithms using Python
3	Sem III	Data Warehousing and Mining
4	Sem IV	Big Data
5	Sem V	Machine Learning
6	Sem VI	Business Forecasting

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
-----	---



1	Youtube video sharing service is largely written in Python.
2	Google makes extensive use of Python in its search engines.
3	Dropbox storage service codes both its server and desktop client service mostly in Python.
4	Bit Torrent peer to peer file sharing system started with Python Program.
5	NASA use Python for scientific Programming tasks
6	Netflix and yelp both uses Python in their software infrastructures

### 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target – Dec 2022	Dec 2021	Dec 2020	Dec 2019	Dec 2018	Dec 2017
Course Passing % – Average of 3 Divisions	95 %	100%	NA	NA	NA	NA
Marks Obtained by Course Topper (Marks/100)	80	90	NA	NA	NA	NA

	Division A		Division B		Division C		Division D		Division E		Division F	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2021	RP	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Regular Expression	3	More Practice with Examples

### 4 All the Learning Resources – Books and E-Resources

#### 4.a List of Textbooks (T – Symbol for Textbooks) to be Referred by Students

Sr. No	Textbook Titles	Author/s	Publisher	Edition	Module Nos.
	NA	NA	NA	NA	NA

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Programming through Python	M. T. Savaliya, R.K Maurya, G.M Magar	Staredu Solutions	1	1,2,3
2	Python Data Science Handbook	Jake VanderPlas	O'Reilly Media	1	4,5

3	Let Us Python	Y. Kanetkar,	BPB	1	1,2,3
4	Programming in Python 3	Mark Summerfield	Pearson Education	2	1,2
5	Learning Python	Lutz M	O'Reilly Shroff	5	1,2,3
6	Beginning Python	Magnus Lie Hetland	Apress	2	1,2,3
7	Star Python	Star Certification	Star Certification	1	-

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Think Python	Allen Downey.	O'Reilly	1st	1
2	An Introduction to Computer Science using Python 3	Jason Montojo, Jennifer Campbell, Paul Gries	SPD	1st	2
3	Python GUI Programming Cookbook	Burkhard A. Meier	Packt	3rd	5
4	Python Cookbook	Alex Martelli	O'Reilly	2nd	1-5

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<b>RaspyLab:</b> A Low-Cost Remote Laboratory to Learn Programming and Physical Computing Through Python and Raspberry Pi <a href="https://ieeexplore.ieee.org/document/9755990">https://ieeexplore.ieee.org/document/9755990</a>	<b>Code Magazines-</b> <a href="https://www.codemag.com/Magazine/ByCategory/Python">https://www.codemag.com/Magazine/ByCategory/Python</a>	1
2	<b>Python Testing with pytest: Fixtures and Coverage -</b> <a href="https://www.linuxjournal.com/content/python-testing-pytest-fixtures-and-coverage">https://www.linuxjournal.com/content/python-testing-pytest-fixtures-and-coverage</a>	<b>Python Weekly-</b> <a href="http://www.pythonweekly.com/">http://www.pythonweekly.com/</a>	2
3	<b>Python Standards-</b> <a href="https://docs.python.org/3/library/">https://docs.python.org/3/library/</a>	<b>The MagPi-</b> <a href="https://www.raspberrypi.org/magpi/best-reads-python-programming/">https://www.raspberrypi.org/magpi/best-reads-python-programming/</a>	3
4	<b>NDLI-</b> <a href="http://ndli.iitkgp.ac.in/document/OEYweXpIRmlkYURkM3JkbUdtKy9UWHZrazNPQ1I5bE1hZ2VFb0ZsenNpd2RvVys5NUowVDA5ZXRPQkVjK2YxdnNSczBmUUU4OW1aMjlyNHg2b">http://ndli.iitkgp.ac.in/document/OEYweXpIRmlkYURkM3JkbUdtKy9UWHZrazNPQ1I5bE1hZ2VFb0ZsenNpd2RvVys5NUowVDA5ZXRPQkVjK2YxdnNSczBmUUU4OW1aMjlyNHg2b</a>	<b>Easier python paths with pathlib</b>	4,5

FRrbkE9PQ	<a href="https://www.linuxjournal.com/content/easier-python-paths-pathlib">https://www.linuxjournal.com/content/easier-python-paths-pathlib</a>
-----------	---

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category (Please Tick Mark) - √						Available In VSIT Library?		Details of the Resource (i.e., Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1		√	√		√		Y		Let us Python chap 1 pg 1- 7, chap 2 pg 9-15, chap 5 pg 55-65, chap 7 pg 81-88,
2		√	√	√		√	Y		Let us Python chap 3 pg 17- 37, chap 4 pg 39-52, chap 13 pg 157-173
3		√	√	√	√		Y		Let us Python chap 8 pg 91- 105, chap 9 pg 109-119, chap 11 pg 131-141
4		√				√	Y		Python Data Science Handbook chap 1 pg 1- 31, chap 2 pg 33-96
5		√			√		Y		Python Data Science Handbook chap 3 pg 97- 215, chap 4 pg 217-330

#### 4.f Web Links for Online Notes/YouTube/VIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	V-Refer	1-5
2	<a href="http://www.python.org">www.python.org</a>	2
3	<a href="http://www.learnpython.com">www.learnpython.com</a>	3
4	<a href="https://Python-course.eu">https://Python-course.eu</a>	5
5	<a href="https://developers.google.com/edu/python/">https://developers.google.com/edu/python/</a>	1-4
6	<a href="https://realpython.com/python">https://realpython.com/python</a>	5

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Spoken Tutorial – Python	IIT, Bombay	25 Hrs.	Y
2	The Joy of Computing using Python By Prof. Sudarshan Iyengar, Prof. Yayati Gupta <a href="https://onlinecourses.nptel.ac.in/noc21_cs75/preview">https://onlinecourses.nptel.ac.in/noc21_cs75/preview</a>	IIT Ropar	12 weeks	Y

--	--	--	--	--

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value-Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Data Science with Python	ExcelR	45 hrs	y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

#### 5. Consolidated Course Lesson Plan

From (date/month/year)			To (date/month/year)			Total Number of Weeks	
June 2022			Sep 2022			12 weeks	
Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	<b>Subject Induction Introduction to Python</b> <b>Language:</b> Overview, Features of Python, Execution of a Python Program, Innards of Python,	Quiz	Power Point, Video clips	1	Ref 1/1/3
1	2	1	Frozen Binaries, Python Interpreter, Comparison of Python with C and Java, Installing Python, Writing & Executing, IDLE		Power Point	2	Ref 1/4/3
1	3	1	<b>Data Types, Variables And Other Basic Elements:</b> Comments, Docstrings, Data types- Numeric,	Poll	Power Point	3	Ref 3/19/3

	SS	1	Compound, Boolean, Dictionary, Sets, Mapping, Basic Elements of Python, Variables		Power Point	SS	Ref 3/19/3
1	4	1	<b>Input and Output Operations:</b> Input Function, Output Statements, Command Line Arguments	Puzzle game	Power Point Video clips	4	Ref 7/81/3
2	5	1	<b>Control Statements:</b> Control Statements- Loop Statement		Power Point	5	Ref 6/69/3
2	6	1	The else Suite,	Finding the syntax game	Power Point	6	Ref 5/55/3
2	7	1	break Statement, continue Statement, pass statement,	Predicting the output	Power Point	7	Ref 6/73/3
	SS	1	Assert Statement, return Statement		Power Point	SS	Ref 6/74/3
2	8	1	<b>Viva/ Students' Activity on Unit I</b>		<b>Written Assignment 1</b>	8	
3	9	1	<b>Viva/ Students' Activity on Unit I</b>		<b>Written Assignment 1</b>	9	
3	10	2	<b>Functions:</b> Defining & Calling a Function, Returning Results, Returning Multiple Values		Power Point,	10	Ref 13 /157/3
3	11	2	Built-in Functions, Parameters and Arguments,		Power Point, Video clips	11	Ref 13 /160/3
3	12	2	Recursive Functions,	PBL	Power Point,	12	Ref 13 /167/3
	SS	2	Anonymous or Lambda Functions		Power Point	SS	Ref 13 /173/3
4	13	2	<b>Operators:</b> Arithmetic operators, Assignment operators, Unary minus operator, Relational operators	Crossword	Power Point, Video clips	13	Ref 3/20/3
4	14	2	Logical operators, Bitwise operators, Membership operators, Identity operators		Power Point	14	Ref 3/30/3

4	15	2	Precedence of Operators, Associativity of Operators	Viva	Power Point	15	Ref 3/40/3
4	16	2	<b>Arrays:</b> Creating Arrays, Indexing and Slicing, Basic Array Operations,		Power Point, Flipped classroom	16	Ref 3/45/3
5	17	2	Arrays Processing, Mathematical Operations on Array, Aliasing Arrays	Viva	Power Point	17	Ref 3/45/3
5	18	2	Slicing and Indexing in NumPy Arrays, Basic Slicing, Advanced Indexing, Dimensions of Arrays, Attributes of an Array	PBL	Power Point	18	Ref 3/45/3
5	19	2	<b>Strings:</b> Creating Strings, Functions of Strings, Working with Strings, Length of a String, Indexing & Slicing, Repeating & Concatenation of Strings, Checking Membership, Comparing Strings,	POP Quiz	Power Point	19	Ref 4/39/3
5	20	2	Removing Spaces, Finding Substrings, Counting Substrings, Strings are Immutable, Splitting and Joining Strings, Changing Case, Checking Starting and Ending of a String,	Spin the Wheel game	Power Point, Video clips	20	Ref 4/39/3
	SS	2	Sorting & Searching in the Strings, Formatting the Strings, Working with Characters		Power Point	SS	Ref 4/39/3
6	21	2	<b>Viva/ Students' Activity on Unit II</b>		<b>Written Assignment 2</b>	21	
6	22	2	<b>Viva/ Students' Activity on Unit II</b>		<b>Written Assignment 2</b>	22	
6	23	3	<b>Lists and Tuples:</b> Lists, List Functions and Methods, List Operations, Tuples	Pop Quiz	Power Point	23	Ref 8/91/3
6	24	3	<b>Dictionaries:</b> Creating a Dictionary, Operators in Dictionary, Dictionary Methods		Power Point, Video clips	24	Ref 11/131/3

7	25	3	Using for Loop with Dictionaries, Operations on Dictionaries, Ordered Dictionaries	Viva	Power Point	25	Ref 11/131/3
7	26	3	<b>Regular Expressions:</b> What is a Regular Expression? Sequence Characters in Regular Expressions, Quantifiers in Regular Expressions, Special Characters in Regular Expressions,	v-lab	Power Point, <a href="https://python-iitk.vlabs.ac.in/">https://python-iitk.vlabs.ac.in/</a>	26	Ref 11/131/3
7	27	3	Using Regular Expression on Files, Retrieving Information from an HTML File		Power Point,	27	Ref 11/131/3
7	28	3	<b>Date and Time in Python:</b> Date and Time, Date and Time Now, Combining Date and Time,		Power Point	28	Ref 11/131/3
8	29	3	Formatting Dates and Times, Finding Durations using "timedelta",	Pop Quiz	Power Point	29	Ref 11/131/3
	SS	3	Comparing Two Dates, Sorting Dates, Stopping Execution Temporarily,		Power Point,	SS	Ref 11/131/3
	SS	3	Knowing the Time taken by a Program, Working with Calendar Module		Power Point,	SS	Ref 11/131/3
8	30	3	<b>Viva/ Students' Activity on Unit III</b>		Quiz	30	
8	31	3	<b>Viva/ Students' Activity on Unit III</b>		Quiz	31	
8	32	4	<b>IPython:</b> Beyond Normal Python, Help and Documentation in IPython,		Power Point	32	Ref1/1/2
9	33	4	Keyboard Shortcuts in the IPython Shell, IPython Magic Commands,	Spin the wheel game	Power Point Video Clips,	33	Ref1/8/2
9	34	4	Input and Output History, IPython and Shell Commands, Errors and Debugging, Profiling and Timing Code		Power Point,	34	Ref 1/13/2

9	35	4	<b>Introduction to NumPy:</b> Understanding Data Types in Python, The Basics of NumPy Arrays,		Power Point,	35	Ref 2/33/2
9	36	4	Computation on NumPy Arrays: Universal Functions, Aggregations: Min, Max, and Everything In Between	Testing the logic of the student through decode game	Power Point	36	Ref 2/50/2
	SS	4	Computation on Arrays: Broadcasting, Comparisons,		Power Point, Video clip	SS	Ref 2/63/2
	SS	4	Masks, and Boolean Logic, Fancy Indexing,		Power Point	SS	Ref 2/70/2
10	37	4	Sorting Arrays, Structured Data: NumPy's Structured Arrays		Power Point	37	Ref 2/85/2
10	38	4	<b>Viva/ Students' Activity on Unit IV</b>	<b>OBT</b>		<b>38</b>	
10	39	4	<b>Viva/ Students' Activity on Unit IV</b>	<b>OBT</b>		39	
10	40	5	<b>Data Manipulation with Pandas:</b> Introducing Pandas Objects, Data Indexing and Selection,		Power Point, Video clip	40	Ref 3/97/2
11	41	5	Operating on Data in Pandas, Handling Missing Data, Hierarchical Indexing	PBL	Power Point,	41	Ref 3/115/2
11	42	5	Combining Datasets: Concat and Append, Combining Datasets: Merge and Join, Aggregation and Grouping, Pivot Tables,		Power Point,	42	Ref 3/141/2
	SS	5	Vectorized String Operations,		Power Point	SS	Ref 3/178/2
11	43	5	Working with Time Series. High-Performance Pandas: eval() and query()		Power Point	43	Ref 3/188/2
11	44	5	<b>Visualization with Matplotlib:</b> Simple Line Plots, Simple Scatter	THA	Power Point,	44	Ref 4/217/2



			Plots, Visualizing Errors, Density and Contour Plots, Histograms, Binnings, and Density				
12	45	5	Customizing Plot Legends, Customizing Colorbars, Multiple Subplots, Text and Annotation, Customizing Ticks, Customizing Matplotlib:		Power Point,	45	Ref 4/249/2
12	46	5	Configurations and Stylesheets, Three-Dimensional Plotting in Matplotlib, Geographic Data with Basemap,	Mini Project	Power Point, Video clip	46	Ref 4/282/2
	SS	5	Visualization with Seaborn		Power Point	SS	Ref 4/311/2
12	47	5	<b>Viva/ Students' Activity on Unit V</b>	Group Presentation		47	
12	48	5	<b>Viva/ Students' Activity on Unit V</b>	Group Presentation		48	

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (2) specify	Total
75% Attendance, Active Participation – 10 Marks	2	-	40 +5 Viva	5		IA 1 (Descriptive) - 30 Marks, IA 2 (MCQ) – 30 Marks Scaled to 15 Marks	75

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Conditional and control Statements	1	Week 3	Week 4
2	Operators, Strings, Functions	2	Week 6	Week 7

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (v)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	√	√		1	1	R1& R3	-	4	4
2	6	√	√		2	1	R1& R3	-	4	4

\* Tick (v) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

**8.**

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	7 <sup>th</sup> week	1-2	1-2	Q1-15 Marks Q2-15 Marks	No IA Re-test
2 <sup>nd</sup> IA Test	12 <sup>th</sup> week	3,5	3,5		IA is a Head of passing *
POP Quiz	4 <sup>th</sup> week	2	2		
Open Book Test	12 <sup>th</sup> week	4	4	4 questions -20 Marks	

\* IA failures will have to appear for re-test in next semester

**9.a**

### Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Introduction to Python Language a. Write a Python program to explore various data types including numeric types, Boolean types and compound types. b. Write a Python program to perform Input and Output Operations. c. Write a Python program to demonstrate looping in python and use of break statement and continue statement	Input/Output Loops	1	4
2	2	Functions a. Write a Python program to define and use functions b. Write a Python program to demonstrate the use of Built-in Functions. c. Write a Python Program to implement Lambda Functions.	Functions	2	4
3	2,3	Arrays and String	Arrays, data types, strings		4

		a. Write a Python Program to implement arrays for storing homogeneous data items. Apply indexing and slicing operations to access elements of array. b. Write a Python Program to demonstrate operations and properties of string data types. c. Write a Python Program implement and demonstrate the use of Membership operators and Identity operators d. Write a Python Program to implement Numpy for handling multidimensional arrays.		2, 3	
4	3	List and Tuples a. Write a Python Program to create list, apply various functions to it. b. Write a Python Program to demonstrate concept of aliasing and cloning. c. Write a Python Program to implement tuples for storing data. Verify the immutability property on tuples.	List, Tuples	3	4
5	3	Dictionaries and Sets a. Write a Python Program to implement Dictionary and operations on dictionaries b. Write a Python Program to create sets and various operations on it.	Dictionary	3	4
6	3	Regular Expressions a. Write a Python Program for implementing various methods for searching and replacing operations. b. Write a Python Program for Retrieving Information from an HTML File	Regular Expressions	3	4
7	3	Date and Time a. Write a Python Program to compare dates and implement calendar module	Date and Time	3	4
8	4	Using IPython a. Using IPython and Jupyter notebook b. Debugging errors in IPython.	IPython	4	4
9	4	Using the NumPy Package a. Programs using NumPy Package and different functions available in it.	NumPy	4	4
10	5	Using the pandas package a. Programs using Pandas Package and different functions available in it.	pandas	5	4

## 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	3	A) Write a Python script to sort (ascending and descending) a dictionary by value. A) Write a program that takes two lists and returns True if they have at least one common member.	List, Dictionary	3	4

**9.c****Practical Activities – PBL Experiments**

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
9	5	Case Study On Finding Number of days in a Month	Loops, data types	C03	4

  
Principal •  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027.

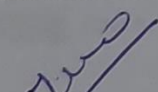


# 10. Beyond Syllabus Activities for Gap Mitigation

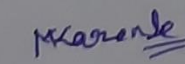
No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes
2		Industrial Visit	-
3	Test and Assessments	Class Tests – (other than IA)	Yes
4		Mini Projects	Yes
5		Pop Quiz	Yes
6		Mobile App Based Quiz	-
7		Open Book Test	Yes
8	Collaborative and Group Activity	Take Home Test	Yes
9		Poster Presentation	-
10		Minute Papers	-
11		Students Seminar	-
12		Students Debates	-
13	Co-curricular Courses	Panel Discussion / Mock GD	Yes
14		Mock Interview	-
15		MOOC-NPTEL/Coursera Videos	-
16		Value Added Courses	Yes
17		Lecture Capture Usage	-

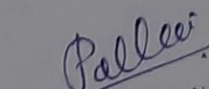
\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.


Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

  
Janhavi Vadke

Faculty 1 Name (Sign.)

  
Milind Karkand  
External Industry Mentor (Sign.)

  
Dr. Pallavi Tawde  
VSIT Cluster Mentor Name (Sign.)  
Course Academic Administration Plan – USIT301 Python Programming – Semester III- B.Sc. (Information Technology) Page | 15

  
Asst. Prof. Asit Rampurawala  
Head of Dept. (Sign.)

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To understand the imperative implementation of algorithm and use concepts such as variables, conditional and iterative statements, execution of functions and convert algorithms into programs.
Affective	What do you want students to think / care about?	To understand the fundamentals of C language, including array, pointers, functions, structures and unions.
Behavioural	What do you want students to be able to do?	To use programming concepts and choose among alternative ways to express the programming knowledge.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To understand the logic building by using pseudo code, algorithm and flowchart	1
CO2	To learn and demonstrate the use different Operators, Expressions, Data Input and output functions in C programming.	2
CO3	To apply conditional, looping statement and functions in various problems.	3

CO4	To understand how to use Arrays and different storage classes	4
CO5	To demonstrate the concept of pointers and implement various real-life applications by using structure and union	5
CO6	To develop confidence for self-education and skills required for computer language.	1-5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		✓					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USIT101	Imperative Programming	75	50	--	2	2	--	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Average of IA1 and IA2					
USIT101	Imperative Programming	20	20	Scaled to 15 +10 class participation	75	25	50		150

### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	3.00	1.5	1.5	N.A.	N.A.	--	--	--	--
<b>B</b>	3.00	1.5	1.5	N.A.	N.A.	--	--	--	--
<b>C</b>	3.00	1.5	1.5	N.A.	N.A.	--	--	--	--
<b>D</b>	3.00	1.5	1.5	N.A.	N.A.	--	--	--	--
<b>E</b>	3.00	1.5	1.5	N.A.	N.A.	--	--	--	--
<b>F</b>	3.00	1.5	1.5	N.A.	N.A.	--	--	--	--

### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Monday	3.00 pm – 4.00 pm	MS Teams
B	Monday	3.00 pm – 4.00 pm	MS Teams
C	Monday	3.00 pm – 4.00 pm	MS Teams
D	Monday	3.00 pm – 4.00 pm	MS Teams
E	Monday	3.00 pm – 4.00 pm	MS Teams
F	Monday	3.00 pm – 4.00 pm	MS Teams



**2.a Syllabus : Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction to Programming languages, Fundamentals of C.	08	20
2	Operators and Expressions, Data Input and output	06	20
3	Conditional Statements and Loops, Functions	08	20
4	Program structure, Preprocessor, Arrays	08	20
5	Pointers , Structures and Unions:	10	20
* Insert rows for more modules in the Course <b>Total</b>		<b>40</b>	<b>100</b>

**2.b Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	HSC	Mathematics and Statistics, I.T.	Mathematics and Logic

**2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	II	Object Oriented Programming, Web Programming
2	III	Python Programming
3	IV	Core Java
4	V	Advanced Web Programming, Enterprise java, Project
5	VI	Project

**2.d****Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	Embedded c app
2	Management Information System
3	Customer Management System
4	Computational Platforms
5	GUI based applications
6	Games Application
7	System software Development like operating system and Compiler.

**3.****Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target - Dec 2021	Dec 2020	Dec 2019	Dec 2018	Dec 2017	Dec 2016
Course Passing % – Average of 6 Divisions	100%	98.29	92.88	94%	83.28%	80%
Marks Obtained by Course Topper ( mark/100)	100	100	100	95	94	98

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	AAJ, ACJ	96.61	AAJ, ACJ	96.55	AAJ, ACJ	98.33
Dec 2019	ACJ	94.33	AAJ	93.22	ACJ	96.43
Dec 2018	NDP	98.14	NDP	93.44	ACJ	89.28
Dec 2017	SBB	93.33	ACJ	85.19	ACJ	80.65
Dec 2016	NDP	88.14	SBB	91.07	BVK	81.03
	Division D		Division E		Division F	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	AAJ, ACJ	100	AAJ, ACJ	-	AAJ, ACJ	100
Dec 2019	AAJ	91.23	ACJ	86.96	AR	94.87
Dec 2018	ACJ	89.83	SK	96.29	SK	100
Dec 2017	ACJ	79.03	VPD	81.82	VPD	77.78
Dec 2016	ACJ	70.91	SBB	66.13	MS	86.67

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Arrays	IV	More Programs to be solved using the concept of arrays
Pointers	V	Animated Videos to be used as teaching aids
Structure and Union	V	Real time Entity should be explained and converted into Structure and Union

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Programming with C	Byron Gottfried	Tata McGRAW-Hill	2nd	Unit I to V

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Programming Logic and Design	Joyce Farell	Cengage Learning	8th	Unit I
2	“C” Programming”	Brian W. Kernighan and Denis M. Ritchie.	PHI	2nd	Unit II to V
3	Let us C	Yashwant P. Kanetkar,	BPB publication	Let us C	Unit II to V
4	C for beginners	Madhusudan Mothe	X-Team Series	1st	Unit II and III
5	21st Century C	Ben Klemens	OReilly	1st	Unit IV and V

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Programming with C <a href="http://bit.ly/programming_with_C">http://bit.ly/programming_with_C</a>	Byron Gottfried	Tata McGRAW-Hill	2nd	Unit I to V
2	Programming in Ansi C <a href="http://bit.ly/Prog_C_Balgurusamy">http://bit.ly/Prog_C_Balgurusamy</a>	Balgurusamy	Tata McGRAW-Hill	3rd	Unit I to V
3	Programming Logic and Design	Joyce Farell	Cengage Learning	8th	Unit I

**4.d****Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]**

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	STMJournal – stmjournals.com	Codemag.com/magazines	Unit II to V
2	C Language Translation – jcit.iecc.com	The magpi - <a href="https://www.raspberrypi.org/magpi/issues/essentials-c-v1/">https://www.raspberrypi.org/magpi/issues/essentials-c-v1/</a>	Unit II to V

**4.e****Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals				
	Text	Reference	E- Book		Regular	E- Journal	Y	N	
1		√	√				√		Programming Logic and Design (Chapter -1 and 2)
2	√	√	√	√			√		Programming with C (Chapter – 3 and 4)
3	√	√	√	√			√		Programming with C (Chapter – 6 and 7)
4	√	√	√	√			√		Programming with C (Chapter – 8 and 9)
5	√	√	√	√			√		Programming with C (Chapter – 10 and 11)

**4.f****Web Links for Online Notes/YouTube/VIT Digital Content/VIT Lecture Capture/NPTEL Videos**

Students can view lectures by VIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content will be made available on V refer.	1-5
2	<a href="http://www.cprogramming.com">www.cprogramming.com</a>	2-5
3	<a href="http://www.c-language.com">www.c-language.com</a>	2-5
4	<a href="https://learn-c.org/">https://learn-c.org/</a>	2-5

5	<a href="http://en.cppreference.com/w/c">http://en.cppreference.com/w/c</a>	2-5
<b>4.g</b>	<b>Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.</b>	

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="http://www.spokentutorial.org">www.spokentutorial.org</a>	IIT, Bombay	20 Lectures	Y

#### **4.h Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Embedded C	VSIT	1 week	Y

#### **4.i Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	In Process	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Videos E books Practice quiz

### **5. Consolidated Course Lesson Plan**

			From (date/month/year)	To (date/month/year)			Total Number of Weeks
Semester Duration			July 2021	Oct 2021			13
Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site

					Discussion, any other)		
1	1	1	Induction- Subject Introduction, Types of Programming languages,	Poll	Power Point		4b(1) Ch-1
	2	1	History, Features , Simple program logic,	Quiz, Poll	Power Point, Video clip		4b(1) Ch-1
	3	1	pseudo code statements	Quiz	Power Point, Group Discussion		4b(1) Ch-1
2	4	1	flowchart symbols and drawing flowchart	Student has to draw flowcharts on different problems	Power Point		4b(1) Ch-1
	<b>SS</b>	1	Applications of imperative Programming	-	-		4b(1) Ch-1
	5	1	sentinel value to end a program , programming and user environments	Poll, Viva	Power Point		4a Ch-2
	6	1	Fundamentals: Structure of a program. Compilation and Execution of a Program Character Set, identifiers, and keywords	Poll, Viva	Power Point		4a Ch-2
3	7	1	data types, constants, variables ,arrays, declarations, expressions, statements, Variable definition,	puzzle	Power Point		4a Ch-2
	8	1	Symbolic Constant (BSA- Open Book Test)	Unit Test	Power Point		4a Ch-2
	9	2	Operators and Expressions: Arithmetic operators, unary operators, Relational Operator, the conditional operator	Quiz	Power Point, Code block		4a (Ch-3)

4	10	2	Logical Operator, the conditional operator	class test	Power Point		4a (Ch-3)
	<b>SS</b>	2	Assignment Operator				4a (Ch-3)
	11	2	Data Input and output: Single character input and output, entering input data,	Quiz	Power Point, Code block		4a (Ch-3)
	12	2	scanf function, printf function	Viva	Flipped Classroom		4a (Ch-3)
5	13	2	Library Functions, Gets and puts function (BSA -Class test ),	-	Power Point		4a (Ch-3)
	14	<b>2</b>	Difference between various input and output functions	Unit test	Power Point		4a (Ch-3)
	15	3	UNIT III: Conditional Statements and Loops: Decision Making Within a Program, Conditions, Relational Operators	-	Power Point,		4a (Ch-7)
	16	3	Logical Connectives If Statement, If-Else Statement, Switch statement	THT	Power Point, Code block		4a (Ch-7)
6	17	3	Loops: while Loop, Do While	Spin the wheel Game	Power Point		4a (Ch-7)
	<b>SS</b>	3	Difference between conditional and looping statement	-	-		4a (Ch-7)
	18	3	Functions: Overview, defining a function, accessing a function.	Quiz	Power Point		4a (Ch-7)
7	19	3	Passing arguments to a function, specifying argument data types, function prototypes	POP Quiz	Power Point, Code Block		4a (Ch-7)

	20	3	Functions: Overview, defining a function, accessing a function.	-	Power Point	-	4a (Ch-7)
	SS	3	Passing arguments to a function, specifying argument data types, function prototypes	-	-		4a (Ch-7)
	21	3	standard library of c functions , prototype of a function: function parameter list, return type, function call, block structure	Think Pair and Share	Power Point/ Open Book questions will be posted on the assignment section.		4a (Ch-7)
8	22	3	Call by value and call by reference(BSA-Test)	Unit test	Power Point		4a (Ch-7)
	SS	3	Difference between library and user defined functions				4a (Ch-7)
	23	4	Program structure: Storage classes, automatic variables	Quiz	Power Point		4a (Ch-8)
	24	4	External variables, Static variables	Spin the wheel	Power Point, Code block		4a (Ch-8)
9	25	4	Pre-processor: Features, #define ,#include	Quiz	Power Point, Code Block		4a (Ch-8)
	SS	4	Use of pre-processor directives and symbolic constant	-	-		4a (Ch-8)
	26	4	Macros	Viva	Power Point, Code Block		4a (Ch-8)
	SS	4	Application of Macros	-	-		
	27	4	Arrays: Definition, processing	Open Book Test	Power Point		4a (Ch-9)



10	28	4	Passing arrays to functions,	Quiz	Power Point		4a (Ch-9)
	29	4	multidimensional arrays (BSA-poster Presentation)	-	Code Block		4a (Ch-9)
	30	4	Strings and functions	Unit Test	Power Point		4a (Ch-9)
11	31	5	Pointers: Fundamentals, declarations	Viva	Power Point		4a (Ch-10)
	32	5	Pointer type Declaration, Pointer Assignment	(BSA- Mini Project)-	Power Point		4a (Ch-10)
	33	5	Pointer Initialization , Pointer Arithmetic	-	Power Point		4a (Ch-10)
12	34	5	Functions and Pointers	Quiz Viva	Power Point, Code Block		4a (Ch-10)
	35	5	Arrays And Pointers , Pointer Arrays,	Mobile App Based Quiz	Power Point		4a (Ch-10)
	<b>SS</b>	5	Passing values to arrays	-	-		4a (Ch-10)
	36	5	Passing functions to other functions	Quiz	Power Point		4a (Ch-10)
13	37	5	Structures and Unions: Structure Variables	Viva	Power Point		4a (Ch-10)
	38	5	Initialization, Structure Assignment	poll	Power Point		4a (Ch-10)
	39	5	Structures and Functions , Structures and Arrays: Arrays of Structures,	Viva	Power Point		4a (Ch-10)

			Structures Containing Arrays				
	40	5	Union, structure and pointers (BSA- Take Home Test)	Unit test	Power Point		4a (Ch-11)
	SS	5	Nested Structure	-	-		4a (Ch-11)

6.

### Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assign-ments	Tutoria l	Lab / Practical Performanc e	Lab Journal Assessmen t	Class Tests (Othe r than IA)	Other (1) specify	Oth er (2) spe cify	Total
75% attendance, Active Participation-10 Marks	1		Practical Submission (100 Marks) Scaled to 20 Marks, Practical Assessment #1- 10 Marks, Final Practical Exam (Case study presentation +Viva)- 20 Marks		-	IA 1(Descriptive)- 20 Marks, IA 2 (MCQs+Viva)- 20 Marks  Scaled to 15 Marks	-	75

7.

### Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Introduction to Programming languages, Fundamentals of C.	CO1	3 <sup>rd</sup> Week	4 <sup>th</sup> Week

2	Operators and Expressions, Data Input and output	CO2	5 <sup>th</sup> Week	6 <sup>th</sup> Week
3	Debugging Errors	C04,C05	10 <sup>th</sup> Week	11 <sup>th</sup> Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1	4a(1)	4b(1)		✓	✓
2	5	✓	✓		2	4a(1)	4b(3)		✓	✓
3	10	✓	✓		3,4	4a(1)	4b(3)		✓	✓

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	6th Week	1,2		Q1- Answer in one sentence Q2 –Answer in brief 15 Marks	
2 <sup>nd</sup> IA Test	12th Week	1,2		Q1 – MCQ – 15 Marks	
Pop Quiz	7 <sup>th</sup> Week	Unit 3			
Open Book Test	13 <sup>th</sup> week	Unit 4			
Take Home Test	5 <sup>th</sup> , 12 <sup>th</sup> week	Unit 3,5			
Class tests / prelims	After Each Unit	1,2,3,4,5			
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

9.a

### Practical Activities – Regular Experiments



Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	2	Basic Programs	Input/Output Statements	C01,C06	4
2	2	Programs on variables	Declaration & Initialization of Variables	C01,C02,C06	4
3	3	Conditional statements and loops(basic)	Use of Conditional & looping statements	CO3,CO6	4
4	3	Conditional statements and loops(advanced)	Use of Conditional & looping statements	CO3,CO6	4
5	3	Programs on patterns	Use of Nested Loops	CO3,CO6	4
6	3	Functions	Working of user defined Function	CO3,CO6	4
7	3	Recursive functions	Recursive Function	CO3,CO6	4
8	4	Arrays	Storing and Retrieving Multiple Homogeneous data	CO4,CO6	4
9	5	Pointers	Variable addressing & Pointer Arithmetic	CO5,CO6	4
10	5	Structures and Unions	Storing & Accessing Heterogeneous data	CO5,CO6	4

## 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	<i>Concepts to be highlighted</i>	CO Map	Audit / Quality Rate (0 to 4)
3	2	Use of Library Functions	Use of different library functions	C03,C06	4

8	4	Demonstrate the concepts of Storage Classes	Scope of variables	CO4,CO6	4
---	---	---	--------------------	---------	---

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
9	5	Build Console Application for various Operations	Structure, Arrays & Functions	C03,C04,C05,C06	4

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	√
4		Mini Projects	√
5		Pop Quiz	√
6		Mobile App Based Quiz	√
7		Open Book Test	√
8		Take Home Test	√
9	Collaborative and Group Activity	Poster Presentation	√
10		Minute Papers	√
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	√
16		Value Added Courses	√
17		Lecture Capture Usage	√

**\* Do not delete any activity. Give details for planned events. Write ‘NA’ for activity Not Planned.**

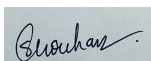
Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Mr. Asif Rampurawala  
Faculty 1 Name (Sign.)

Ms. Janhavi Vadke  
Faculty 2 Name (Sign.)

Ms. Akshatha Jain  
Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)



Dr. Pallavi Tawade  
VSIT Cluster Mentor Name (Sign.)

External Academic Mentor (Sign.)

Head of Dept. (Sign.)

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vazelekar  
Educational Campus, Vazelekar (E)  
Mumbai - 400 047  


**The academic resources available in VSIT –**

<b>VMIS (ERP)</b>	<b>V-Refer and V-Live</b>	<b>VSIT Library</b>	<b>VAC &amp; MOOC Courses</b>
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a**

**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Concepts related to Trigonometry and graphical concepts of various functions.
Affective	What do you want students to think / care about?	Methods to be applied for determining trigonometric values of multiple angles and operation of angles.
Behavioural	What do you want students to be able to do?	Understand the concepts of various conic sections and there parametric equations

**1.b**

**Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Apply the knowledge of numbers, graph and functions in real life.	Unit 1-5
CO2	Apply trigonometry in modelling real life problems	Unit 2
CO3	Use analytic trigonometry and inverse circular functions to solve variety of problems.	Unit 2 and 3
CO4	Apply complex numbers theory to different domains, use vectors and matrices to solve real life problems.	Unit 4
CO5	Identify different types of conics from equations, understand sequences and series and basics of limits and derivatives.	Unit 5

**1.c**

**Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '–': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d**

**Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '–':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e**

**Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category	✓						

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USDS105	Precalculus	75	50	--	2	2	--	4

Subject Code	Subject Name		Examination Scheme							
		Theory Marks IA Test				End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Total of IA1 and IA2	Active Participation					
USDS105	Precalculus	30 (Scaled to 7.5)	30 (Scaled to 7.5)	15	10	75	25	50		150

**1.f**

**Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>Div A</b>	4	N.A.	N.A.	N.A.	N.A.	1.5	N.A.	N.A.	N.A.



**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
Div A		3:00 pm – 4:00 pm	MS Teams/ X-019

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Fundamental; Function; Polynomial and Rational Functions	8hrs	20
2	Exponential and Logarithmic Functions; Trigonometric Functions: Unit Circle and Right Angle Approach	8hrs	20
3	Analytic Trigonometry; Sinusoidal and Inverse trigonometric functions	8hrs	20
4	Polar Coordinates; Vector in Two and Three dimensions; System of equations and inequalities	10hrs	20
5	Conic sections; Sequence and Series; Limits: A Preview of Calculus	6hrs	20
* Insert rows for more modules in the Course		Total	48 hrs 100%

**2.b Prerequisite Courses**

Sr. No.	Semester	Name of the Course	Topic/s
1	X, XI, XII	Mathematics	Functions; Trigonometric functions

**2.c Relevance to Future Courses**

Sr. No.	Semester	Name of the Course
1	II	Calculus
1	IV	Numerical Methods
2	V	Artificial Intelligence
3	VI	Machine Learning

**2.d****Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

Sr. No.	Real Life Application Mapping with the Course
1	Wireless communication
2	Function analysis
3	Antenna Design

**3.****Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target -Dec 2021
Course Passing % – Average of 6 Divisions	97%
Marks Obtained by Course Topper (marks/100)	96

Division A		
Year	Initials of Teacher	% Result
Dec 2021		

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future

**4****All the Learning Resources – Books and E-Resources****4.a****List of Text Books (T – Symbol for Text Books) to be Referred by Students**

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Precalculus–Mathematics for Calculus	James Stewart, Lothar Redlin, Saleem Watson	Cengage Learning	7 <sup>th</sup>	1-5
2	Precalculus	David H. Collingwood, K. David Prince, Matthew M. Conroy	Free Software Foundation	--	3

**4.b****List of Reference Books (R – Symbol for Reference Books) to be Referred by Students**

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Precalculus	David H. Collingwood, K. David Prince, Matthew M. Conroy	Free Software Foundation	6 <sup>th</sup>	1-5
2	Precalculus Demystified	Rhonda Huettenmueller	Tata McGraw Hill	5 <sup>th</sup>	1-5

#### 4.c List of E – Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Precalculus: An investigation of functions <a href="http://www.opentextbookstore.com/precalc/1.4/Precalc.c.pdf">http://www.opentextbookstore.com/precalc/1.4/Precalc.c.pdf</a>	David Lippman	--	5	1, 2, 3
2	Precalculus <a href="https://assets.openstax.org/oscms-prodcmis/media/documents/Precalculus-OP_9wwF7YT.pdf">https://assets.openstax.org/oscms-prodcmis/media/documents/Precalculus-OP_9wwF7YT.pdf</a>	Jay Abramson	Openstax	-	1-5

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="https://files.eric.ed.gov/fulltext/EJ1126695.pdf">https://files.eric.ed.gov/fulltext/EJ1126695.pdf</a> Success in Introductory Calculus: The Role of High School and Precalculus Preparation	<a href="https://www.yumpu.com/en/document/read/18863465/9precalculus-review">https://www.yumpu.com/en/document/read/18863465/9precalculus-review</a> Pre-calculus Review	1-5
2	<a href="https://www.rroij.com/open-access/a-brief-note-on-precaculus-and-its-function.pdf">https://www.rroij.com/open-access/a-brief-note-on-precaculus-and-its-function.pdf</a> A Brief Note on Precalculus and its Function	<a href="https://www.yumpu.com/en/document/read/50825842/precaculus-willoughby-eastlake-city-schools">https://www.yumpu.com/en/document/read/50825842/precaculus-willoughby-eastlake-city-schools</a> Pre-calculus	1-5
3	<a href="https://www.maa.org/sites/default/files/pdf/pubs/books/members/NTE92.pdf">https://www.maa.org/sites/default/files/pdf/pubs/books/members/NTE92.pdf</a> Addressing Challenges to the Precalculus to Calculus II Sequence through Case Studies	<a href="https://www.yumpu.com/en/document/read/65255188/math911-manual-2021">https://www.yumpu.com/en/document/read/65255188/math911-manual-2021</a> Algebra 911 Topics	1-2

#### 4.e Module Best Available in – Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - ✓						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals				
	Text	Reference	E- Book		Regular	E- Journal	Y	N	
1	✓		✓					✓	Precalculus–Mathematics for Calculus (Chapter 1, 2 and 3)
2	✓		✓					✓	Precalculus–Mathematics for Calculus (Chapter 4, 5 and 6)
3	✓		✓					✓	Precalculus–Mathematics for Calculus (Chapter 7) Precalculus (Chapter 19 and 20)
4	✓		✓					✓	Precalculus–Mathematics for Calculus (Chapter 8, 9 and 10)
5	✓		✓					✓	Precalculus–Mathematics for Calculus (Chapter 11, 12 and 13)

*Rakelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Wazirpur  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027



**4.f****Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos**

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Real Numbers ( <a href="https://www.youtube.com/watch?v=3YwrcJxEbZw">https://www.youtube.com/watch?v=3YwrcJxEbZw</a> )	1
2	Exponents and Radicals ( <a href="https://www.youtube.com/watch?v=klTJ6qH7jS0">https://www.youtube.com/watch?v=klTJ6qH7jS0</a> )	1
3	Mathematical Modelling and Simulation ( <a href="https://www.youtube.com/watch?v=df5EK1P6Ph0">https://www.youtube.com/watch?v=df5EK1P6Ph0</a> )	1
4	Logarithmic functions ( <a href="https://www.youtube.com/watch?v=4UNkQcBrLaQ">https://www.youtube.com/watch?v=4UNkQcBrLaQ</a> )	2
5	Trigonometric introduction ( <a href="https://www.youtube.com/watch?v=T9lt6MZKLck">https://www.youtube.com/watch?v=T9lt6MZKLck</a> )	2
6	Trigonometric identities ( <a href="https://www.youtube.com/watch?v=T7D1W1oD8wo">https://www.youtube.com/watch?v=T7D1W1oD8wo</a> )	3
7	Trigonometric Angle Operations ( <a href="https://www.youtube.com/watch?v=H8o206G870s">https://www.youtube.com/watch?v=H8o206G870s</a> )	3
8	Conic Sections ( <a href="https://www.youtube.com/watch?v=XLdIYhVwV0w">https://www.youtube.com/watch?v=XLdIYhVwV0w</a> )	5
9	Limits ( <a href="https://www.youtube.com/watch?v=riXcZT2ICjA">https://www.youtube.com/watch?v=riXcZT2ICjA</a> )	5

**4.g****Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.**

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://alison.com/course/ap-calculus-ab-introduction-to-limits-and-derivatives">https://alison.com/course/ap-calculus-ab-introduction-to-limits-and-derivatives</a> Limits and Derivative	Alison Course	3-4 days	Y
2	<a href="https://alison.com/course/clep-pre-calculus-trigonometry">https://alison.com/course/clep-pre-calculus-trigonometry</a> CLEP Pre-calculus: Trigonometry	Alison Course	3-4 days	Y
3	<a href="https://alison.com/course/clep-pre-calculus-algebraic-basics">https://alison.com/course/clep-pre-calculus-algebraic-basics</a> CLEP Pre-Calculus: Algebraic Basics	Alison Course	3-4 days	Y

**4.h****Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	--	--	--	--

**4.i****Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	In Progress		--	Practice Questions

## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration			14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1		Induction and Introduction	Poll	Power-Point		
	2	1	Modelling with Equations	Viva	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 44-57)
	3	1	Lines	Poll	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 105-117)
2	Self Study	1	Real Numbers, Exponents and Radicals				Precalculus– Mathematics for Calculus (Pg. 2-23)
	4	1	Combining Functions	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 190-198)
	5	1	One-to-One Functions and Their Inverses	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 199-206)
	6	1	Polynomial Functions	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 232-245)
3	7	1	Synthetic Division	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 246-252)
	8	1	Revision and Class Test	Quiz	Power-Point, Microsoft Forms		
	Self Study	2	Trigonometric Functions of Real Numbers				Precalculus– Mathematics for Calculus (Pg. 377-385)
	9	2	The Unit Circle	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 370-376)

4	10	2	Trigonometry of Right Triangles	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 443-450)
	11	2	Trigonometric Functions of Angles	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 451-461)
	12	2	Inverse Trigonometric Functions and Right Triangles	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 462-468)
5	13	2	Exponential and Logarithmic Equations	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 331-339)
	14	2	Logarithmic Functions, Laws of Logarithms	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 315-330)
	15	2	Exponential Functions, The Natural Exponential Function	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 302-314)
6	16	2	Revision and Class Test	Quiz	Power-Point, Microsoft Forms	
	17	3	Addition Formulas	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 500-506)
	18	3	Subtraction Formulas	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 500-506)
7	19	3	Double-Angle, Half-Angle	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 507-516)
	20	3	Product-Sum Formulas	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 507-516)
	21	3	Basic Trigonometric Equations	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 517-523)
8	22	3	Revision	Viva, THT	Power-Point, Droid	
	23	3	Class Test	Quiz	Power-Point, Microsoft Forms	
	24	4	Polar Coordinates	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 542-554)
9	25	4	Polar Form of Complex Numbers,	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 555-563)
	26	4	De Moivre's Theorem	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 555-563)
	27	4	Plane Curves and Parametric Equations	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 564-571)
10	28	4	Vectors in Two Dimensions, The Dot Product	Viva, THT	Power-Point, Droid	Precalculus– Mathematics for Calculus (Pg. 580-596)

	29	4	Three-Dimensional Coordinate Geometry	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 597-609)
	30	4	The Cross Product	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 610-615)
11	31	4	Equations of Lines and Planes	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 616-619)
	32	4	Matrices and Systems of Linear Equations	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 649-671)
	33	4	Inverses of Matrices and Matrix Equations	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 672-681)
12	34	4	Revision and Class Test	Quiz	Power-Point, Microsoft Forms		
	35	5	Parabolas, Ellipses, Hyperbolas	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 724-749)
	36	5	Polar Equations of Conics	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 765-771)
13	37	5	Arithmetic and Geometric Sequences	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 794-807)
	38	5	Finding Limits Numerically	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 840-855)
	39	5	Tangent Lines and Derivatives	Viva, THT	Power-Point, Droid		Precalculus– Mathematics for Calculus (Pg. 856-864)
14	40	5	Revision and Class Test	Quiz	Power-Point, Microsoft Forms		

#### 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
Active Participation (10)	5 Assignments	-	Practical Submission (100 Scaled down to 20) Practical Assessment – 20 Final Practical/ Tutorial Exam – 20 marks		5 Test on Each Unit	20(IA)	N.A	30

#### 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Mathematical Modelling	1	3 <sup>rd</sup> Week	4 <sup>th</sup> Week

2	Trigonometric Identities	2 and 3	7 <sup>th</sup> Week	8 <sup>th</sup> Week
3	Vectors and Matrices	4	8 <sup>th</sup> Week	9 <sup>th</sup> Week
4	Conic Section	5	11 <sup>th</sup> Week	12 <sup>th</sup> Week
5	Limits	5	12 <sup>th</sup> Week	12 <sup>th</sup> Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1	✓	✓			✓
2	7			✓	2 and 3	✓	✓			✓
3	8	✓			4	✓	✓			✓
4	11	✓			5	✓	✓			✓
5	12	✓		✓	5			Allison Course		

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ); Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	6 <sup>th</sup> Week	1,2	1,2,3	IA 1 (MCQ) 30 Marks(Scaled to 7.5)	No IA Re-test IA is a Head of passing *
2 <sup>nd</sup> IA Test	12 <sup>th</sup> Week	4,5	1,4,5	IA 2(MCQ) 30 marks(Scaled to 7.5)	
Pop Quiz	2 <sup>nd</sup> Week	1	1	N.A	N.A
Open Book Quiz	5 <sup>th</sup> Week	2	2	Quiz (MCQ)	N.A
Take Home Test	After every Lecture	1 to 5	1 to 5	N.A	N.A
Practical's/ Prelims					
Class Test/ Prelims	Week 3, 5, 7, 10 & 12	1 to 5	1 to 5		
Any Other Test/ Exams					

\* IA failures will have to appear for re-test in next semester

9.a

### Practical Activities – Regular Experiments



Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Thane (E)  
 Educational Campus, Kurla (E)  
 Mumbai - 400 027.



## 10. Beyond Syllabus Activities for Gap Mitigation

Sr. No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Bridge Course on 'Mathematics in Data Science'
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Module 1, 2, 3, 4, 5
4		Mini Projects	
5		Pop Quiz	
6		Mobile App Based Quiz	Module 1
7		Open Book Test	Module 2
8		Take Home Test	Module 1, 2, 3, 4, 5
9	Collaborative and Group Activity	Poster Presentation	✓ (Study of Triangles using Trigonometry)
10		Minute Papers	
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	✓
16		Value Added Courses	
17		Lecture Capture Usage	✓

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1: Mr. Prabal Deep Das

External Industry Mentor:



External Academic Mentor

VSIT Cluster Mentor Name: Mr. Umesh Koyande

Head of Dept. (Sign.)

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vajrapada  
Educational Campus, Mumbai (E)  
Mumbai - 400 027



## Consolidated Academic Administration Plan for the Course

**USIT 102 Digital Electronics – Sem. I –**  
**B.Sc. (Information Technology)– 2020-2021 – Odd Semester**  
**Ms.Amraja Shivkar, Mr.Laxmikant Manchekar**

The academic resources available in VSIT –

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All textbooks, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

### 1.a Course Objectives (write in detail – follow NBA guideline in this regard)

Cognitive	What do you want students to know?	<ul style="list-style-type: none"> <li>Different number systems and formulae in Boolean Algebra.</li> <li>Difference between Combinational and sequential circuits</li> </ul>
Affective	What do you want students to think / care about?	<ul style="list-style-type: none"> <li>Application of Digital Electronics in real life technologies or devices.</li> <li>Finding simplest solution to the given problem statement.</li> </ul>
Behavioural	What do you want students to be able to do?	<ul style="list-style-type: none"> <li>Do conversions from a number system to other number systems.</li> <li>Also design combinational and sequential circuits.</li> </ul>

### 1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)

CO No.	Statements	Related Module/s
CO1	Students will have a thorough understanding of the fundamental concepts and techniques used in digital electronics	Unit 1
CO2	Students will be able to understand and examine the structure of various number systems and its application in digital design.	Unit 1, Unit 2
CO3	Students will be able to identify basic requirements for a design application and formulate most suitable solution	Unit 3
CO4	Students will be able to understand, analyse and design various combinational and sequential circuits	Unit 3, Unit 4
CO5	Students can identify and prevent various hazards and timing problems in a design.	Unit 4, Unit 5
CO 6	Students will develop skill to build and troubleshoot digital circuits	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		✓					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USIT102	Digital Electronics	75	50	--	2	2	--	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Average of IA1 and IA2					
USIT102	Digital Electronics	20	20	Scaled to 15 + 10 Class Participation	75	25	-	-	100

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	3	1.5	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>B</b>	3	1.5	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>C</b>	3	1.5	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>D</b>	3	1.5	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>E</b>	3	1.5	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>F</b>	3	1.5	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
All	Friday	3:00 pm – 4:00 pm	MS Teams

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Number Systems, Codes	12	20
2	Boolean Algebra Karnaugh Maps	09	20
3	Combinational Circuits	08	20
4	Sequential Circuits, Flip Flops	06	20
5	Counters and Shift Registers	05	20
<b>Total</b>		<b>40 Hrs</b>	<b>100%</b>

**2.b Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	SYJC	Physics	Logic gates and basic Electronics

**2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	BSc IT Sem II	Microprocessor Architecture
2	BSc IT Sem IV	Introduction to Embedded Systems
3	BSc IT Sem V	Internet of Things
4	MSc IT Sem IV	Advanced IoT

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Display of digital watch
2	Count-down timer at traffic signals
3	Laptops, TV, smart phones
4	Washing machines or the anti-braking system in cars have digital components.

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Dec 2021	Dec 2020	Nov 2019	Nov 2018
Course Passing % – Average of 3 Divisions	100	98.88	97.73	97.10
Marks Obtained by Course Topper (mark/100)	100	100	98	95

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	AKS/LAM	100	AKS/LAM	96.55	AKS/LAM	98.33
Oct 2019	AKS	96.15	LAM	100	LAM	100
Nov 2018	AKS	98.11	KYD	78.68	LAM	91.37

	Division D		Division E		Division F	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	AKS/LAM	100	AKS/LAM	NA	AKS/LAM	100
Oct 2019	LAM	96.49	LAM	93.48	AKS	100
Nov 2018	LAM	85.00	AKS	96.22	AKS	97.22

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Bushing concept in Counters	5	Question answer format notes were prepared
-	-	-

## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Digital Electronics and Logic Design	N.G. PALAN	Technova	First	1-5
2					

### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Modern Digital Electronics	R. P. JAIN	McGraw Hill	Fourth	1-5
2	Digital Principles and Applications	MALVINO & LEACH	McGraw Hill		1-5
3	Digital Electronics: Principles, Devices and Applications	Anil K. Maini	Wiley		1-5

#### 4.c

#### List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Introduction to Digital Electronics	Prof. Smith			1-5
2	Digital Electronics	William Kleitz	Prentice Hall	7	1-5

#### 4.d

#### Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="https://openlibrary.org/subjects/digital_electronics">https://openlibrary.org/subjects/digital_electronics</a> (Openlibrary)	<a href="https://www.electronicsforu.com/">https://www.electronicsforu.com/</a> (Electronics For You)	1-5
2	<a href="http://ecc.journalspub.info/index.php?journal=IJDE">http://ecc.journalspub.info/index.php?journal=IJDE</a> (Journalpub)	<a href="https://www.elektor.com/">https://www.elektor.com/</a> (Elektor)	1-5
3	<a href="https://ieeexplore.ieee.org/document/34118?s">https://ieeexplore.ieee.org/document/34118?s</a> (IEEE)	<a href="https://www.siliconchip.com.au/">https://www.siliconchip.com.au/</a> (Indiamags)	1-5
4	<a href="https://link.springer.com/chapter/10.1007/978-3-642-27452-7_70">https://link.springer.com/chapter/10.1007/978-3-642-27452-7_70</a> (Springer)	<a href="https://www.newelectronics.co.uk/digital-magazine/">https://www.newelectronics.co.uk/digital-magazine/</a> (New Electronics)	
5	<a href="https://www.indiamags.com/international-journal-of-digital-electronics">https://www.indiamags.com/international-journal-of-digital-electronics</a> (Indiamags)	<a href="https://www.edn.com/">https://www.edn.com/</a> (EDN)	

#### 4.e

#### Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals				
	Text	Reference	E- Book		Regular	E- Journal	Y	N	
1		✓	✓			✓	✓		N G Palan: Chapter 1, 2 Page 1.3 to Page 2.72
2		✓	✓			✓	✓		N G Palan: Chapter 3, 4 Page 3.3 to Page 4.75
3		✓	✓			✓	✓		N G Palan: Chapter 5, 6 Page 5.2 to Page 6.42
4		✓	✓			✓	✓		N G Palan: Chapter 7, 8 Page 7.2 to Page 8.34
5		✓	✓			✓	✓		N G Palan: Chapter 9, 10 Page 9.2 to Page 10.25

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VSIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	College Note - <a href="#">VREFER</a>	1 to 5
2	Number Systems, codes, circuits - <a href="https://www.tutorialspoint.com/digital_circuits/index.htm">https://www.tutorialspoint.com/digital_circuits/index.htm</a>	1 to 5
3	Number System Conversion - <a href="https://www.youtube.com/watch?v=MPMX7TKcGis">https://www.youtube.com/watch?v=MPMX7TKcGis</a>	1
4	Logic Gates - <a href="https://www.youtube.com/watch?v=AT_GjUjNFpo">https://www.youtube.com/watch?v=AT_GjUjNFpo</a>	2
5	Half Adder - <a href="https://www.youtube.com/watch?v=PzdLj_61WPI">https://www.youtube.com/watch?v=PzdLj_61WPI</a>	3
6	Multiplexer - <a href="https://www.youtube.com/watch?v=dCUpm2mJ4m0">https://www.youtube.com/watch?v=dCUpm2mJ4m0</a>	4
7	Registers and Counters - <a href="https://www.youtube.com/watch?v=8JMfp-y335s">https://www.youtube.com/watch?v=8JMfp-y335s</a>	5
8	Combinational circuits - <a href="https://www.electronics-tutorials.ws/">https://www.electronics-tutorials.ws/</a>	1 to 5

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.classcentral.com/course/swayam-introductory-concepts-of-digital-computing-45159">https://www.classcentral.com/course/swayam-introductory-concepts-of-digital-computing-45159</a>	Consortium for Educational Communication	12 Weeks (From 11 <sup>th</sup> July 2021)	Y
2	<a href="https://www.classcentral.com/course/swayam-digital-electronic-circuits-12953">https://www.classcentral.com/course/swayam-digital-electronic-circuits-12953</a>	IIT Kharagpur	12 Weeks (From 25 <sup>th</sup> July 2021)	Y

#### 4.h Recommended Value-Added Courses (VAC)





Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Arduino	VSIT	32 Hrs	Y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	✓	✓ (Videos)

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	From (date/month/year)	Total Number of Weeks
Semester Duration			14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	<b>Introduction:</b> Analog System, Digital System, Introduction to number system	Poll	Power point, Video Clip		N. G. Palan Pg 1.3 – 1.7
	2	1	Conversion (binary, octal and hexadecimal)	Viva	Power point, Group Discussion		N. G. Palan Pg 1.8 – 1.15
	3	1	Conversion (binary and decimal)	Quiz	Power point, Flipped Classroom		N. G. Palan Pg 1.16–1.24
2	4	1	Conversion (decimal, octal and hexadecimal)	Viva	Power point, Flipped Classroom		N. G. Palan Pg 1.25–1.37
	5	1	Weighted codes (BCD) Non-weighted codes (Excess-3, Gray code)	Quiz	Power point, Video Clip		N. G. Palan Pg 1.48–1.53
	Self Study	1	ASCII code, Hollerith code, Morse Code	THT	-		N. G. Palan Pg 1.54–1.63
	6	1	Binary Arithmetic: Binary addition and subtraction,	Poll	Power point, Group Discussion		N. G. Palan Pg 2.2–2.22
3	7	1	Negative number representation	Viva	Power point		N. G. Palan Pg 2.23–2.34
	8	1	Subtraction using 1's complement	Quiz	Power point, Flipped Classroom		N. G. Palan Pg 2.34
	9	1	Subtraction using 2's complement	THT	Power point, Flipped Classroom		N. G. Palan Pg 2.35
4	10	1	Binary multiplication	THT	Power point, Flipped Classroom		N. G. Palan Pg 2.36–2.42



	Self Study	3	Comparator	THT	-		N. G. Palan Pg 6.26–6.30
	29	3	Multiplier – <b>Unit test</b> <b>Identify the digital circuit</b>	Viva	Power point, Group Discussion		N. G. Palan Pg 6.34–6.36
	30	4	Multiplexer	Quiz	Power point, Video clip		N. G. Palan Pg 7.2–7.10
11	31	4	Demultiplexer	Viva	Power point, Video clip		N. G. Palan Pg 7.2–7.20
	32	4	Decoder, Encoder	Quiz	Power point, Group Discussion		N. G. Palan Pg 7.27–7.30
	33	4	SR Flip Flop, D Flip Flop	Viva	Power point, Group Discussion		N. G. Palan Pg 8.2–8.12
12	34	4	JK Flip Flop	Viva	Power point, Group Discussion		N. G. Palan Pg 8.12–8.18
	Self Study	4	T- flip flop	THT	-		N. G. Palan Pg 8.19–8.25
	35	4	FF Conversions	OBT	Power point, Group Discussion		N. G. Palan Pg 8.25–8.31
	36	4	Asynchronous counter, Terms related to counters	Viva	Power point, Group Discussion		N. G. Palan Pg 9.2–9.10
	37	4	Synchronous counter – <b>Unit test on FF conversions</b>	Viva	Power point, Group Discussion		N. G. Palan Pg 9.10–9.17
	38	5	Type T design, Odd modulo counter	OBT	Power point, Group Discussion		N. G. Palan Pg 9.18–9.38
	39	5	Shift Registers: Introduction	Quiz	Power point, Group Discussion		N. G. Palan Pg 9.38–9.54
	Self Study	5	Difference between Counters and registers.	THT	-		N. G. Palan Pg 9.54–9.60
	40	5	Shift Left and Shift Right registers - <b>Unit test on Identifying Counter</b>	OBT	Power point, Group Discussion		N. G. Palan Pg 10.2–10.7

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) Specify	Total
75% Attendance, Active Participation (10)			Practical Submission 100 marks scaled to 20 marks + Practical assessment #1 = 10 marks + Final Practical exam (miniproject+viva)=20marks		IA1 (Descriptive)= 20 marks + IA1 (Descriptive)= 20 marks Scaled to 15			75

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Number system and K-map	CO1, CO2	3 <sup>rd</sup> Week	5 <sup>th</sup> Week
2	Designing of combinational circuits	CO 3	8 <sup>th</sup> Week	9 <sup>th</sup> Week
3	Counters and Shift Registers	CO 5	11 <sup>th</sup> Week	12 <sup>th</sup> Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (v)	
		R	UQ	OBT		TextBook	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓	✓		1	1	1, 2	✓	✓	✓
3	8	✓			3	1	1, 3	✓	✓	✓
5	11	✓			5	1	1, 4	✓	✓	✓

\* Tick (v) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Textbook, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	Week 6	1 and 2	1, 2, 3	IA 1 (Descriptive) 20 marks (scaled to 7.5)	No IA Re-test IA is a Head of passing *
2 <sup>nd</sup> IA Test	Week 12	3 & 4	3, 4, 5	IA 2 (MCQ + Viva) 20 marks (scaled to 7.5)	
Pop Quiz	Week 9	3	4	10 MCQ's – 01 marks each	
Open Book Test	Week 10, 12	4 & 5	5, 6	4 questions – 20 marks	
Take Home Test	Week 1, 7, 12	All	1, 2, 3, 4, 5, 6	4 questions – 20 marks	
Any other test/exams	Week 10, 13	2, 3 & 4	3, 4, 5	Diagrams and truth table designing	
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

9.a

### Practical Activities – Regular Experiments



Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	2	Introduction to simulators, Breadboard, and digital electronics components	Connections and electronics	CO1	4
2	2	Study of Logic gates and their ICs	Logic operations	CO1 CO2	4
3	2	De Morgan's Theorems	Boolean Algebra	CO2 CO3	4
4	1, 2	Design basic and derived gates using universal gates	Boolean Algebra, Circuit Designing	CO2 CO3	4
5	2	Implement Code converters	Code conversion	CO3	4
6	1, 3	Half Adder and Full Adder	Binary arithmetic, Circuit Designing	CO3 CO4	4
7	1, 3	Half Subtractor and Full Subtractor	Binary arithmetic, Circuit Designing	CO3 CO4	4
8	3	Multiplexer and Demultiplexer	Truth tables, Circuit Designing	CO4 CO5	4

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	4	Implement the given expression using 1:4 demultiplexer.	Multiplexer, Demultiplexer	3, 4	4

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	3, 4	Implement full adder using 8:1 multiplexer.	Adder, Multiplexer	4, 5	4

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Guest lecture on “Digital Counters”
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Diagrams and truth table designing
4		Mini Projects	-
5		Pop Quiz	Week 9 - Module 3(Multiple choice questions)
6		Mobile App Based Quiz	
7		Open Book Test	Module 3, 4, 5
8		Take Home Test	All units
9	Collaborative and Group Activity	Poster Presentation	Poster making competition
10		Minute Papers	
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes
16		Value Added Courses	Arduino
17		Lecture Capture Usage	Yes
18		Bridge Course	A 6-hr Bridge Course in Number System and K-Map

**\* Do not delete any activity. Give details for planned events. Write ‘NA’ for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Ms. Amraja Shivkar

Mr. Laxmikant Manchekar

External Industry Mentor (Sign.)



Mr. Umesh Koyande  
VSIT Cluster Mentor Name (Sign.)

External Academic Mentor (Sign.)

Mr. Umesh Koyande  
Head of Dept. (Sign.)

**Version 2021-2022**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

### 1.a Course Objectives (write in detail – follow NBA guideline in this regard)

Cognitive	What do you want students to know?	Fundamental concepts of logical operations and their applications in computer science.
Affective	What do you want students to think / care about?	Students should think logically while writing more abstract coding for real time applications.
Behavioural	What do you want students to be able to do?	It will help students to solve any complex algorithm by using graph theory and will be able to convert any statement in terms of mathematical expression.

### 1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)

CO No.	Statements	Related Module/s
CO1	Able to use logically valid forms of argument, convert formal to informal statement and vice-versa by avoid common logical errors.	1
CO2	Able to use both direct and indirect arguments to derive new results from the given set of logical identities and those which are already known to be true.	2
CO3	Able to develop recursive thinking which is used in the analysis of algorithms for proving any type of given sequences and series.	3
CO4	Able to apply principles and concepts of graph theory in practical situations so that any complex algorithm can be solved in a more efficient manner.	4
CO5	Able to understand the laws concerning the measurement of random or chance events and also various counting methods.	5

**1.c**

**Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '–': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d**

**Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '–':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e**

**Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category	✓						

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USIT104	Discrete Mathematics	75	50	-	2	2	-	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
USIT104	Discrete Mathematics	20	20	Scaled to 15 + 10 Class Participation	75	25	-	-	150

**1.f**

**Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	3	1.5	1.5	--	--	NA	--	--	--
<b>B</b>	3	1.5	1.5	--	--	NA	--	--	--



<b>C</b>	3	1.5	1.5	--	--	NA	--	--	--
<b>D</b>	3	1.5	1.5	--	--	NA	--	--	--
<b>E</b>	3	1.5	1.5	--	--	NA	--	--	--
<b>F</b>	3	1.5	1.5	--	--	NA	--	--	--

**1.g**

**Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
All Divisions	Thursday	3.00 pm to 4.00 pm	MS Teams

**2.a**

**Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction, Set Theory and Logic of Compound statements	12 hrs	20
2	Quantified statements and Elementary Number Theory and methods of proof.	8 hrs	20
3	Sequences, Mathematical induction and Recursion	6 hrs	20
4	Relations, Graphs and Trees	8 hrs	20
5	Counting and Probability	6 hrs	20
* Insert rows for more modules in the Course		Total	40hrs
			100

**2.b**

**Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	SYJC	Mathematics & Statistics	Set theory, logic, probability, relations, functions etc

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	2	Numerical and Statistical Methods
2	4	Computer Oriented Statistical Techniques
3	5	Artificial Intelligence
4	MSc.IT Part-1	Data Science

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Used in enhancing the algorithm using logical operations.
2	Used in Discrete Signal Processing using the concept of set theory.
3	Logistic systems uses discrete mathematics for organizing the flow of information goods and services
4	Graph theory is used in cyber security to identify the hacked or criminal servers

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Dec 2021	Dec 2020	Dec 2019	Dec 2018
Course Passing % – Average of 3 Divisions	100%	97.38	96	86
Marks Obtained by Course Topper (mark/100)	100	100	93	94

	Division A		Division B		Division C		Division D		Division E		Division F	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	PDD/ MGJ	100	PDD/ MGJ	96.55	PDD/ MGJ	98.33	PDD/ MGJ	93.22	PDD/ MGJ	-	PDD/ MGJ	100
Dec 2019	PDD	94	TS	97	TS	98	TS	96	TS	96	PDD	95
Dec 2018	SJD	89	PDD	82	PDD	79	SJD	77	PDD	83	SJD	95
Dec 2017	AMV	96	AMV	86	AMV	77	SJD	76	SJD	85	SJD	88
Dec 2016	ZK	72	ZK	70	ZK	71	SJD	72	SJD	70	SJD	95

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Difference between Permutation and Combination	2	Extra problems for practice should be given
Strong mathematical induction	3	Extra problems for practice should be given

## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Discrete Mathematics with Applications	Sussana S. Epp	Cengage Learning	4 <sup>th</sup>	1-5

### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Discrete Mathematics, Schaum's Outlines Series	Seymour Lipschutz, Marc Lipson	Tata McGraw Hill	-	1-5
2	Discrete Mathematics and its Applications	Kenneth H. Rosen	Tata McGraw Hill	-	1-5
3	Discrete mathematical structures	B Kolman RC Busby, S Ross	PHI	-	1-5
4	Discrete structures	Liu	Tata McGraw Hill	-	1-5

### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	<a href="http://discrete.openmathbooks.org/pdfs/dmoi-tablet.pdf">http://discrete.openmathbooks.org/pdfs/dmoi-tablet.pdf</a>	Oscar Levin	-	3rd	1,3,4,5
2	<a href="https://www.cs.yale.edu/homes/aspnes/classes/202/notes.pdf">https://www.cs.yale.edu/homes/aspnes/classes/202/notes.pdf</a>	James Aspnes	-	-	2-5

### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Science Direct Journal on DM: <a href="https://www.sciencedirect.com/journal/discrete-mathematics">https://www.sciencedirect.com/journal/discrete-mathematics</a>	Elements of Discrete Mathematics: <a href="https://www.people.vcu.edu/~rhammack/Discrete/index.html">https://www.people.vcu.edu/~rhammack/Discrete/index.html</a>	1-5
2	IJOART: <a href="http://www.ijoart.org/docs/Set-theory-is-the-ultimate-branch-of-Mathematics.pdf">http://www.ijoart.org/docs/Set-theory-is-the-ultimate-branch-of-Mathematics.pdf</a>	Stanford Encyclopedia of Philosophy: <a href="https://plato.stanford.edu/entries/set-theory/">https://plato.stanford.edu/entries/set-theory/</a>	1
3	The Average Covering Number of a Graph: <a href="https://downloads.hindawi.com/journals/jam/2013/849817.pdf">https://downloads.hindawi.com/journals/jam/2013/849817.pdf</a>	Graph Theory with applications <a href="https://www.zib.de/groetschel/teaching/WS1314/BondyMurtyGTWA.pdf">https://www.zib.de/groetschel/teaching/WS1314/BondyMurtyGTWA.pdf</a>	4
4	IJRES Volume 1, Issue 3, ISSN (Online): 2349-5219 <a href="https://www.ijres.org/administrator/components/com_jresearch/files/publications/IJRES_86_Final.pdf">https://www.ijres.org/administrator/components/com_jresearch/files/publications/IJRES_86_Final.pdf</a>	Nrich by University of Cambridge <a href="https://nrich.maths.org/4718">https://nrich.maths.org/4718</a>	3
5	Theory of Probability (Unit 5) <a href="https://ieeexplore.ieee.org/document/6430479">https://ieeexplore.ieee.org/document/6430479</a>	Probability and statistics, by Prof. Theodore M. Porter, <a href="https://www.britannica.com/science/probability">https://www.britannica.com/science/probability</a>	5

**4.e**

**Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals		Y	N	
	Text	Reference	E- Book		Regular	E- Journal			
1	✓						✓		Sussanna (chapter 2, 6)
2	✓						✓		Sussanna (chapter 3, 4)
3	✓	✓					✓		Sussanna (chapter 5, 7)
4	✓		✓				✓		Oscar Levin (Chapter 4) Sussanna (chapter 8, 10 )
5	✓	✓					✓		Sussanna (chapter 9)

**4.f**

**Web Links for Online Notes/YouTube/VSIT Digital Content/Lecture Capture/NPTEL Videos**

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VSIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content ( <a href="https://drive.google.com/drive/folders/1j2GfB03R8gzNs6lt0aW3MGty10d8RPIM">https://drive.google.com/drive/folders/1j2GfB03R8gzNs6lt0aW3MGty10d8RPIM</a> )	1-5
2	Online Notes and PPTs ( <a href="http://www.nptel.ac.in/courses/111106086/">http://www.nptel.ac.in/courses/111106086/</a> )	1-3
3	Checking validity of Argument <a href="https://www.youtube.com/watch?v=AJe3ATDFIjQ">https://www.youtube.com/watch?v=AJe3ATDFIjQ</a>	2
4	Proof by Contraposition <a href="https://www.youtube.com/watch?v=X-hJ7krLBn0">https://www.youtube.com/watch?v=X-hJ7krLBn0</a>	2
5	Proof by Contradiction <a href="https://www.youtube.com/watch?v=sRDwsfNDXak&amp;t=17s">https://www.youtube.com/watch?v=sRDwsfNDXak&amp;t=17s</a>	2
6	Russell Paradox <a href="https://www.youtube.com/watch?v=xauCQpnbNAM">https://www.youtube.com/watch?v=xauCQpnbNAM</a>	1
7	Halting Problem <a href="https://www.youtube.com/watch?v=t37GQgUPa6k">https://www.youtube.com/watch?v=t37GQgUPa6k</a>	1
8	Bayes' Theorem <a href="https://www.youtube.com/watch?v=HZGCoVF3YvM">https://www.youtube.com/watch?v=HZGCoVF3YvM</a>	5
9	Kruskal's Algorithm <a href="https://www.youtube.com/watch?v=huQojf2tevl">https://www.youtube.com/watch?v=huQojf2tevl</a>	4
10	Prim's Algorithm <a href="https://www.youtube.com/watch?v=huQojf2tevl">https://www.youtube.com/watch?v=huQojf2tevl</a>	4

**4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.**

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Spoken Tutorial on Scilab	IIT Bombay	1 Week	Y
2	<a href="https://www.udemy.com/course/discrete-math/">https://www.udemy.com/course/discrete-math/</a>	Grant Hall	7 weeks	Y
3	<a href="https://onlinecourses.nptel.ac.in/noc21_cs80/preview">https://onlinecourses.nptel.ac.in/noc21_cs80/preview</a>	Prof. Sudarshan Iyengar, Prof. Neeldhara (NPTEL)	12 weeks	Y

**4.h Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1.	Master Discrete Math, the backbone of Mathematics and Computer Science <a href="https://www.udemy.com/course/discrete-math/">https://www.udemy.com/course/discrete-math/</a>	Miran Fattah	106 Lectures	Y

**4.i Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	✓	

**5. Consolidated Course Lesson Plan**

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	/ /2021	/ /2021	14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered.	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	-	Introduction of Discrete Mathematics	Poll	Power-point		Sussana (Chp-3.1)
	2	1	Statements and Sentence	Quiz, Viva	Power-point, Droid		Sussana (Chp-2.1)
	3	1	Logical Operators	Viva, Poll	Power-point, Droid		Sussana (Chp-2.1)

2	4	1	Logical Equivalence	Viva	Power-point, Droid	Sussana (Chp-2.1)
	5	1	Conditional Statements	Viva, THT	Power-point, Droid	Sussana (Chp-2.2)
	6	1	Valid and Invalid Arguments	Viva, THT	Power-point, Droid	Sussana (Chp-2.3)
3	7	1	Valid and Invalid Arguments	Quiz	Power-point, Droid	Sussana (Chp-2.3)
	8	2	Predicates and Quantified Statements	Viva, THT	Power-point, Droid	Sussana (Chp-3.1, 3.2)
	9	2	Statement with Multiple Quantifiers	Viva, Video	Power-point, Droid	Sussana (Chp-3.3)
4	10	2	Arguments with Quantified Statements	THT	Power-point, Droid	Sussana (Chp-3.4)
	11	2	Direct and Indirect Proofs (Rational Number)	Viva	Power-point, Droid	Sussana (Chp-4.2)
	12	2	Direct and Indirect Proofs (Divisibility)	Viva	Flipped classroom	- Sussana (Chp-4.3)
5	13	2	Direct and Indirect Proofs (Quotient Remainder Theorem)	Viva	Flipped classroom	- Sussana (Chp-4.4)
	14	2	Direct and Indirect Proofs (Floor and Ceiling)	Viva, THT	Flipped classroom	Sussana (Chp-4.5)
	Self-Study	2	Indirect Arguments (Contradiction)	THT		Sussana (Chp-4.6)
	Self-Study	2	Indirect Arguments (Contraposition)	THT		Sussana (Chp-4.6)
	15	2	Activity on Module 2			
6	16	1	Set Theory (Set operations)	Poll	Power-point, Droid	Sussana (Chp-6.1)

	17	1	Power Sets	Video	Power-point, Droid		Sussana (Chp-6.2)
	18	1	Properties of Sets	Viva	Power-point, Droid		Sussana (Chp-6.2)
7	19	1	Boolean Algebra (Set Identities)	Quiz	Power-point, Droid		Sussana (Chp-6.3)
	Self-Study	1	Russel Paradox	THT			Sussana (Chp-6.4)
	Self-Study	1	Halting Problem	THT			Sussana (Chp-6.4)
	20	1	Activity on Unit 1				
	21	5	Multiplication Rule	Viva	Power-point, Droid		Sussana (Chp-9.1)
8	22	5	Possibility Trees	Viva, poll	Power-point, Droid		Sussana (Chp-9.2)
	Self-Study	5	Permutation and Combination	THT			Sussana (Chp-9.5)
	23	5	Pigeon-hole Principle	Viva	Power-point, Droid		Sussana (Chp-9.4)
	24	5	Combination with r-repetition	Quiz	Power-point, Droid		Sussana (Chp-9.6)
9	25	5	Conditional Probability	Viva	Power-point, Droid		Sussana (Chp-9.9)
	Self-Study	5	Bayes' Theorem	THT			Sussana (Chp-9.9)
	26	5	Activity on Unit 5				
	27	3	Functions- Definition and Introduction	Video	Power-point, Droid		Sussana (Chp-7.1)

10	28	3	One-One, Onto and Inverse Function	Poll	Power-point, Droid		Sussana (Chp-7.2)
	Self-Study	3	Composite Function	THT			Sussana (Chp-7.3)
	29	4	Relations on Sets	Viva	Power-point, Droid		Sussana (Chp-8.1)
	30	4	Reflexivity, Symmetry Relations	Viva	Power-point, Droid		Sussana (Chp-8.2)
11	31	4	Transitivity, Equivalence Relations	Quiz	Power-point, Droid		Sussana (Chp-8.3)
	32	4	Graph Theory- Definitions and Basic Properties	Video	Power-point, Droid		Sussana (Chp-10.1, 10.2)
	33	4	Matrix Representations of Graphs	Viva	Power-point, Droid		Sussana (Chp-10.3)
12	34	4	Isomorphism's of Graphs	Viva	Power-point, Droid		Sussana (Chp-10.4)
	35	4	Euler's and Hamiltonian Graph	Quiz	Power-point, Droid		Sussana (Chp-10.5)
	Self-Study	4	Spanning trees	THT			Sussana (Chp-10.7)
	Self-Study	4	Shortest paths	THT			Sussana (Chp-10.7)
	36	4	Activity/ Viva on Unit 4				
13	37	3	Sequences	Poll, viva	Power-point, Droid		Sussana (Chp-5.1)
	38	3	Sequences	Video	Power-point, Droid		Sussana (Chp-5.1)

Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Group, Vidyalankar  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027





	39	3	Mathematical Induction I	THT	Power-point, Droid		Sussana (Chp-5.2, 5.3)
14	40	3	Activity on Unit 3				

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
75% Attendance, Active Participation – 10 Marks	1	-	Practical Submission (100 Marks) scaled to 20 Marks, Practical Assessment #1 – 10 Marks, Final Practical Exam (Case Study presentation + Viva) – 20 Marks			IA 1 (Descriptive) - 20 Marks, IA 2 (MCQ + Viva) – 20 Marks  Scaled to 15 Marks		75

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Set Theory and Logic of Compound statements	1, 2	7 <sup>th</sup> week	8 <sup>th</sup> week
2	Counting and Probability	5	9 <sup>th</sup> week	10 <sup>th</sup> week
3	Relations, Graphs and Trees	3, 4	13 <sup>th</sup> week	14 <sup>th</sup> week

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	7	✓			1,2	✓	✓		✓	
2	9			✓	5	✓	✓		✓	✓
3	13	✓			3,4	✓	✓		✓	✓

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8.

**Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details**

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	Week 6	1,2		IA 1 (Descriptive)- 20 Marks (Scaled to 7.5)	No IA Re-test
2 <sup>nd</sup> IA Test	Week 12	NA		IA 2 (20 MCQs + Viva)- 20 Marks (Scaled to 7.5)	IA is a Head of passing *
Pop Quiz	Week 5	2			
Open Book Test	Week 9	5			
Take Home Test	Week 12	4			

\* IA failures will have to appear for re-test in next semester

## 9.a

**Practical Activities – Regular Experiments**

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Set Theory	Use in Discrete Signal Analysis	1	
2	2	Functions and Algorithms	Mathematical operations and evaluation of polynomials	2	
3	5	Counting	Find possible number of ways a new object can be developed from an existing one.	5	
4	5	Probability Theory	Calculation of the possibility for the occurrence of any particular event.	5	
5	2	Properties of integers	Use of prime numbers and divisibility property in cryptography.	2	
6	2	Algebraic Systems	Difference between LCM and GCD	2	
7	--	Matrices and Vectors	Way to store multiple data of similar type in one shell	--	

			and operating each data simultaneously. Understand the direction or the orientation sample.		
8	4	Graph Theory	Understand complex network diagrammatically and find the shortest path.	4	
9	3	Recurrence relations	Understanding the method to call a function within a function.	3	

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1					

## 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Bridge Course on 'Basics of Discrete Mathematics'
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	
4		Mini Projects	
5		Pop Quiz	5 <sup>th</sup> week on module 2(Multiple choice questions)
6		Mobile App Based Quiz	
7		Open Book Test	9 <sup>th</sup> week(module 5)
8		Take Home Test	12 <sup>th</sup> week(module 4)
9	Collaborative and Group Activity	Poster Presentation	
10		Minute Papers	
11		Students Seminar	Seminar on Self Study topics
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Scilab Spoken Tutorial course by IIT Bombay
16		Value Added Courses	
17		Lecture Capture Usage	Yes

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1: Mr. Prabal Deep Das

Faculty 2: Ms. Maitreyi Joglekar

External Industry Mentor (Sign.)



External Academic Mentor (Sign.)

VSIT Cluster Mentor Name: Mr. Umesh koyande

Head of Dept. (Sign.)



**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e-books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a**

**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Concepts related to Integration, Differentiation and the differences between them.
Affective	What do you want students to think / care about?	Methods to be applied for finding area, volume or slope of any function
Behavioural	What do you want students to be able to do?	Use Integral and derivatives as a mathematical tool for analysing any functions created during case studies due to regressions or similar statistics.

**1.b**

**Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Quickly find the derivative of a function.	Unit 1, 3 and 5
CO2	Perform integration of any functions.	Unit 2, 3 and 4
CO3	Apply the knowledge of derivatives and integration to different domains and obtain the results.	Unit 3
CO4	Apply the knowledge of multiple integrals and polar coordinates to solve real life problems with ease.	Unit 4
CO5	Use partial derivatives and differential equations to solve variety of problems.	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category	✓						

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USDS205	Calculus	75	50	--	2	2	--	4

Subject Code	Subject Name		Examination Scheme							
		Theory Marks IA Test				End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Total of IA1 and IA2	Active Participation					
USDS205	Calculus	30 (Scaled to 7.5)	30 (Scaled to 7.5)	15	10	75	25	50		150

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>Div A</b>	3	N.A.	N.A.	N.A.	N.A.	1.5	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
Div A		3:00 pm – 4:00 pm	MS Teams

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Continuity and Derivatives; Differentiation rules:	8hrs	20
2	Integrals	8hrs	20
3	Applications of differentiation and integration	8hrs	20
4	Parametric Equations and Polar Coordinates; Multiple Integrals	8hrs	20
5	Partial Derivatives and Differential Equations	8hrs	20
* Insert rows for more modules in the Course		Total	40 hrs
			100%

**2.b Prerequisite Courses**

Sr. No.	Semester	Name of the Course	Topic/s
1	XII	Mathematics	Integration, Differentiation, Application of Integrals and derivatives

**2.c Relevance to Future Courses**

Sr. No.	Semester	Name of the Course
1	B.Sc. DS Sem IV	Numerical Methods
2	B.Sc. DS Sem V	Artificial Intelligence
3	B.Sc. DS Sem VI	Machine Learning

**2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

Sr. No.	Real Life Application Mapping with the Course
1	Wireless communication (Mobile, Wi-Fi)
2	Function analysis

### 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target -May 2022
Course Passing % – Average of 6 Divisions	95%
Marks Obtained by Course Topper (marks/100)	90

Division A		
Year	Initials of Teacher	% Result
May 2022	PD	--

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
--	--	--

### 4 All the Learning Resources – Books and E-Resources

#### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Calculus–Early Transcendentals	James Stewart	Thompson	6 <sup>th</sup>	1-5

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Calculus–Early Transcendentals	James Stewart	Thompson	6 <sup>th</sup>	1-5
2	Calculus and Analytical Geometry	George B. Thomas Jr., Ross L. Finney Maurice D. Weir	Addision Wesley Publishing Company	--	1-5
3	Schaum's 3000 Solved Problems in Calculus	Elliot Mendelson	Tata McGraw Hill	--	1-5
4	The Advanced Calculus Problem Solver	Staff of Research & Education Association	Research & Education Association	--	1-5
5	Calculus Made easy	Silvanus P. Thompson, Martin Gardner	Palgrave	--	1-5



#### 4.c List of E – Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Calculus for Engineering Mathematics <a href="https://drive.google.com/file/d/0B2D2V15_6vK1T0RUZS1Kd0Jya3c/view?resourcekey=0-FFOf1_BfAG6rMtgV30rBgw">https://drive.google.com/file/d/0B2D2V15_6vK1T0RUZS1Kd0Jya3c/view?resourcekey=0-FFOf1_BfAG6rMtgV30rBgw</a>	--	Handwritten Notes	-	1, 2, 4, 5
2	Calculus <a href="https://ocw.mit.edu/ans7870/resources/Strang/Edited/Calculus/Calculus.pdf">https://ocw.mit.edu/ans7870/resources/Strang/Edited/Calculus/Calculus.pdf</a>	Gilbert Strong	MIT, Massachusetts	-	1-5

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="https://www.researchgate.net/publication/281611978_Using_Technology_in_Learning_Integral_Calculus">https://www.researchgate.net/publication/281611978_Using_Technology_in_Learning_Integral_Calculus</a> Using Technology in Learning Integral Calculus	<a href="https://www.tandfonline.com/doi/abs/10.1080/0025570X.1999.11996728">https://www.tandfonline.com/doi/abs/10.1080/0025570X.1999.11996728</a> Mathematics Magazine	1-5
2	<a href="https://www.researchgate.net/publication/299746102_Early_Basic_Foundations_of_Modern_Integral_Calculus">https://www.researchgate.net/publication/299746102_Early_Basic_Foundations_of_Modern_Integral_Calculus</a> Early Basic Foundations of Modern Integral Calculus	<a href="https://calteches.library.caltech.edu/4007/1/Calculus.pdf">https://calteches.library.caltech.edu/4007/1/Calculus.pdf</a> A Visual Approach to Calculus Problems	4
3	<a href="https://www.technoarete.org/common_abstract/pdf/IJSEM/v4/i11/Ext_80165.pdf">https://www.technoarete.org/common_abstract/pdf/IJSEM/v4/i11/Ext_80165.pdf</a> Applications of Integral Calculus in Engineering	<a href="https://ieeexplore.ieee.org/document/8158638">https://ieeexplore.ieee.org/document/8158638</a> Differential Calculus: Concepts and Notation	2-3

#### 4.e Module Best Available in – Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - ✓						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals		Y	N	
	Text	Reference	E- Book		Regular	E- Journal			
1	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 1, 2 and 3)
2	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 5 and 7)
3	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 4 and 6)
4	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 10 and 14)
5	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 8 and 13)

**4.f****Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos**

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Limits ( <a href="https://www.youtube.com/watch?v=q76Yl4sQm_g">https://www.youtube.com/watch?v=q76Yl4sQm_g</a> )	Pre-requisite
2	Differentiation ( <a href="https://www.youtube.com/watch?v=URvh5GOgzQ0">https://www.youtube.com/watch?v=URvh5GOgzQ0</a> )	1
3	Function and Continuity ( <a href="https://www.youtube.com/watch?v=OO4ng1vn-Qw">https://www.youtube.com/watch?v=OO4ng1vn-Qw</a> )	1
4	Integration ( <a href="https://www.youtube.com/watch?v=XN7zbKXXaDk">https://www.youtube.com/watch?v=XN7zbKXXaDk</a> )	2
5	Application of derivatives ( <a href="https://www.youtube.com/watch?v=WdU5Q3KoCZc&amp;list=PLr6TOxpiWwuGexea6tmmd-oonqWyRZ3x2">https://www.youtube.com/watch?v=WdU5Q3KoCZc&amp;list=PLr6TOxpiWwuGexea6tmmd-oonqWyRZ3x2</a> )	3
6	Application of integrals ( <a href="https://www.youtube.com/watch?v=zW_ga4nemro">https://www.youtube.com/watch?v=zW_ga4nemro</a> )	3
7	Double Integration ( <a href="https://www.youtube.com/watch?v=H7FRQj5ro50">https://www.youtube.com/watch?v=H7FRQj5ro50</a> )	4
8	Triple Integration ( <a href="https://www.youtube.com/watch?v=mlpQYY3uzT4">https://www.youtube.com/watch?v=mlpQYY3uzT4</a> )	4
9	Partial Differentiation ( <a href="https://www.youtube.com/watch?v=pHVTZHOqyys">https://www.youtube.com/watch?v=pHVTZHOqyys</a> )	5

**4.g****Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.**

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://onlinecourses.nptel.ac.in/noc22_ma13/preview">https://onlinecourses.nptel.ac.in/noc22_ma13/preview</a> Basic Calculus	NPTEL	12 Weeks	Y (Paid)
2	<a href="https://www.edx.org/course/calculus-applied">https://www.edx.org/course/calculus-applied</a> Calculus-Applied	Edx	4 – 6 hours per week	Y
3	<a href="https://www.coursera.org/learn/introduction-to-calculus?aid=true">https://www.coursera.org/learn/introduction-to-calculus?aid=true</a> Introduction to Calculus	Coursera	5 weeks	Y

**4.h****Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	--	--	--	--

**4.i****Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	--	✓	--	Practice Questions

## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	31/01/2022	30/04/2022	14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1		Induction and Introduction	Poll	Power-Point		
	2	1	Limits at Infinity	Viva	Power-Point, Droid		Calculus- Early Transcendental (Pg- 89)
	3	1	The Derivative as a Function	Poll	Power-Point, Droid		Calculus- Early Transcendental (Pg- 143)
2	Self Study	1	Derivatives of Polynomials and Exponential Functions				
	4	1	The Product and Quotient Rules	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 163)
	5	1	The Chain Rule	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 174)
	6	1	Related Rates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 204)
3	7	1	Class Test and Revision		Power-Point, Droid		
	8	2	The Definite Integral	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 353)
	Self Study	2	The Fundamental Theorem of Calculus				Calculus- Early Transcendental (Pg- 362)
	9	2	Indefinite Integrals	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 322)

4	10	2	The Substitution Rule	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-332)
	11	2	Integration by Parts	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-491)
	12	2	Trigonometric Integrals, Trigonometric Substitution	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-500 & 508)
5	13	2	Integration of Rational Functions by Partial Fractions	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-514)
	14	2	Improper Integrals	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-547)
	15	2	Revision		Power-Point, Droid		
6	16	3	Maximum and Minimum Values	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-266)
	17	3	Mean Value Theorem	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-302)
	18	3	, Indeterminate Forms and L'Hospital's Rule	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-219)
7	19	3	Areas between Curves	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-413)
	20	3	Arc Length	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-438)
	21	3	Area of a Surface of Revolution	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-444)
8	Self Study	3	Volumes by Cylindrical Shells				Calculus- Early Transcendental (Pg-432)
	22	3	Revision	Viva, THT	Power-Point, Droid		
	Self Study	4	Calculus with Parametric Curves				Calculus- Early Transcendental (Pg-692)
	23	4	Areas and Lengths in Polar Coordinates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-705)
	24	4	Areas and Lengths in Polar Coordinates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-705)
9	25	4	Conic Sections in Polar Coordinate	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-754)
	26	4	Double Integrals over Rectangles	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-1000)

	27	4	Double Integrals in Polar Coordinates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-1018)
10	28	4	Triple Integrals in Cylindrical Coordinates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-1048)
	29	4	Change of Variables in Multiple Integral	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-1058)
	30	4	Revision	Viva, THT	Power-Point, Droid		
11	31	5	Partial Derivatives	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-906)
	32	5	The Chain Rule	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-949)
	33	5	Tangent Planes and Linear Approximations	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-971)
12	34	5	Lagrange Multipliers	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-989)
	35	5	Modelling with Differential Equations	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-561)
	36	5	Direction Fields and Euler's Method	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-579)
13	37	5	Separable Equations	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-568)
	Self Study	5	Models for Population Growth, Linear Equations, Predator-Prey Systems.				
	38		Revision		Power-Point, Droid		
	39		Open Book Test		Quiz		
	40		Class Assessment Test		Quiz		
14							

## 6.

### Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
Active Participation (10)	3 Assignments	-	Practical Submission (100 Scaled down to 20) Practical Assessment – 20 Final Practical/ Tutorial Exam – 20 marks		5 Test on Each Unit	20(IA)	N.A	30

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Differentiation	1	3 <sup>rd</sup> Week	4 <sup>th</sup> Week
2	Integration	2	6 <sup>th</sup> Week	7 <sup>th</sup> Week
3	Area of a curve	3	8 <sup>th</sup> Week	9 <sup>th</sup> Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1	✓	✓			✓
2	6	✓			2	✓	✓			✓
3	8	✓			5	✓	✓			✓

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	6 <sup>th</sup> Week	2,3	2,3	IA 1 (MCQ)20 Marks(Scaled to 7.5)	No IA Re-test
2 <sup>nd</sup> IA Test	12 <sup>th</sup> Week	4,5	4,5	IA 2(MCQ) 20 marks(Scaled to 7.5)	IA is a Head of passing *
Pop Quiz	14 <sup>th</sup> Week	1	1	N.A	N.A
Open Book Quiz	14 <sup>th</sup> Week	4	4	Quiz (MCQ)	N.A
Take Home Test	After every Lecture	1 to 5	1 to 5	N.A	N.A
Practical's/ Prelims					
Class Test/ Prelims	Week 3,6,8,12 & 14	1 to 5	1 to 5		
Any Other Test/ Exams					

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1					

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyasagar Marg, Vidyasagar  
 Educational Campus, Vidyasagar (E)  
 Mumbai - 400 027



## 10. Beyond Syllabus Activities for Gap Mitigation

Sr. No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Module 1, 2, 3, 4, 5
4		Mini Projects	
5		Pop Quiz	
6		Mobile App Based Quiz	Module 3
7		Open Book Test	Module 4
8		Take Home Test	Module 1, 2, 3, 4, 5
9	Collaborative and Group Activity	Poster Presentation	✓
10		Minute Papers	
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	✓
16		Value Added Courses	
17		Lecture Capture Usage	✓

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1: Mr. Prabal Deep Das

External Industry Mentor



External Academic Mentor

VSIT Cluster Mentor Name: Mr. Umesh Koyande

Head of Dept. (Sign.)



**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Concepts related to Integration, Differentiation and the differences between them.
Affective	What do you want students to think / care about?	Methods to be applied for finding area, volume or slope of any function
Behavioural	What do you want students to be able to do?	Use Integral and derivatives as a mathematical tool for analysing any functions created during case studies due to regressions or similar statistics.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Quickly find the derivative of a function.	Unit 1, 3 and 5
CO2	Perform integration of any functions.	Unit 2, 3 and 4
CO3	Apply the knowledge of derivatives and integration to different domains and obtain the results.	Unit 3
CO4	Apply the knowledge of multiple integrals and polar coordinates to solve real life problems with ease.	Unit 4
CO5	Use partial derivatives and differential equations to solve variety of problems.	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '–': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '–':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category	✓						

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USDS205	Calculus	75	50	--	2	2	--	4

Subject Code	Subject Name		Examination Scheme							
		Theory Marks IA Test				End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Total of IA1 and IA2	Active Participation					
USDS205	Calculus	30 (Scaled to 7.5)	30 (Scaled to 7.5)	15	10	75	25	50		150

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>Div A</b>	3	N.A.	N.A.	N.A.	N.A.	1.5	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
Div A		3:00 pm – 4:00 pm	MS Teams

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Continuity and Derivatives; Differentiation rules:	8hrs	20
2	Integrals	8hrs	20
3	Applications of differentiation and integration	8hrs	20
4	Parametric Equations and Polar Coordinates; Multiple Integrals	8hrs	20
5	Partial Derivatives and Differential Equations	8hrs	20
* Insert rows for more modules in the Course		Total	40 hrs
			100%

**2.b Prerequisite Courses**

Sr. No.	Semester	Name of the Course	Topic/s
1	XII	Mathematics	Integration, Differentiation, Application of Integrals and derivatives

**2.c Relevance to Future Courses**

Sr. No.	Semester	Name of the Course
1	B.Sc. DS Sem IV	Numerical Methods
2	B.Sc. DS Sem V	Artificial Intelligence
3	B.Sc. DS Sem VI	Machine Learning

**2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

Sr. No.	Real Life Application Mapping with the Course
1	Wireless communication (Mobile, Wi-Fi)
2	Function analysis

### 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target -May 2022
Course Passing % – Average of 6 Divisions	95%
Marks Obtained by Course Topper (marks/100)	90

Division A		
Year	Initials of Teacher	% Result
May 2022	PD	--

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
--	--	--

### 4 All the Learning Resources – Books and E-Resources

#### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Calculus–Early Transcendentals	James Stewart	Thompson	6 <sup>th</sup>	1-5

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Calculus–Early Transcendentals	James Stewart	Thompson	6 <sup>th</sup>	1-5
2	Calculus and Analytical Geometry	George B. Thomas Jr., Ross L. Finney Maurice D. Weir	Addision Wesley Publishing Company	--	1-5
3	Schaum's 3000 Solved Problems in Calculus	Elliot Mendelson	Tata McGraw Hill	--	1-5
4	The Advanced Calculus Problem Solver	Staff of Research & Education Association	Research & Education Association	--	1-5
5	Calculus Made easy	Silvanus P. Thompson, Martin Gardner	Palgrave	--	1-5

#### 4.c List of E – Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Calculus for Engineering Mathematics <a href="https://drive.google.com/file/d/0B2D2V15_6vK1T0RUZS1Kd0Jya3c/view?resourcekey=0-FFOf1_BfAG6rMtgV30rBgw">https://drive.google.com/file/d/0B2D2V15_6vK1T0RUZS1Kd0Jya3c/view?resourcekey=0-FFOf1_BfAG6rMtgV30rBgw</a>	--	Handwritten Notes	-	1, 2, 4, 5
2	Calculus <a href="https://ocw.mit.edu/ans7870/resources/Strang/Edited/Calculus/Calculus.pdf">https://ocw.mit.edu/ans7870/resources/Strang/Edited/Calculus/Calculus.pdf</a>	Gilbert Strong	MIT, Massachusetts	-	1-5

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="https://www.researchgate.net/publication/281611978_Using_Technology_in_Learning_Integral_Calculus">https://www.researchgate.net/publication/281611978_Using_Technology_in_Learning_Integral_Calculus</a> Using Technology in Learning Integral Calculus	<a href="https://www.tandfonline.com/doi/abs/10.1080/0025570X.1999.11996728">https://www.tandfonline.com/doi/abs/10.1080/0025570X.1999.11996728</a> Mathematics Magazine	1-5
2	<a href="https://www.researchgate.net/publication/299746102_Early_Basic_Foundations_of_Modern_Integral_Calculus">https://www.researchgate.net/publication/299746102_Early_Basic_Foundations_of_Modern_Integral_Calculus</a> Early Basic Foundations of Modern Integral Calculus	<a href="https://calteches.library.caltech.edu/4007/1/Calculus.pdf">https://calteches.library.caltech.edu/4007/1/Calculus.pdf</a> A Visual Approach to Calculus Problems	4
3	<a href="https://www.technoarete.org/common_abstract/pdf/IJSEM/v4/i11/Ext_80165.pdf">https://www.technoarete.org/common_abstract/pdf/IJSEM/v4/i11/Ext_80165.pdf</a> Applications of Integral Calculus in Engineering	<a href="https://ieeexplore.ieee.org/document/8158638">https://ieeexplore.ieee.org/document/8158638</a> Differential Calculus: Concepts and Notation	2-3

#### 4.e Module Best Available in – Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - ✓						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals		Y	N	
	Text	Reference	E- Book		Regular	E- Journal			
1	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 1, 2 and 3)
2	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 5 and 7)
3	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 4 and 6)
4	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 10 and 14)
5	✓		✓					✓	Calculus–Early Transcendentals (Chapter- 8 and 13)

#### 4.f

### Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Limits ( <a href="https://www.youtube.com/watch?v=q76Yl4sQm_g">https://www.youtube.com/watch?v=q76Yl4sQm_g</a> )	Pre-requisite
2	Differentiation ( <a href="https://www.youtube.com/watch?v=URvh5GOgzQ0">https://www.youtube.com/watch?v=URvh5GOgzQ0</a> )	1
3	Function and Continuity ( <a href="https://www.youtube.com/watch?v=QO4ng1vn-Qw">https://www.youtube.com/watch?v=QO4ng1vn-Qw</a> )	1
4	Integration ( <a href="https://www.youtube.com/watch?v=XN7zbKXXaDk">https://www.youtube.com/watch?v=XN7zbKXXaDk</a> )	2
5	Application of derivatives ( <a href="https://www.youtube.com/watch?v=WdU5Q3KoCZc&amp;list=PLr6TOxpiWwuGexea6tmmd-oongWyRZ3x2">https://www.youtube.com/watch?v=WdU5Q3KoCZc&amp;list=PLr6TOxpiWwuGexea6tmmd-oongWyRZ3x2</a> )	3
6	Application of integrals ( <a href="https://www.youtube.com/watch?v=zW_ga4nemro">https://www.youtube.com/watch?v=zW_ga4nemro</a> )	3
7	Double Integration ( <a href="https://www.youtube.com/watch?v=H7FRQj5ro50">https://www.youtube.com/watch?v=H7FRQj5ro50</a> )	4
8	Triple Integration ( <a href="https://www.youtube.com/watch?v=mlpQYY3uzT4">https://www.youtube.com/watch?v=mlpQYY3uzT4</a> )	4
9	Partial Differentiation ( <a href="https://www.youtube.com/watch?v=pHVTZHOqyys">https://www.youtube.com/watch?v=pHVTZHOqyys</a> )	5

#### 4.g

### Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://onlinecourses.nptel.ac.in/noc22_ma13/preview">https://onlinecourses.nptel.ac.in/noc22_ma13/preview</a> Basic Calculus	NPTEL	12 Weeks	Y (Paid)
2	<a href="https://www.edx.org/course/calculus-applied">https://www.edx.org/course/calculus-applied</a> Calculus-Applied	Edx	4 – 6 hours per week	Y
3	<a href="https://www.coursera.org/learn/introduction-to-calculus?aid=true">https://www.coursera.org/learn/introduction-to-calculus?aid=true</a> Introduction to Calculus	Coursera	5 weeks	Y

#### 4.h

### Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	--	--	--	--

#### 4.i

### Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	--	✓	--	Practice Questions

## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	31/01/2022	30/04/2022	14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted (Quiz, Poll, Viva, Student Presentation, THT, any other)	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1		Induction and Introduction	Poll	Power-Point		
	2	1	Limits at Infinity	Viva	Power-Point, Droid		Calculus- Early Transcendental (Pg- 89)
	3	1	The Derivative as a Function	Poll	Power-Point, Droid		Calculus- Early Transcendental (Pg- 143)
2	Self Study	1	Derivatives of Polynomials and Exponential Functions				
	4	1	The Product and Quotient Rules	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 163)
	5	1	The Chain Rule	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 174)
	6	1	Related Rates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 204)
3	7	1	Class Test and Revision		Power-Point, Droid		
	8	2	The Definite Integral	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 353)
	Self Study	2	The Fundamental Theorem of Calculus				Calculus- Early Transcendental (Pg- 362)
	9	2	Indefinite Integrals	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 322)

4	10	2	The Substitution Rule	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 332)
	11	2	Integration by Parts	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 491)
	12	2	Trigonometric Integrals, Trigonometric Substitution	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 500 & 508)
5	13	2	Integration of Rational Functions by Partial Fractions	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 514)
	14	2	Improper Integrals	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 547)
	15	2	Revision		Power-Point, Droid		
6	16	3	Maximum and Minimum Values	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 266)
	17	3	Mean Value Theorem	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 302)
	18	3	, Indeterminate Forms and L'Hospital's Rule	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 219)
7	19	3	Areas between Curves	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 413)
	20	3	Arc Length	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 438)
	21	3	Area of a Surface of Revolution	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 444)
8	Self Study	3	Volumes by Cylindrical Shells				Calculus- Early Transcendental (Pg- 432)
	22	3	Revision	Viva, THT	Power-Point, Droid		
	Self Study	4	Calculus with Parametric Curves				Calculus- Early Transcendental (Pg- 692)
	23	4	Areas and Lengths in Polar Coordinates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 705)
	24	4	Areas and Lengths in Polar Coordinates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 705)
9	25	4	Conic Sections in Polar Coordinate	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 754)
	26	4	Double Integrals over Rectangles	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg- 1000)



	27	4	Double Integrals in Polar Coordinates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-1018)
10	28	4	Triple Integrals in Cylindrical Coordinates	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-1048)
	29	4	Change of Variables in Multiple Integral	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-1058)
	30	4	Revision	Viva, THT	Power-Point, Droid		
11	31	5	Partial Derivatives	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-906)
	32	5	The Chain Rule	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-949)
	33	5	Tangent Planes and Linear Approximations	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-971)
12	34	5	Lagrange Multipliers	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-989)
	35	5	Modelling with Differential Equations	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-561)
	36	5	Direction Fields and Euler's Method	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-579)
13	37	5	Separable Equations	Viva, THT	Power-Point, Droid		Calculus- Early Transcendental (Pg-568)
	Self Study	5	Models for Population Growth, Linear Equations, Predator-Prey Systems.				
	38		Revision		Power-Point, Droid		
	39		Open Book Test		Quiz		
	40		Class Assessment Test		Quiz		

6.

#### Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
Active Participation (10)	3 Assignments	-	Practical Submission (100 Scaled down to 20) Practical Assessment – 20 Final Practical/ Tutorial Exam – 20 marks		5 Test on Each Unit	20(IA)	N.A	30

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Differentiation	1	3 <sup>rd</sup> Week	4 <sup>th</sup> Week
2	Integration	2	6 <sup>th</sup> Week	7 <sup>th</sup> Week
3	Area of a curve	3	8 <sup>th</sup> Week	9 <sup>th</sup> Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1	✓	✓			✓
2	6	✓			2	✓	✓			✓
3	8	✓			5	✓	✓			✓

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	6 <sup>th</sup> Week	2,3	2,3	IA 1 (MCQ)20 Marks(Scaled to 7.5)	No IA Re-test IA is a Head of passing *
2 <sup>nd</sup> IA Test	12 <sup>th</sup> Week	4,5	4,5	IA 2(MCQ) 20 marks(Scaled to 7.5)	
Pop Quiz	14 <sup>th</sup> Week	1	1	N.A	N.A
Open Book Quiz	14 <sup>th</sup> Week	4	4	Quiz (MCQ)	N.A
Take Home Test	After every Lecture	1 to 5	1 to 5	N.A	N.A
Practical's/ Prelims					
Class Test/ Prelims	Week 3,6,8,12 & 14	1 to 5	1 to 5		
Any Other Test/ Exams					

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

  
 Principal  
 VIDYALAKSHMI SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalakshmi Marg, Vidyalakshmi  
 Educational Campus, Vasda (E)  
 Mumbai - 400 027



## 10. Beyond Syllabus Activities for Gap Mitigation

Sr. No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Module 1, 2, 3, 4, 5
4		Mini Projects	
5		Pop Quiz	
6		Mobile App Based Quiz	Module 3
7		Open Book Test	Module 4
8		Take Home Test	Module 1, 2, 3, 4, 5
9	Collaborative and Group Activity	Poster Presentation	✓
10		Minute Papers	
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	✓
16		Value Added Courses	
17		Lecture Capture Usage	✓

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1: Mr. Prabal Deep Das

External Industry Mentor



VSIT Cluster Mentor Name: Mr. Umesh Koyande

External Academic Mentor

Head of Dept. (Sign.)

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalandar Marg, Vidyalandar  
 Educational Campus, Vidyalandar (E)  
 Mumbai - 400 027



**Version 2022-1**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	<del>Watch former lectures captured in LMS at VSIT</del>

**1.a**

**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To know about concept of the DBMS with respect to principles, design, and implementation of DBMS.
Affective	What do you want students to think / care about?	To think about the fundamentals of creation, manipulation and querying of data in databases.
Behavioural	What do you want students to be able to do?	To be able to understand the functional and data requirements of database application and should be able to perform different queries with the database to get the desired results.

**1.b**

**Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To understand about fundamentals of database, DBMS Architecture, various types of Data Model.	Unit 1
CO2	To learn about the various concepts of Advanced Data Modelling and process of Normalization of Database tables.	Unit 2
CO3	To be able to create, manipulate, query and back up the databases with features of SQL.	Unit 3
CO4	To be able to understand the concept of database design and concepts of Advanced SQL.	Unit 4
CO5	To understand about Transaction Management Concurrency Control, Database Performance Tuning, Query Optimization, and the role of Database Administration.	Unit 5

**1.c**

**Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

#### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

#### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		✓					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USDS202	Database Management	75	50	--	2	2	--	4

Subject Code	Subject Name		Examination Scheme							
		Theory Marks IA Test				End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Average of IA1 and IA2	Active Participation					
USDS202	Database Management	30 (Scaled to 7.5)	30 (Scaled to 7.5)	15	10	75	25	50		150

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
A	3	1.50	N.A	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

#### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Tuesday	3:00 pm – 4:00 pm	Reading Room/ MS Teams
<b>2.a</b>	<b>Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper</b>		

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction & DBMS Architecture Data Models, Entity Relationship Model	10	20
2	Advanced Data Modelling, Normalization of Database Tables:	6	20
3	Structured Query Language (SQL)	5	20
4	Advanced SQL: Database Design	7	20
5	Transaction Management and Concurrency Control: Database Performance Tuning and Query Optimization: Database Administration and Security	12	20
* Insert rows for more modules in the Course <b>Total</b>		<b>40</b>	<b>100</b>

## **2.b Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	12 <sup>th</sup>	IT	Introduction
2	1	Web Technology	Tables, Database

## **2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	3	Data warehousing

## **2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	Social Media sites - Social media accounts like Facebook, twitter, Pinterest and Google plus in this all the information of users is stored and how we become able to connect to other people, yes this all because DBMS.
2	Military -Military keeps records of millions of soldier's files that should be secured and safe. DBMS provides a big security assurance to the military information, so it is widely used in militaries.
3	Finance - DBMS helps in Storing sales, holding information and finance statement management
4	Telecommunications- Telecommunication company cannot even think about their business without DBMS. DBMS is must for these companies to store the call details and monthly postpaid bills
5	Human Resource Management- Human resource management department keeps records of each employee's salary, tax and work through DBMS.

**3 Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target -May 2022	Apr 2021	Apr 2020	Apr 2019
Course Passing %	95	NA	NA	NA
Marks Obtained by Course Topper (mark/100)	100	NA	NA	NA

Division A		
Year	Initials of Teacher	% Result
Apr 2021	NA	NA

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future

**4 All the Learning Resources – Books and E-Resources****4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students**

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Fundamentals of Database Systems	Elmsari Ramez and Navathe Shamkant B	Pearson	Sixth	1-5
2	Database System Concepts	A Silberschatz, H Korth, S Sudarshan	McGraw-Hill	Fifth	1-5
3	Database Management Systems	Raghu Ramakrishnan, Johannes Gehrke	McGraw Hill Publication		1-5
4	Murach's MySQL	Joel Murach	Murach		1-5

**4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students**

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Programming with PL/SQL for Beginners	H. Dand, R. Patil and T. Sambare	X –Team	First	1-4
2	Introduction to Database System	C.J.Date	Pearson	First	1-4
3	SQL ,PL/SQL	Ivan Bayross	BPB	Fourth	5

**4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students**

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	"Database Systems, Concepts, Design and Applications".	S.K.Singh,	Pearson Education		All
2	Database System Concepts	A Silberschatz, H Korth, S Sudarshan	McGraw-Hill	5 <sup>th</sup> Edition	All



3	"Fundamentals of Database Systems"	Elmsari, Navathe	Pearson Education (2008).	6th Edition	All
4	"The Database Systems – The Complete Book"	H G Molina,D Ullam	J. Widom Pearson		All

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	International Journal on Data Base Management Systems <a href="http://airccse.org/journal/ijdms/ijdms.html">http://airccse.org/journal/ijdms/ijdms.html</a>	Introduction to Databases By Dixon Kimani <a href="https://www.techopedia.com/6/28832/enterprise/databases/introduction-to-databases">https://www.techopedia.com/6/28832/enterprise/databases/introduction-to-databases</a>	1,2
2	Journal on Database Management System <a href="https://www.managementstudyguide.com/data-base-management-system-articles.htm">https://www.managementstudyguide.com/data-base-management-system-articles.htm</a>	Operational Database Management Systems <a href="http://www.odbms.org/odmg-standard/reading-room/magazines/">http://www.odbms.org/odmg-standard/reading-room/magazines/</a>	4
3	Database journal the knowledge center for Database Professionals <a href="https://www.databasejournal.com/">https://www.databasejournal.com/</a>	MySQL, SQL Server, MS Access, Oracle, Sybase, Informix, Postgres, and other database systems <a href="https://www.w3schools.com/sql/default.asp">https://www.w3schools.com/sql/default.asp</a>	1-5
4	OXFORD Academic -Database The journal of Biological Databases and Curation <a href="https://academic.oup.com/DATABASE/">https://academic.oup.com/DATABASE/</a>		2

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1	✓	✓					Y		Database System and Concepts A Silberschatz, H Korth, S Sudarshan McGraw-Hill Page No. 1 to 15 and 259 to 304 DataBase System Rob,coronel Page No. 9,13,23 to 39 and 119-149
2	✓	✓					Y		Database System and Concepts A Silberschatz, H Korth, S Sudarshan McGraw-Hill Page No. 39 to 48 and 217 to 245 DataBase System Rob,coronel Page No. 176-188
3	✓	✓					Y		Database System and Concepts A Silberschatz, H Korth, S Sudarshan McGraw-Hill Page No. 57 to 98 and 157 to 180 DataBase System Rob,coronel Page No. 210-258

4	✓	✓		✓			Y	Database System and Concepts A Silberschatz, H Korth, S Sudarshan McGraw-Hill Page No. 627to 641and661, 681 DataBase System Rob,coronel Page No. 460-475
5	✓	✓					Y	Database System and Concepts A Silberschatz, H Korth, S Sudarshan McGraw-Hill Page No. 5 157 to 180 DataBase System Rob,coronel Page No. 266-278 SQL,PL/SQL Ivan Bayross Page No 338-433

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/NPTEL Videos

No.	Websites / Links	Module Nos.
1	Data abstraction in DBMS <a href="https://www.youtube.com/watch?v=5fs1ld06B5c&amp;t=2s">https://www.youtube.com/watch?v=5fs1ld06B5c&amp;t=2s</a>	1-5
2	Basic concept of NORMALIZATION <a href="https://www.youtube.com/watch?v=oYlHRgBDfNc">https://www.youtube.com/watch?v=oYlHRgBDfNc</a>	1-5
3	Conflict Serializability <a href="https://www.youtube.com/watch?v=zv0ba0lok1Y">https://www.youtube.com/watch?v=zv0ba0lok1Y</a>	1-5
4	Many to many relationships <a href="https://www.youtube.com/watch?v=onR_sLhbZ4w&amp;list=PLxCzCOWd7aiFAN6I8CuViBuCdJgiOKT2Y&amp;index=18">https://www.youtube.com/watch?v=onR_sLhbZ4w&amp;list=PLxCzCOWd7aiFAN6I8CuViBuCdJgiOKT2Y&amp;index=18</a>	1-5

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Spoken Tutorial – RDBMS	IIT, Bombay	25 Hrs.	Y
2	Database and SQL for Data Science <a href="https://www.coursera.org/learn/sql-data-science#syllabus">https://www.coursera.org/learn/sql-data-science#syllabus</a>	Coursera - IBM	4 Weeks- 14 Hours	Y
3	Introduction to Database and SQL Querying <a href="https://www.udemy.com/introduction-to-databases-and-sql-querying/">https://www.udemy.com/introduction-to-databases-and-sql-querying/</a>	<a href="https://www.udemy.com">www.udemy.com</a>	2.5 Hrs	Y
4	SQL for Data Science <a href="https://www.coursera.org/learn/sql-for-data-science#about">https://www.coursera.org/learn/sql-for-data-science#about</a>	Coursera-University of California	4 weeks- 14 Hours	Y
5	SOLO learn-SQL <a href="https://www.sololearn.com/Course/SQL/">https://www.sololearn.com/Course/SQL/</a>	<a href="https://www.sololearn.com">https://www.sololearn.com</a>	4 Modules- 104 Quiz	Y

#### 4.h Recommended Value-Added Courses (VAC)

Sr. No.	Name of the Value-Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Applications of Database(Workshop)	Ms. Chanda Vijaykar, Accenture	3 Hrs	Y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)

## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	31/01/2022	/04/2022	14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 /BSA planned to be covered	Activities to be conducted	Teaching Methodology (PPT, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./Books / Web Site
1	1	1	AAP Discussion - Induction	Poll	PPT, Video Clip	1	
	2	1	<b>Introduction &amp; DBMS Architecture:</b> Why Databases? Data versus information, Introducing To Database	Viva	PPT, Video Clip	2	1/4-8/1
	3	1	Role and advantages of DBMS. Types of Databases	Quiz, Poll	PPT	3	1/17-22/1
2	4	1	Why Database design is important, Evolution of File System Data Processing	Viva	PPT	4	1/323-324/1
	5	1	Problems with File System Data Processing, Database Systems	Poll	PPT	5	1/324/1
	6	1	<b>Data Models:</b> Data Modelling and Data Models, The Importance of Data Models	Poll	PPT,	6	2/30-34/1
3	7	1	Data Models Basic Building	Poll	PPT	7	2/35/1

			Blocks, Business Rules				
	8	1	The Evolution Data Models, Degrees of Data Abstraction	Poll	PPT	8	2/35/4
	9	1	<b>Entity Relationship Model:</b> Entities, Attributes, Relationships, Connectivity and Cardinality, Existence Dependence, Relationship Strength, Weak Entities, Relationship Participation	Poll	PPT	9	7/199-211/1
4	10	1	Relationship Degree, Recursive Relationships, Associative (Composite) Entities, Developing an ER Diagram	Viva, Class Test 1	PPT	10	7/212-219/1
	SS	1	Database Design Challenges: Conflicting Goals	Viva	Group Discussion	SS	7/220/1
	11	2	<b>Advanced Data Modelling:</b> The Extended Entity Relationship Model, Entity Clustering, Entity Integrity: Selecting Primary Keys,	Poll	PPT	11	8/245-255/1
	12	2	Design Cases: Learning Flexible Database Design	Quiz, PBL	PPT	12	8/248-257/1
5	13	2	<b>Normalization of Database Tables:</b> Database Tables and Normalization, The Need For Normalization The Normalization Process	Quiz, Poll, Viva	PPT	13	15/501-508/1
	14	2	The Normalization Process, Improving the Design,	Quiz, Poll, Viva	PPT, Video Clip	14	15/509-515/1

			Surrogate Key Considerations				
	15	2	Higher Level Normal Forms,	Pop Quiz, Poll	PPT	15	15/516-535/1
6	16	2	Normalization and Database Design	Viva, Class Test 1	PPT	16	15/518
	SS	2	Denormalization, Data-Modelling Checklist	Viva	Group Discussion	SS	15/520
	17	3	<b>Structured Query Language (SQL):</b> Introduction To SQL, Basic SQL Queries, SELECT Statement Options, FROM Clause Options, ORDER BY Clause Options	Poll, Class Test 2	PPT, Video Clip	17	4/87-107/1
	18	3	WHERE Clause Options, Aggregate Processing,	Pop Quiz	PPT	18	5/124-126/1
7	19	3	Subqueries, SQL Functions,	Viva	PPT	19	5/117-122/1
	20	3	Relational SET Operators, Crafting SELECT Queries	Viva, Class Test 1	PPT	20	1/2/48,51
	21	3	SQL Queries with Real Examples	PBL	PPT	21	
8	22	4	<b>Advanced SQL:</b> Data Definition Commands, Table Structures,	Poll	PPT	22	2/5/255
	23	4	Data Manipulation Commands, Virtual Tables: Creating a View	Viva, Class Test 3	PPT	23	2/5/256
	SS	4	Embedded SQL	Viva	Group Discussion	SS	2/5/259
	24	4	Creating Sequences, Procedural SQL	OBT	PPT	24	2/5/261
9	25	4	<b>Database Design:</b> The Information System, The Systems Development Life Cycle	Viva, Poll	PPT	25	2/5/265
	26	4	The Database Life Cycle,	Quiz, Poll	PPT	26	2/5/267
	27	4	Conceptual Design, DBMS	Quiz, Poll	PPT	27	2/5/268

			Software Selection				
10	28	4	Logical Design, Physical Design, Database Design Strategies	Viva, Class Test 1	PPT	28	2/5/267
	SS	4	Centralized versus Decentralized Design	Viva	Group Discussion	SS	2/5/269
	29	5	<b>Transaction Management and Concurrency Control:</b> What is Transaction? Concurrency Control With Locking Methods	Quiz Class Test 4	PPT	29	1/15/663
	30	5	Concurrency Control With Stamping Methods	Quiz, Poll	PPT	30	1/15/666
11	31	5	Concurrency Controls With Optimistic Methods	Quiz, Poll	PPT	31	1/12/323
	SS	5	ANSI Levels of Transaction Isolation	Viva	Group Discussion	SS	3/14/635
	32	5	Database Recovery Management	Viva	PPT, Video Clip	32	3/16/721
	33	5	<b>Database Performance Tuning and Query Optimization:</b> Database Performance Tuning Concepts, Query Processing	Poll	PPT	33	3/24/1029
12	34	5	Indexes and Query Optimization	Quiz	PPT	34	3/19/681
	35	5	Optimizer Choices, SQL Performance Tuning	Viva, Class Test 4	PPT	35	3/19/685
	36	5	Query Formulation, DBMS Performance Tuning	Poll, Quiz	PPT	36	3/19/700
	SS	5	Query Optimization Examples	PBL	GD	SS	3/19/687
13	37	5	<b>Database Administration</b>	Poll	PPT	37	

			<b>and Security:</b> Data as a Corporate Asset, The Need For a Database and its Role In an Organization				
	SS	5	Introduction of a Database: Special Considerations	Viva	GD	SS	3/24/842
	38	5	The Evolution of Database Administration, The Database Environment's Human Component	Poll	PPT	38	3/24/855
	39	5	Database Administration Tools, Developing a Data Administration Strategy	Poll	PPT	39	3/24/866
14	40	5	The DBAs Role In Cloud, The DBA at work: Using Oracle For Database Administration	Class Test 5	PPT	40	3/24/868

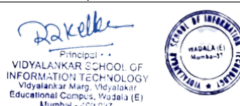
#### 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
75% Attendance, Active Participation – 10 Marks	3	-	Practical Submission (100 Marks) scaled to 20 Marks, Pract Assessment #1 – (20 Marks) scaled to 10 Marks, Final Pract Exam (Mini-Project presentation + Viva) – 20 Marks			IA 1 (MCQ) – 30 Marks, IA 2 (MCQ) – 30 Marks Scaled to 15 Marks	-	75

#### 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Introduction & DBMS Architecture, Data Models and ER Model	1	3 <sup>rd</sup> week	4 <sup>th</sup> week

#### Analysis of Assignment / Tutorial Questions and Related Resources



Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1	✓			2	1

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	7 <sup>th</sup> week	1,2	1,2	Q1 – 15 Marks Q2 – 15 Marks	No IA Re-test  IA is a Head of passing *
2 <sup>nd</sup> IA Test	10 <sup>th</sup> week	3,4	3,4		
Pop Quiz	5 <sup>th</sup> week, 7 <sup>th</sup> week	2	2	MSTeams	
Open Book Test	9 <sup>th</sup> week	3	3	MSTeams	
Take Home Test	10 <sup>th</sup> week	4	4	MSTeams	
Class tests / prelims	3 <sup>rd</sup> and 5 <sup>th</sup> week	1,2	1,2	MSTeams	

\* IA failures will have to appear for re-test in next semester

## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	For a given scenario Draw ER diagrams and convert entities and relationships to tables	ER Diagrams	1	4
2	3	Write SQL Query for given problem statement a. Viewing all Database b. Creating a Database c. Viewing All Tables in Database	Creating Databases	3	4
3	3	Perform the following operations a. Creating Tables With and Without Constraints b. Inserting and Updating and Deleting Records in a table c. Commit and Rollback	Tables and Constraints	3	4



4	3	Perform the following operations a. Altering a Table b. Dropping and Truncating and Renaming a Table c. Backing Up and Restoring a Database	Data Definition Language	3	4
5	3	Perform the following operations a. Simple Queries with Where Operators b. Where With Keywords and Logical Operators c. Simple Queries With Aggregate Functions d. Queries with Aggregate Functions (Group By and Having Clause)	Simple Queries	3	4
6	3	Perform Queries Involving a. Date Functions b. String Functions c. Math Functions	Simple Queries With Functions	3	4
7	4	Retrieving Data From Multiple Tables a. Joining Tables (Inner Joins and Outer Joins) b. Aliases For Table Names	Joins	4	4
8	4	Subqueries With IN Clause With EXISTS Clause Handling NULL	Subqueries	4	4
9	4	Views Creating Views Dropping Views Selecting From View	Views	4	4
10	4	DCL Statements Granting and Revoking Statement's	Transaction Control Language	4	4

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)

## 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	3	Queries on the Banking Database	SQL	3	4

## 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes (Workshop on Applications of Database by Ms. Chanda Vijaykar, Accenture)
2		Industrial Visit	-
3	Test and Assessments	Class Tests – (other than IA)	Yes
4		Mini Projects	Yes
5		Pop Quiz	Yes
6		Mobile App Based Quiz	Yes
7		Open Book Test	Yes
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	-
11		Students Seminar	-
12		Students Debates	Yes
13		Panel Discussion / Mock GD	-
14		Mock Interview	-
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes
16		Value Added Courses	-
17		Lecture Capture Usage	Yes

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

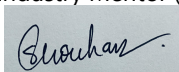
Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Ms. Aasha Chavan

Faculty Name (Sign.)



External Industry Mentor (Sign.)



External Academic Mentor (Sign.)

VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027  


**Version 2021-22**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

### 1.a Course Objectives (write in detail – follow NBA guideline in this regard)

Cognitive	What do you want students to know?	To gain knowledge about the various tags, developing responsive web pages.
Affective	What do you want students to think / care about?	To think about different and innovative ideas to develop a web page.
Behavioural	What do you want students to be able to do?	To implement the knowledge positively for developing online websites.

### 1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)

CO No.	Statements	Related Module/s
CO1	To understand various terminologies of Internet, simple application of HTML5	Unit 1
CO2	To design web pages using advanced HTML5	Unit 2
CO3	To implement the various properties of CSS and design a good UI.	Unit 3
CO4	To develop simple, responsive web pages using JavaScript	Unit 4
CO5	To learn how to interchange data using JSON	Unit 5

### 1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category		✓					

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USDS103	Web Technology	75	50	--	2	2	--	4

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
USDS103	Web Technology	30	30	Scaled to 15 + 10 Class Participation	75	25	50	-	150

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	4	2	2	--	--	--	--	--	--

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Wednesday	3:00-4:00	Staff Room

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Internet, WWW and HTML5	10	20

2	HTML5	10	20
3	CSS	08	20
4	JavaScript	12	20
5	JSON	08	20
* Insert rows for more modules in the Course		<b>Total</b>	<b>48 lecture x 60 minutes</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	H.S.C	CS	ALL
2			
3			
4			

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	BScDS (sem VI)	Project Implementation

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	VSIT Website
2	Websites like Facebook, eBay use JavaScript
3	MetLife application, Forbes CMS uses JSON

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Oct 2022	Oct 2021	Oct 2020	Oct 2019
Course Passing % – Average of 5 Divisions	100%	100%	NA	NA
Marks Obtained by Course Topper (mark/100)	98	95	NA	NA

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Oct 2021	SC	100%	-	-	-	-

Oct 2020	-	-	-	-	-	-
Oct 2019	-	-	-	-	-	-

	Division D		Division E	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result
Oct 2021	-	-	-	-
Oct 2020	-	-	-	-
Oct 2019	-	-	-	-

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
JavaScript Events	4	more examples should be given

## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Web Programming	Sweta Chheda	Sheth		I,II,III,IV
2	Web Design The Complete Reference	Thomas Powell	Tata McGraw Hill		I,II,III
3	Head First HTML 5 programming	Eric Freeman	O'Reilly		I,II

### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	HTML 5 step by step	Faithe Wempen	Microsoft Press		I, II
2	JavaScript 2.0: The Complete Reference	Thomas Powell and Fritz	Tata McGraw Hill	II	IV
3	Beginning JSON	Ben Smith	APress	1 <sup>st</sup>	V

### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	<a href="http://www.ebook-daraz.com/microsoft-press-html5-step-step-faithe-wempen-ebook-free-download/">http://www.ebook-daraz.com/microsoft-press-html5-step-step-faithe-wempen-ebook-free-download/</a>	Faithe Wempen	Microsoft Press		I, II
2	<a href="https://gamerfancreations.weebly.com/.../mcgraw-hill-javascript-the-complete-reference">https://gamerfancreations.weebly.com/.../mcgraw-hill-javascript-the-complete-reference</a>	Thomas Powell and Fritz	Tata McGraw Hill		IV

### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Journal of Web Development and Web Designing: <a href="http://matjournals.com/Journal-of-Web-Development-and-Web-Designing.html">http://matjournals.com/Journal-of-Web-Development-and-Web-Designing.html</a>	Webgranth: <a href="http://www.webgranth.com/">http://www.webgranth.com/</a>	All
2	International Journal of Web Engineering and Technology: <a href="https://www.inderscience.com/jhome.php?jcode=ijwet">https://www.inderscience.com/jhome.php?jcode=ijwet</a>	Webdesigner Depot: <a href="https://www.webdesignerdepot.com/">https://www.webdesignerdepot.com/</a>	All
3	Webdevelopersjournal: <a href="https://www.webdevelopersjournal.com/">https://www.webdevelopersjournal.com/</a>	Smashing Magazine — For Web Designers And Developers: <a href="https://www.smashingmagazine.com/">https://www.smashingmagazine.com/</a>	All
4	JSON Proceedings: <a href="https://dl.acm.org/doi/10.1145/3034786.3056120">https://dl.acm.org/doi/10.1145/3034786.3056120</a>		5
5	JavaScript Journal <a href="https://ieeexplore.ieee.org/document/8291778">https://ieeexplore.ieee.org/document/8291778</a>	Javascript Magazine <a href="https://javascript-conference.com/javascript-magazine-02-2020/">https://javascript-conference.com/javascript-magazine-02-2020/</a>	4

#### 4.e

**Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.) (10 books available in library)
	Book			Maga-zine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1	✓	✓					Y		Web Programming, Chapter 1 (T) HTML5 Step by Step, Chapter 1 – 9 ( R )
2	✓	✓					Y		HTML5 Step by Step Chapter 10-15 ( R ), Web Programming, Chapter 3(T)
3	✓	✓	✓				Y		Web Programming, Chapter 5 (T), HTML5 Step by Step ( R )
4	✓	✓					Y		Web Programming, Chapter 13 ( T ) JavaScript 2.0: The Complete Reference, Chapter 1-5, 11 ( R )
5		✓				✓	Y		Beginning JSON ( R )

#### 4.f

**Web Links for Online Notes/YouTube/VSIT Digital Content /NPTEL Videos**

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content ( v-refer )	1-5
2	Online Notes and PPTs (v-refer)	1-5
3	HTML5 and CSS Tutorial <a href="https://www.youtube.com/watch?v=5ePVoAgvU1k&amp;list=PL41IfR-">https://www.youtube.com/watch?v=5ePVoAgvU1k&amp;list=PL41IfR-</a>	1-3



	<a href="https://www.youtube.com/watch?v=6DnOq3BebucTNMSVDojCliv_en">6DnOq3BebucTNMSVDojCliv_en</a>	
4	JavaScript <a href="https://www.youtube.com/watch?v=W6NZfCO5SIk">https://www.youtube.com/watch?v=W6NZfCO5SIk</a>	4
5	JSON <a href="https://www.youtube.com/watch?v=JuFdZ8f-cT4">https://www.youtube.com/watch?v=JuFdZ8f-cT4</a>	5

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.mooc-list.com/course/responsive-website-basics-code-html-css-and-javascript-coursera">https://www.mooc-list.com/course/responsive-website-basics-code-html-css-and-javascript-coursera</a> (HTML5, CSS & JAVASCRIPT)	Coursera	4 Weeks	Y
2	<a href="https://www.edx.org/course/html5-css-fundamentals-w3cx-html5-0x-0">https://www.edx.org/course/html5-css-fundamentals-w3cx-html5-0x-0</a> (HTML5, CSS)	edX	6 Weeks	Y
3	Spoken Tutorial: HTML5 & CSS	Spoken Tutorial, IIT Bombay	14 videos	Y

#### 4.h Recommended Value-Added Courses (VAC)

Sr. No.	Name of the Value-Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	My Brand, My Website	Ms. Seema Murkar, Ms. Ketaki Ghawali	30hrs	Y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration			12

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Activities to be conducted	Teaching Methodology (Power point, Video Clip, Simulation, Flipped Classroom, Group Discussion, any other)	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	<b>Unit I</b>	<b>Internet and WWW</b>  What is Internet? Introduction to internet and its applications, telnet, FTP	Quiz	PPT, Video Clip	1	Web Programming/Ch1
	2	1	Internet service providers, domain name server, internet address, search engine, web server – apache, IIS, proxy server, HTTP protocol	Quiz	PPT	2	Web Programming/Ch1
	3	1	What Is Web Design? Defining Web Design, Web Design Themes, Learning Web Design.	Poll	PPT	3	Web Programming/Ch1
	4	1	User-Centered Design: Usability, Common User Characteristics, Memory, Response and Reaction Times, Dealing with Stimulus, Movement Capabilities,	Nearpod	PPT	4	Web Programming/Ch2
2	5	1	The User's World, General Types of Users, Web Conventions, Accessibility, Building a Usable Site			5	Web Programming/Ch2
	6	1	<b>HTML 5</b>  Introduction, Why HTML5? Structure of HTML file	True or False	PPT, Simulation	6	Ch 1/ HTML 5 Step by Step

	7	1	Formatting text by using tags, using lists and backgrounds		PPT	7	Ch 3/ HTML 5 Step by Step
	8	1	Creating hyperlinks and anchors		PPT, Simulation	8	Ch 5/ HTML 5 Step by Step
3	9	1	Viva/ Question Solving on Unit I		Written Assignment 1	9	
	10	1	Viva/ Question Solving on Unit I		Written Assignment 1	10	
	SS	1	Who Are Web Users?	Quiz	PPT		Ch 1/ Web Programmin g
	SS	1	browsers – internet explorer, Netscape navigator, opera, Firefox, chrome, Mozilla	Quiz	PPT		Ch 1/ Web Programmin g
	11	<b>Unit II</b>	creating text based navigation bar, creating graphics based navigation bar, creating graphical navigation bar	Poll	PPT, Simulation	11	Ch 10/ HTML 5 Step by Step
	12	2	creating image map, redirecting to another URL,		PPT, Simulation	12	Ch 10/ HTML 5 Step by Step
4	13	2	creating division based layouts: HTML5 semantic tags, creating divisions		PPT, Simulation	13	Ch 11/ HTML 5 Step by Step
	14	2	creating HTML5 semantic layout, positioning and formatting divisions	Puzzle	PPT, Simulation	14	Ch 11/ HTML 5 Step by Step
	15	2	<b>HTML5 Tables, Forms and Media:</b>  Creating tables: creating simple table, specifying the size of the table, specifying the width of the column, formatting tables:		Simulation	15	Ch 12/ HTML 5 Step by Step

			applying table borders, applying background 2nd foreground fills, changing cell padding, spacing and alignment				
	16	2	merging table cells, using tables for page layout, creating user forms: creating basic form, additional input types in HTML5		Simulation	16	Ch 12/ HTML 5 Step by Step
5	17	2	using check boxes and option buttons, creating lists, Incorporating sound and video: audio and video in HTML5		Simulation	17	Ch 14/ HTML 5 Step by Step
	18	2	embedding video clips, incorporating audio on web page	Time to Climb	Simulation	18	Ch 15/ HTML 5 Step by Step
	19	2	Viva/ Question Solving on Unit II		PBL	19	
	20	2	Viva/ Question Solving on Unit II		PBL	20	
	SS	2	HTML multimedia basics	WAP & submit	Video Clip		Ch 15/ HTML 5 Step by Step
	SS	2	Semantic Tags	WAP & submit	Video Clip		
6	21	<b>Unit III</b>	Introduction to Style Sheets : Understanding Styles, Constructing Style Rules, Creating Styles for Nested Tags, Creating Classes and IDs  for Applying Styles	Match Card Activity	PPT, Video Clip	21	Ch 6/ HTML 5 Step by Step
	22	3	Applying Styles to Hyperlinks, Creating and Linking to External Style Sheets, Formatting Text by Using Style Sheets: Specifying a Font Family, Specifying a Font Size and Color, Applying Bold and Italics, Applying Strikethrough and Underlining,		PPT, Video Clip	22	Ch 7/ HTML 5 Step by Step

	23	3	Creating Inline Spans , Adjusting Spacing Between Letters Formatting Paragraphs by Using Style Sheets: Indenting Paragraphs, Applying a Border to a Paragraph, Specifying a Border Style, Setting Border Padding, Specifying Border Width and Color	Quiz	PPT, Video Clip	23	Ch 8/ HTML 5 Step by Step
	24	3	Formatting Border Sides Individually, Setting All Border Attributes at Once, Specifying Vertical Space within a Paragraph	Discussion	Simulation	24	Ch 8/ HTML 5 Step by Step
7	25	3	Displaying Graphics: Selecting a Graphics Format, Preparing Graphics for Web Use, Inserting Graphics	Quiz	PPT	25	Ch 9/ HTML 5 Step by Step
	26	3	Arranging Elements on the Page, Controlling Image Size and Padding, Hyperlinking from Graphics, Using Thumbnail Graphics, Including Alternate Text for Graphics, Adding Figure Captions	Quiz	PPT	26	Ch 9/ HTML 5 Step by Step
	27	3	Viva/ Question Solving on Unit III	Match Card	Nearpod	27	
	28	3	Viva/ Question Solving on Unit III	Match Card	Nearpod	28	
	SS	3	Setting All Border Attributes at Once	WAP & submit	PPT		Ch 8/ HTML 5 Step by Step
	SS	3	Specifying the Horizontal Alignment of a Paragraph	WAP & submit	PPT		
8	29	<b>Unit IV</b>	JavaScript Objects, JavaScript Security	Match Card	PPT	29	Ch 1/ Javascript Complete Reference

	30	4	Core JavaScript (Properties and Methods of Each) : Array, Boolean, Date	Quiz	PPT, Simulation	30	Ch 7/ Javascript Complete Reference
	31	4	Function, Number	Puzzle	PPT, Simulation	31	Ch 7/ Javascript Complete Reference
	32	4	Object, String, regExp	Poll	Simulation	32	Ch 6,8/ Javascript Complete Reference
9	33	4	Document and its associated objects: document, document object methods, Link, Area, Anchor, Image, Layer,	Poll	Simulation	33	Ch 9,10/ Javascript Complete Reference
	34	4	Events and Event Handlers : General Information about Events, Defining Event Handlers	Quiz	PPT, Simulation	34	Ch 11/ Javascript Complete Reference
	35	4	event, onAbort, onBlur, onChange, onClick, onDbClick, onDragDrop, onError, onFocus,	Quiz	Simulation	35	Ch 11/ Javascript Complete Reference
	36	4	onKeyDown, onKeyPress, onKeyUp, onLoad,	Time To Climb	PPT, Simulation	36	Ch 11/ Javascript Complete Reference
10	37	4	onMouseDown, onMouseMove, onMouseOut, onMouseOver, onMouseUp, onMove		Simulation	37	Ch 11/ Javascript Complete Reference
	38	4	onReset, onResize, onSelect, onSubmit, onUnload		Simulation	38	Ch 11/ Javascript Complete Reference

	SS	4	Client – side JavaScript, Server – side JavaScript	Quiz	PPT		Ch 1/ Javascript Complete Reference
	SS	4	Math	Quiz	PPT		
	39	4	Viva/ Question Solving on Unit IV	Quiz	Edureka Class Activity	39	
	40	4	Viva/ Question Solving on Unit IV	Quiz	Edureka Class Activity	40	
11	41	<b>Unit V</b>	JSON: Introduction, JSON Grammar	Poll	PPT, Video Clip	41	Ch 4/ Beginning JSON
	42	5	JSON Values, JSON Tokens	Poll	PPT	42	Ch 4/ Beginning JSON
	43	5	Syntax, Objects		Simulation	43	Ch 4/ Beginning JSON
	44	5	Arrays, Creating JSON,		PPT, Video Clip	44	Ch 5/ Beginning JSON
12	45	5	JSON Object, Parsing JSON, Persisting JSON		PPT, Video Clip	45	Ch 6/ Beginning JSON
	46	5	Data Interchange, JSON HTML, JSONP	Quiz	Simulation	46	Ch 7,8/ Beginning JSON
	47	5	Viva/ Question Solving on Unit V	OBT	Class notes	47	
	48	5	Viva/ Question Solving on Unit V	OBT	Class notes	48	
	SS	5	JSON vs XML	Quiz	PPT		

	SS	5	Data Types	Quiz	PPT		
--	----	---	------------	------	-----	--	--

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class Participation	Other (2) specify	Total
75% Attendance, Active Participation – 10 Marks	2	-	-	-	-	IA 1 (Descriptive) - 30 Marks, IA 2 (MCQs) – 30 Marks  Scaled to 15 Marks	-	75

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Applications of Internet, Links and CSS	CO1	3 <sup>rd</sup> Week	
2	PBL on Navigation Bar, Semantic tags, Forms	CO2	6 <sup>th</sup> Week	

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (v)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1	4a(1)			✓	✓
2	6	✓			2	4a(1)	4b(1)			✓

\* Tick (v) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	7 <sup>th</sup> Week	1,2	1,2	Q1 – 15 Marks Q2 – 15 Marks	No IA Re-test



2 <sup>nd</sup> IA Test	12 <sup>th</sup> Week	3,4	3,4		IA is a Head of passing *
Pop Quiz	8 <sup>th</sup> Week	2	2	MS - Teams	
Open Book Test	10 <sup>th</sup> Week	4	4	4 Questions – 20 Marks	
Take Home Test					
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Use of Basic Tags	Text formatting tags, navigation between pages	CO1	4
2	2	Implement navigation, list and paragraph	Navigation Bar, lists and paragraph tags	CO2	4
3	2	Implement Lists, images and semantics	Image, image map, semantic tags	CO2	4
4	2	Implement Multimedia and User controls	Audio, video, user control	CO2	4
5	3	Implement CSS with list, links and table	Applying style sheets	CO3	4
6	3	Implement CSS with font, paragraph and types	CSS properties	CO3	4
7	4	Validating User fields using javascript	DOM	CO4	4
8	4	Implement javascript events	Event Handling	CO4	4
9	5	Implementing JSON Basics	JSON	CO5	4
10	5	Working with JSON: 1. Read data from json file and convert it into a JavaScript object and display the data in web page using document object.	JSON	CO5	4

		2. Demonstrate messages formatting using JSON.			
--	--	--	--	--	--

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	YES
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	YES
4		Mini Projects	YES
5		Pop Quiz	YES
6		Mobile App Based Quiz	
7		Open Book Test	YES
8		Take Home Test	
9	Collaborative and Group Activity	Poster Presentation	YES
10		Minute Papers	
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	YES
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	YES
16		Value Added Courses	
17		Lecture Capture Usage	

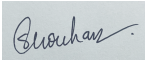
**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1 Name (Sign.)

Ms. Ketaki Ghawali

External Industry Mentor (Sign.)



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Wajalekar  
Educational Campus, Wajalekar (E)  
Mumbai - 400 027  


# AAP Compliance


B.Sc.IT AAP Compliance Odd Semester (2020-21)									
Sem III									
Date	Python Programming			Data Structures			Computer Networks		
	JMV,LRJ			HMT,SPA,KKS					
	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical
30/06/2020	5	14%		6	18%		5	15%	
18/07/2020	12	40%		13	37%		12	25%	
31/07/2020	18	46%	2	19	48%	2	18	40%	2
21/08/2020	25	54%	4	26	54%	4	25	45%	4
01/10/2020	33	60%	8	33	63%	8	32	60%	8
23/10/2020	38	70%	10	38	70%	10	37	63%	9
06/11/2020	42	78%	12	41	75%	11	41	75%	12

Date	Database Management Systems			Applied Mathematics		
	RMD,AMC,AUK			GSS, SMS		
	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical
30/06/2020	5	9%		4	8%	
18/07/2020	12	30%		12	25%	
31/07/2020	18	43%	2	18	36%	2
21/08/2020	25	52%	4	26	40%	5
01/10/2020	32	60%	8	33	55%	8
23/10/2020	37	70%	10	39	65%	10
06/11/2020	41	78%	12	44	73%	11

Sem V									
Date	Software Project Management			Internet of Things			Advanced Web Programming		
				USK, BDS			DSC,KAG		
	Lectures	Syllabus	-	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical
30/06/2020	4	8%		5	10%		5	10%	
18/07/2020	10	17%		10	20%		12	22%	
31/07/2020	16	30%		16	35%	2	18	30%	1
21/08/2020	23	40%		23	40%	4,5	25	40%	3
01/10/2020	31	55%		30	55%	6,7	32	55%	6
23/10/2020	37	68%		35	58%		38	65%	8
06/11/2020	41	75%		38	60%		42	78%	10

Date	Artificial Intelligence			Linux System Administration			Enterprise Java		
							PBS		
	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical
30/06/2020	5	15%		6	15%		5	10%	
18/07/2020	10	25%		10	25%		10	20%	
31/07/2020	16	30%	2	16	27%	2	16	38%	2
21/08/2020	24	35%	5	24	40%	5	23	42%	4
01/10/2020	31	48%	8	31	55%	7	30	60%	6
23/10/2020	37	65%	10	37	66%	8	37	70%	8
06/11/2020	41	80%	11	41	80%	10	39	80%	10

Next Generation Technologies			
Date			
	Lectures	Syllabus	Practical
30/06/2020	5	15%	
18/07/2020	10	30%	
31/07/2020	16	40%	2
21/08/2020	23	50%	5
01/10/2020	30	55%	8
23/10/2020	36	65%	9
06/11/2020	40	75%	11

  
 Principal • •  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

Sem I									
	Imperative Programming			Operating Systems			Digital Electronics		
Date							AKS, LAM		
	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical
01/10/2020	9	14%	Nil	9	10%	-	9	10%	-
23/10/2020	15	27%	3	15	15%	3	16	18%	3
12/11/2020	19	35	5	19	20	5	20	20%	5

Date	Discrete Mathematics			Communication Skills		
	Lectures	Syllabus	Practical	Lectures	Syllabus	Practical
01/10/2020	8	9%	-	8	15%	-
23/10/2020	14	16%	3	14	25%	3
12/11/2020	19	27%	5	18	40%	6

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem II

Div 1

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	3	7%				3	5%			
06/02/2021	8	20%	2			8	20%	3		
20/02/2021	11	28%	3		1	11	28%	4		1
06/03/2021	17	42%	5		2	17	40%	5		
20/03/2021	23	57%	6		2	22	49%	6		2
10/04/2021	30.5	76%	7		4	29.5	69%	7		
30/04/2021	34.5	100%	7		5					

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	3	10%				3	12%			
06/02/2021	8	17%	1		1	9	32%	1		1
20/02/2021	11	23%	2			13	38%	2		
06/03/2021	17	40%	4	1	2	18	50%	4	1	2
20/03/2021	22	60%	5		3	23	65%	6		3
10/04/2021	29	80%			4	31	85%			4
30/04/2021	36	100%		2	5	36	100%		2	5

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	3	10%	-	-	-
06/02/2021	7	22%	-	-	1
20/02/2021	10	25%	-	-	
06/03/2021	16	38%	-	-	Mid term Completed
20/03/2021	21	53%	-	-	1
10/04/2021	27	86%	-	-	100%
30/04/2021	30	100%	-	-	100%

*[Signature]*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem II

Div 2

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	2	5%				3	5%			
06/02/2021	7	18%	1			9	21%	1		
20/02/2021	10	25%	2		1	11	28%	2		1
06/03/2021	16	40%	4		2	16	40%	4		
20/03/2021	22	55%	6		2	22	49%	5		2
10/04/2021	29.5	74%	6		4	29.5	69%	6		
30/04/2021	35.5	100%	7		5					

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	3	10%				3	12%			
06/02/2021	8	17%	2		1	8	30%	2		1
20/02/2021	11	23%	3			11	35%	3		
06/03/2021	17	40%	5	1	2	17	48%	5	1	2
20/03/2021	23	65%	6		3	23	65%	6		3
10/04/2021	29	80%			4	30	85%			4
30/04/2021	34	100%		2	5	35	100%		2	5

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	3	10%	-	-	-
06/02/2021	8	23%	-	-	1
20/02/2021	11	26%	-	-	
06/03/2021	17	40%	-	-	Midterm Completed
20/03/2021	22	55%	-	-	1
10/04/2021	28	88%	-	-	100%
30/04/2021	32	100%	-	-	100%

*R. Kelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem II

Div 3

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	3	7%				3	5%			
06/02/2021	7	18%	2			9	21%	3		
20/02/2021	10	25%	3		1	11	28%	3		1
06/03/2021	16	40%	5		2	17	40%	4		
20/03/2021	21	52%	5		2	23	53%	6		2
10/04/2021	28.5	71%	7		4	30.5	69%	7		
30/04/2021	34.5	100%	7		5					

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	2	7%				3	12%			
06/02/2021	7	15%	1		1	9	32%	2		1
20/02/2021	10	21%	2			12	38%	3		
06/03/2021	16	34%	4	1	2	18	50%	5	1	2
20/03/2021	22	60%	5		3	23	65%	6		3
10/04/2021	29	80%			4	31	85%			4
30/04/2021	34	100%		2	5	36	100%		2	5

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	3	10%	-	-	-
06/02/2021	8	23%	-	-	1
20/02/2021	11	26%	-	-	
06/03/2021	17	40%	-	-	Midterm Completed
20/03/2021	22	55%	-	-	1
10/04/2021	28	88%	-	-	100%
30/04/2021	34	100%	-	-	100%

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.





# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem II

Div F

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment
23/01/2021	3	7%				2	2%			
06/02/2021	8	20%	2			8%	21%	2		
20/02/2021	11	28%	3		1	10	28%	3		1
06/03/2021	17	42%	5		2	16	40%	4		
20/03/2021	22	55%	6		2	22	53%	5		2
10/04/2021	29.5	74%	7		4	29.5	69%	6		
30/04/2021	36.5	100%	7		5					

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment
23/01/2021	2	10%								
06/02/2021										
20/02/2021										
06/03/2021										
20/03/2021										
10/04/2021										
30/04/2021										

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	3%	10%	-	-	-
06/02/2021	8%	23%	-	-	1
20/02/2021	11	26%	-	-	
06/03/2021	17	40%	-	-	Midterm Completed
20/03/2021	23	57%	-	-	1
10/04/2021	29	87%	-	-	1
30/04/2021	34	100%	-	-	1

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 1

Date	Core Java					Software Engineering				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	5	19%				6	15%			
06/02/2021	10	35%	1		1	11	40%	2		1
20/02/2021	13	40%	2			14	47%	3		
06/03/2021	19	58%	4	1	2	20	60%	5	1	2
20/03/2021	25	72%	5		3	25	64%	6		3
10/04/2021	31	92%	8		4	31	83%	7		4
30/04/2021	34	100%	10	2	5	37	100%		2	5

Date	Introduction to Embedded Systems					Computer Oriented Statistical Technique				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	6	12%				6	15%			
06/02/2021	11	22%	2		1	11	23%	1		1
20/02/2021	14	30%	3			14	35%	2		
06/03/2021	20	50%	5		2	20	50%	4		2
20/03/2021	26	64%	6		3	25	62%	5		3
10/04/2021	32.5	80%	7		3	32.5	78%	6		3
30/04/2021	38.5	100%	7		5	40	100%	6		5

Date	Computer Graphics and Animation				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	6	15%			
06/02/2021	10	22%	2		
20/02/2021	13	27%	3		
06/03/2021	20	40%	5		1
20/03/2021	25	52%	6		2
10/04/2021	32.5	82%	8		3
30/04/2021	39.5	100%	8		4

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 2

Date	Core Java					Software Engineering				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	20%				6	15%			
06/02/2021	10	35%	2		1	11	40%	1		
20/02/2021	13	40%	3			14	47%	2		
06/03/2021	19	58%	5	1	2	20	60%	4		
20/03/2021	24	72%	6		3	25	64%	5		
10/04/2021	30	92%	9		4	32	80%	6		
30/04/2021	33	100%	11	2	5	39	100%			

Date	Introduction to Embedded Systems					Computer Oriented Statistical Technique				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	5	10%				6	15%			
06/02/2021	10	20%	1		1	11	23%	2		1
20/02/2021	13	28%	2			14	35%	3		
06/03/2021	19	48%	4		2	20	50%	5		2
20/03/2021	25	62%	6		3	26	65%	6		3
10/04/2021	32.5	80%	6		3	33.5	80%	7		4
30/04/2021	38.5	100%	6		5	38.5	100%	7		5

Date	Computer Graphics and Animation				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	15%			
06/02/2021	11	23%	2		
20/02/2021	14	28%	3		
06/03/2021	20	40%	5		1
20/03/2021	25	52%	6		2
10/04/2021	33.5	80%	8		3
30/04/2021	40	100%	8		4

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 3

Date	Core Java					Software Engineering				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	20%				7	18%			
06/02/2021	11	37%	2		1	11	40%	2		
20/02/2021	14	41%	3			14	47%	3		
06/03/2021	20	59%	5	1	2	20	60%	5		
20/03/2021	25	72%	6		3	26	64%	6		
10/04/2021	31	93%	9		4	33	85%	7		
30/04/2021	35	100%	11	2	5	38	100%			

Date	Introduction to Embedded Systems					Computer Oriented Statistical Technique				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	12%				5	13%			
06/02/2021	10	20%	2		1	10	21%	1		1
20/02/2021	13	28%	3			13	33%	2		
06/03/2021	19	48%	5		2	19	48%	4		2
20/03/2021	24	60%	5		3	26	62%	5		3
10/04/2021	31.5	78%	7		3	32.5	78%	6		3
30/04/2021	37.5	100%	7		5	38.5	100%	6		4

Date	Computer Graphics and Animation				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	15%			
06/02/2021	11	23%	1		
20/02/2021	14	28%	2		
06/03/2021	20	40%	4		1
20/03/2021	25	52%	6		2
10/04/2021	33.5	80%	8		3
30/04/2021	41	100%	8		4

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div F

Date	Core Java					Software Engineering				
	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment
23/01/2021	6	12%				6	16%			
06/02/2021	11	22%	2		1	10	40%	1		
20/02/2021	14	30%	3			12	44%	2		
06/03/2021	20	50%	5		2	18	58%	4		
20/03/2021	25	62%	6		3	24	61%	5		
10/04/2021	31	78%	8		3	31	83%	6		
30/04/2021	38	100%	8		5	36	100%			

Date	Introduction to Embedded Systems					Computer Oriented Statistical Technique				
	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment
23/01/2021	6	12%				6	15%			
06/02/2021	11	22%	2		1	10	21%	2		1
20/02/2021	14	30%	3			13	33%	3		
06/03/2021	20	50%	5		2	19	48%	5		2
20/03/2021	25	62%	6		3	24	62%	6		3
10/04/2021	31	78%	8		3	31.5	78%	7		3
30/04/2021	38	100%	8		5	37.5	100%	7		4

Date	Computer Graphics and Animation				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	15%			
06/02/2021	11	23%	2		
20/02/2021	14	28%	3		
06/03/2021	20	40%	5		1
20/03/2021	26	55%	6		2
10/04/2021	34.5	85%	8		3
30/04/2021	39.5	100%	8		4

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Vadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

### Sem IV

#### Div 1

Date	Software Quality Assurance					Security in Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	5	15%	NA	NA	-	5	20%	-		
06/02/2021	10	30%	NA	NA	100%	11	35%	20%	2	1
20/02/2021	13	36%	NA	NA	-	16	40%	30%	2	1
06/03/2021	19	50%	NA	NA	100%	21	66%	50%	1	Mid term completed
20/03/2021	25	60%	NA	NA		27	73%	60%	1	Pract Exam
10/04/2021	31	85%	NA	NA	4	34	90%	70%	1	1
30/04/2021	34	100%	NA	NA		37	100%	100%	1	1

Date	Business Intelligence					Principles of Geographic Information Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	6	14%				6	12%	-	-	-
06/02/2021	10	30%	1	2	1	11	30%	20%	1	0
20/02/2021	13	38%	2	2	1	14	40%	30%	1	1
06/03/2021	19	45%	4	1	Mid term completed	20	50%	60%	0	Mid term completed
20/03/2021	24	50%	5	1	Practical Exam Completed	25	65%	70%	1	Pract Exam completed
10/04/2021	31	80%	7	7	2	32	80%	90%	1	1
30/04/2021	37	100%	8	8	3	39	100%	100%	3	1

Date	IT Service Management				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
23/01/2021	6	16%	-	-	-
06/02/2021	10	25%	20%	2	1
20/02/2021	13	33%	30%	1	1
06/03/2021	19	54%	50%	2	1
20/03/2021	24	70%	60%	1	Mid Term Completed , Practical Mid Term Assessment Completed
10/04/2021	27	78%	70%	1	1
30/04/2021	35	100%	100%	1	1

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 2

Date	Software Quality Assurance					Security in Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	15%	NA	NA	-	5	20%	-		
06/02/2021	10	30.00%	NA	NA	100%	10	32%	10%	1	1
20/02/2021	13	36%	NA	NA	-	15	38%	20%	2	1
06/03/2021	19	50%	NA	NA	100%	21	66%	40%	1	Mid term completed
20/03/2021	24	60%	NA	NA		26	71%	50%	1	Pract Exam
10/04/2021	30	85%	NA	NA	4	34	90%	70%	1	1
30/04/2021	33	100%	NA	NA		34	100%	100%	1	1

Date	Business Intelligence					Principles of Geographic Information Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	14%				6	12%	-	-	-
06/02/2021	10	30%	1	2	1	11	30%	20%	1	0
20/02/2021	13	38%	3	2	1	14	40%	30%	1	1
06/03/2021	19	45%	5	1	Midterm Completed	20	50%	60%	0	Mid term completed
20/03/2021	25	52%	6	1	Practical Exam Completed	25	65%	60%	1	Pract Exam completed
10/04/2021	31	80%	7	7	2	31	80%	90%	1	1
30/04/2021	37	100%	8	8	3	39	100%	100%	3	1

Date	IT Service Management				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	16%	-	-	-
06/02/2021	11	27%	20%	2	1
20/02/2021	14	36%	30%	1	1
06/03/2021	20	56%	50%	2	1
20/03/2021	25	72%	60%	1	Mid Term Completed, Practical Mid Term Assessment completed
10/04/2021	28	78%	70%	1	1
30/04/2021	36	100%	100%	1	1

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

### Sem IV

#### Div 3

Date	Software Quality Assurance					Security in Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	15%	NA	NA	-	6	20%	-		
06/02/2021	11	32%	NA	NA	100%	10	32%	20%	2	1
20/02/2021	14	38%	NA	NA	-	14	38%	30%	2	1
06/03/2021	20	52%	NA	NA	100%	21	66%	50%	1	Mid term completed
20/03/2021	25	60%	NA	NA		26	71%	60%	1	Pract Exam
10/04/2021	31	85%	NA	NA	4	32	88%	70%	1	1
30/04/2021	34	100%	NA	NA		35	100%	100%	1	1

Date	Business Intelligence					Principles of Geographic Information Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	5	12%				6	12%	-	-	-
06/02/2021	10	30%	1	2	100%	11	30%	20%	1	0
20/02/2021	13	38%	2	2	1	14	40%	30%	1	1
06/03/2021	19	45%	3	1	Midterm Completed	20	50%	60%	0	Mid term completed
20/03/2021	25	52%	5	1	Practical exam Completed	26	68%	70%	1	Pract Exam completed
10/04/2021	31	80%	7	6	2	33	84%	90%	1	1
30/04/2021	37	100%	8	8	3	39	100%	100%	3	1

Date	IT Service Management				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
23/01/2021	6	16%	-	-	-
06/02/2021	11	27%	10%	1	1
20/02/2021	14	36%	20%	1	1
06/03/2021	20	56%	40%	2	1
20/03/2021	25	72%	50%	1	Mid Term Completed , Practical Mid Term Assessment completed
10/04/2021	28	78%	60%	1	1
30/04/2021	35	100%	100%	1	1

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.





# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem I

Div A

Date	Imperative Programming					Operating Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	15	40%	3	2	1	13	18%	3	3	1
12/11/2021	16	42%	4	2	1	15	35%	4	4	2
26/11/2021	26	64%	6	4	2	18(4hr extra lecture)	50%	6	6	3
10/12/2021	33	84%	8	6	3	18	80%	7	7	4
24/12/2021	39	100%	8	8	4	27	100%	9	9	5

Date	Communication Skills					Digital Electronics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	13	16%	4	4	-	15	21%	4	4	1
12/11/2021	15	30%	5	5	1	17	23%	5	5	-
26/11/2021	21	52%	7	7	2	22	52%	7	7	3
17/12/2021	31	85%	10	10	3, 4	29	85%	9	11	4
24/12/2021	34	100%	11	10	5	35	100%	11	10	5

Date	Discrete Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	13	16%	4	4	-
12/11/2021	15	30%	5	5	1
26/11/2021	21	52%	7	7	2
17/12/2021	31	85%	10	10	3, 4
24/12/2021	34	100%	11	10	5

*Dr. Kelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)


Sem I

Div B

Date	Imperative Programming					Operating Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	14	37%	4	2	1	15	19%	4	4	1
12/11/2021	17	44%	5	2	1	16	35%	5	5	2
26/11/2021	22	55%	7	4	2	19	50%	7	7	2
10/12/2021	28	72%	9	6	3	24	75%	9	9	3
24/12/2021	36	100%	9	7	4	30	100%	10	10	4

Date	Communication Skills					Digital Electronics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	14	30.00%	3	3	-	10	16%	3	3	1
12/11/2021	19	45.00%	4	4	1	14	20%	4	4	1
26/11/2021	22	56.00%	6	6	-	19	51%	5	5	2
10/12/2021	31	75.00%	9	9	2,3	26	82%	7	7	3
24/12/2021	35	100	10	10	4,5	32	100%	9	8	5

Date	Discrete Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	14	30.00%	3	3	-
12/11/2021	19	45.00%	4	4	1
26/11/2021	22	56.00%	6	6	-
10/12/2021	31	75.00%	9	9	2,3
24/12/2021	35	100	10	10	4,5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)


Sem I

Div C

Date	Imperative Programming					Operating Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	13	35%	4	4	1	16	20%	3	3	1
12/11/2021	14	37%	4	4	1	19	25%	4	4	2
26/11/2021	20	55%	6	6	2	23 (4hr ext lec)	60%	5	5	3
10/12/2021	25	70%	8	8	3	25	80%	7	7	4
24/12/2021	31	100%	10	10	5	31	100%	8	8	5

Date	Communication Skills					Digital Electronics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	10	16.00%	4	4	-	13	18%	3	3	1
12/11/2021	15	25.00%	5	5	1	16	22%	3	3	1
26/11/2021	20	40.00%	7	7	2	21	52%	5	5	2
10/12/2021	31	80.00%	10	10	3, 4	29	85%	7	7	3
24/12/2021	35	100.00%	10	10	5	34	100%	10	8	5

Date	Discrete Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	10	16.00%	4	4	-
12/11/2021	15	25.00%	5	5	1
26/11/2021	20	40.00%	7	7	2
10/12/2021	31	80.00%	10	10	3, 4
24/12/2021	35	100.00%	10	10	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem I

Div D

Date	Imperative Programming					Operating Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	13	35%	4	4	1	12	18%	4	4	1
12/11/2021	14	37%	4	4	1	14	35%	5	5	2
26/11/2021	20	55%	6	6	2	19	50%	7	7	2
10/12/2021	26	70%	8	8	3	25	75%	9	9	3
24/12/2021	32	100%	10	10	5	30	100%	10	10	4

Date	Communication Skills					Digital Electronics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	14	18%	3	3	-	13	18%	4	4	1
12/11/2021	15	30%	3	3	1	15	21%	4	4	1
26/11/2021	22	55%	5	5	2	20	51%	6	6	2
17/12/2021	30	82%	8	8	3, 4	26	82%	8	8	3
24/12/2021	35	100%	9	9	5	33	100%	10	8	5

Date	Discrete Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	14	18%	3	3	-
12/11/2021	15	30%	3	3	1
26/11/2021	22	55%	5	5	2
17/12/2021	30	82%	8	8	3, 4
24/12/2021	35	100%	9	9	5

Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem I

Div F

Date	Imperative Programming					Operating Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	13	35%	4	4	1	16	0.2	4	4	1
12/11/2021	14	37%	4	4	1	17	0.25	5	5	2
26/11/2021	20	55%	6	6	2	23 (4hr extra lect)	0.6	6	6	3
10/12/2021	25	70%	8	8	3	23	0.8	7	7	4
24/12/2021	31	100%	10	10	5	27	1	8	8	5

Date	Communication Skills					Digital Electronics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	19	0.25	3	3	1	17	0.23	4	4	1
12/11/2021	20	0.38	4	4	-	19	0.25	4	4	-
26/11/2021	26	0.58	5	5	2	26	0.6	4	4	3
10/12/2021	37	0.9	8	8	3, 4	36	0.89	4	4	4
24/12/2021	40	1	9	9	5	41	1	9	9	5

Date	Discrete Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
29/10/2021	19	0.25	3	3	1
12/11/2021	20	0.38	4	4	-
26/11/2021	26	0.58	5	5	2
10/12/2021	37	0.9	8	8	3, 4
24/12/2021	40	1	9	9	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem III

Div A

Date	Python Programming					Database Management Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	10	24%	1	10%	20%	9	18%	1	1	1
31/07/2021	20	48%	4	40%	20%	16	34%	4	4	2
04/09/2021	31	72%	7	60%	20%	26	58%	7	5	3
09/10/2021	43	96%	11	80%	20%	38	95%	10	6	4
23/10/2021	46	100%	11	100%	20%	39	100%	10	6	5
30/10/2021										

Date	Data Structures					Computer Networks				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	9	25%	1	1	1	7	21%	10%	10%	20%
31/07/2021	17	43%	4	2	2	15	40%	40%	40%	20%
04/09/2021	28	67%	6	4	3	24	70%	60%	60%	20%
09/10/2021	40	95%	9	8	4	36	95%	80%	80%	20%
23/10/2021	42	100%	10	10	5	39	100%	100%	100%	20%

Date	Applied Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	8	20%	NA	NA	1
31/07/2021	17	40%	NA	NA	2
04/09/2021	27	60%	NA	NA	3
09/10/2021	33	80%	NA	NA	4
23/10/2021	41	100%	NA	NA	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.




# AAP Compliance

Date	Python Programming					Database Management Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	8	22%	1	10%	20%	9	18%	1	1	1
31/07/2021	17	42%	4	40%	20%	17	36%	4	1%	2
04/09/2021	27	68%	7	60%	20%	27	60%	6	3%	3
09/10/2021	38	92%	11	80%	20%	36	95%	10	5%	4
23/10/2021	41	100%	11	100%	20%	42	100%	10	5%	5
30/10/2021										

Date	Data Structures					Computer Networks				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	8	24%	1	1	1	9	21%	10%	10%	20%
31/07/2021	18	45%	4	4	2	17	46%	40%	40%	40%
04/09/2021	26	68%	6	6	3	27	75%	70%	50%	60%
09/10/2021	38	80%	7	7	4	40	100%	80%	80%	80%
23/10/2021	41	100%	10	10	5	43	100%	100%	100%	100%

Date	Applied Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	8%	20%	NA	NA	1
31/07/2021	16	40%	NA	NA	2
04/09/2021	27	60%	NA	NA	3
09/10/2021	32	80%	NA	NA	4
23/10/2021	41	100%	NA	NA	5

  
 Principal • •  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem III

Div C

Date	Python Programming					Database Management Systems				
	Lectures	Syllabus	Practcal	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practcal	Practical Assessment	Unit End Assessment
10/07/2021	8	20%	1	10%	20%	9	18%	1	1	1
31/07/2021	17	44%	4	40%	20%	17	35%	4	1	2
04/09/2021	29	70%	6	60%	20%	27	60%	6	3	3
09/10/2021	43	98%	10	80%	20%	36	94%	10	5	4
23/10/2021	46	100%	10	100%	20%	38	100%	10	5	5
30/10/2021										

Date	Data Structures					Computer Networks				
	Lectures	Syllabus	Practcal	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practcal	Practical Assessment	Unit End Assessment
10/07/2021	9	25%	1	1	1	8	21%	10%	10%	20%
31/07/2021	16	42%	3	2	2	16	48%	40%	40%	40%
04/09/2021	26	66%	6	6	3	27	75%	60%	50%	60%
09/10/2021	38	80%	7	7	4	39	95%	80%	80%	80%
23/10/2021	41	100%	10	10	5	41	100%	100%	100%	100%

Date	Applied Mathematics				
	Lectures	Syllabus	Practcal	Practical Assessment	Unit End Assessment
10/07/2021	9	21%	NA	NA	1
31/07/2021	18	40%	NA	NA	2
04/09/2021	28	60%	NA	NA	3
09/10/2021	33	80%	NA	NA	4
23/10/2021	41	100%	NA	NA	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.





# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem III

Div D

Date	Python Programming					Database Management Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	8	22%	1	10%	20%	9	18%	1	1	1
31/07/2021	16	42%	3	40%	20%	17	36%	4	1%	2
04/09/2021	27	72%	7	60%	20%	26	60%	6	3	3
09/10/2021	36	94%	11	80%	20%	35	94%	10	5	4
23/10/2021	38	100%	11	100%	20%	41	100%	10	5	5
30/10/2021										

Date	Data Structures					Computer Networks				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	8	24%	1	1	1	9	21%	10%	10%	20%
31/07/2021	16	42%	4	3	2	18	46%	40%	40%	40%
04/09/2021	26	66%	6	6	3	28	75%	60%	50%	60%
09/10/2021	38	80%	9	7	3	40	100%	80%	80%	80%
23/10/2021	40	100%	10	10	5	43	100%	100%	100%	100%

Date	Applied Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	9	22%	NA	NA	1
31/07/2021	17	40%	NA	NA	2
04/09/2021	27	60%	NA	NA	3
09/10/2021	32	80%	NA	NA	4
23/10/2021	42	100%	NA	NA	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem III

Div F

Date	Python Programming					Database Management Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	9	24%	1	10%	20%	8	16%	1	1	1
31/07/2021	18	45%	4	40%	20%	16	34%	4	1	2
04/09/2021	27	65%	7	60%	20%	27	60%	6	3	3
09/10/2021	38	90%	10	80%	20%	37	97%	10	5	4
23/10/2021	41	100%	11	100%	20%	40	100%	10	5	5
30/10/2021										

Date	Data Structures					Computer Networks				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	8	24%	1	1	1	9	22%	10%	10%	20%
31/07/2021	17	45%	3	3	2	18%	50%	40%	40%	40%
04/09/2021	28	68%	6	6	3	28%	75%	60%	50%	60%
09/10/2021	38	80%	8	8	4	39	95%	80%	80%	80%
23/10/2021	41	100%	10	10	5	41	100%	100%	100%	100%

Date	Applied Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	8	20%	NA	NA	1
31/07/2021	16	32%	NA	NA	2
04/09/2021	27	60%	NA	NA	3
09/10/2021	32	80%	NA	NA	4
23/10/2021	42	100%	NA	NA	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)


Sem III

Div F

Date	Python Programming					Database Management Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	0		0			0		0		
31/07/2021	1	2%	0	1	1	1	2%	0		
04/09/2021	18	40%	3	3	2	18	38%	3	2	2
09/10/2021	35	85%	7	6	4	35	80%	7	5	4
23/10/2021	38	100%	9	9	5	38	90%	9	6	5
30/10/2021						41	100%	9	6	5

Date	Data Structures					Computer Networks				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	-	-	-	-	-	5	20%	-	-	20%
31/07/2021	1	1%	0	0	1	13	50%	30	30	40%
04/09/2021	17	42%	4	2	2	30	80%	80	80%	60%
09/10/2021	32	80%	7	6	3	33	90%	90	90%	80%
23/10/2021	37	93%	8	7	4	39	100%	100%	100%	100%
30/10/2021	40	100%	8	8	5					

Date	Applied Mathematics				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	9	22%	NA	NA	1
31/07/2021	17	40%	NA	NA	2
04/09/2021	27	60%	NA	NA	3
09/10/2021	32	80%	NA	NA	4
23/10/2021	37	100%	NA	NA	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem V

Div A

Date	Software Project Management					Advanced Web Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	8	12%	-	-	-	8	20%	1	1	0
31/07/2021	16	30%	-	-	Unit 1	16	35%	4	4	2
04/09/2021	27	55%	-	-	Unit 2	27	60%	6	6	2
09/10/2021	38	95%	-	-	Unit 3, 4	37	95%	10	10	3
23/10/2021	40	100%	-	-	Unit 5	40	100%	10	10	3 & 4

Date	Internet of Things					Artificial Intelligence				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	9	20%	1	1	-	9	21%	10%	10%	20%
31/07/2021	18	40%		4	2	17	35%	40%	40%	20%
04/09/2021	29	70%		5	3	25	45%	60%	60%	40%
09/10/2021	39	95%		7	4	37	90%	100%	100%	80%
23/10/2021	41	100%		9	9	39	100%	100%	100%	100%

Date	Linux System Administration					Enterprise Java				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	9	22%	10%	10%	20%	9	19%	1	1	
31/07/2021	16	40%	30%	30%	20%	15	30%	4	3	
04/09/2021	26	60%	60%	60%	20%	25	60%	7	5	Unit 2 & 3
09/10/2021	37	80%	80%	80%	20%	37	95%	10%	7%	Mini Project
23/10/2021	40	100%	100%	100%	20%	39	100%	10%	10%	

Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem V

Div A

Date	Software Project Management					Advanced Web Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	8	12%	-	-	-	7	18%	1	1	
31/07/2021	17	30.00%	-	-	Unit 1	15	35%	4	4	1
04/09/2021	27	55%	-	-	Unit 2	26	61%	6	6	Unit 1 & 2
09/10/2021	38	95%	-	-	Unit 3, 4, 5	36	95%	10	10	Unit 3
23/10/2021	40	100%	-	-	Unit 5	38	100%	10	10	Unit 3 & 4

Date	Internet of Things					Artificial Intelligence				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	8	20%	10%	10%	20%	10	25%	1	1	1
31/07/2021	17	40%	30%	30%	40%	18	36%	4	4	2
04/09/2021	27	65%	60%	60%	60%	29	60%	6	6	Unit 1 & 2
09/10/2021	39	90%	100%	100%	90%	40	100%	10	10	Unit 3
23/10/2021	42	100%	100%	100%	100%	42	100%	10	10	Unit 3 & 4

Date	Linux System Administration					Next Generation Technologies				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021						9	23%	1	1	Unit 4
31/07/2021						16	40%	4	2	Unit 1
04/09/2021						27	65%	6	6	Unit 5
09/10/2021						38	97%	10%	8%	OBT - UNIT 2 & 3
23/10/2021						40	100%	10%	10%	Revision

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem V

Div C

Date	Software Project Management					Advanced Web Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	9	14%	-	-	-	9	22%	1	1	
31/07/2021	19	35%	-	-	Unit 1	16	35%	4	4	2
04/09/2021	27	55%	-	-	Unit 2	26	60%	6	6	2
09/10/2021	38	95%	-	-	Unit 3, 4	38	95%	10	10	3
23/10/2021	40	100%	-	-	Unit 5	41	100%	10	10	3 & 4

Date	Internet of Things					Artificial Intelligence				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	8	20%	10%	10%	20%	8	20%	1	1	1
31/07/2021	17	40%	40%	40%	40%	15	33%	4	4	2
04/09/2021	27	65%	60%	60%	60%	25	45%	6	6	Unit 1 & 2
09/10/2021	38	90%	100%	100%	90%	37	90%	10	10	Unit 3
23/10/2021	40	100%	100%	100%	100%	40	100%	10	10	Unit 3 & 4

Date	Linux System Administration					Next Generation Technologies				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021						9	23%	1%	10%	Unit 4
31/07/2021						16	40%	4%	20%	Unit 1
04/09/2021						28	65%	6%	60%	Unit 5
09/10/2021						39	97%	10%	8%	OBT-UNIT 2&3
23/10/2021						42	100%	10%	10%	Revision

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalkar Marg, Vidyalkar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem V

Div D

Date	Software Project Management					Advanced Web Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	9	14%	-	-	-	9	20%	1	1	
31/07/2021	17	30%	-	-	Unit 1	17	35%	3	3	1
04/09/2021	27	55%	-	-	Unit 2	28	62%	6	6	Unit 1 & 2
09/10/2021	39	97%	-	-	Unit 3, 4, 5	39	95%	10	10	Unit 3
23/10/2021	41	100%	-	-	Unit 5	41	100%	10	10	Unit 3 & 4

Date	Internet of Things					Artificial Intelligence				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
10/07/2021	10	25%	10%	10%	20%	8	20%	1	1	1
31/07/2021	19	45%	40%	40%	40%	17	35%	4	4	2
04/09/2021	29	70%	60%	60%	60%	27	45%	6	6	Unit 1 & 2
09/10/2021	39	90%	100%	100%	90%	39	90%	10	10	Unit 3
23/10/2021	41	100%	100%	100%	100%	41	100%	10	10	Unit 3 & 4

Date	Linux System Administration					Next Generation Technologies				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021						8%	20%	1	1	Unit 4
31/07/2021						16%	40%	4	2	Unit 1
04/09/2021						26	65%	6	6	Unit 5
09/10/2021						37	95%	10%	8%	OBT - UNIT 2 & 3
23/10/2021						40	100%	10%	10%	Revision

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

Sem V

Div E

Date	Software Project Management					Advanced Web Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	9	14%	-	-	-	8	19%	1	1	
31/07/2021	17	30%	-	-	Unit 1	17	35%	4	4	1
04/09/2021	27	55%	-	-	Unit 2	27	62%	7	7	Unit 1 & 2
09/10/2021	38	95%	-	-	Unit 3, 4	39	95%	10	10	Unit 3
23/10/2021	40	100%	-	-	Unit 5	41	100%	10	10	Unit 3 & 4

Date	Internet of Things					Artificial Intelligence				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021	9	20%	1	1		8	20%	10%	10%	1
31/07/2021	18	40%		4	2	16	34%	40%	40%	1
04/09/2021	28	68%		5	3	24	40%	60%	60%	2
09/10/2021	38	98%		7	4	36	85%	100%	100%	80%
23/10/2021	40	100%		9	9	39	100%	100%	100%	100%

Date	Linux System Administration					Next Generation Technologies				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
10/07/2021						9%	23%	10%	10%	Unit 4
31/07/2021						16	40%	4%	20%	Unit 1
04/09/2021						28	65%	6%	60%	Unit 5
09/10/2021						40	97%	10%	8%	OBT-Unit 2 & 3
23/10/2021						42	100%	10%	10%	Revision

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.





# AAP Compliance

## B.Sc.IT AAP Compliance Odd Semester (2021-22)

### Sem I

Date	DS					IP				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	14	20%	3	3	-	16	30%	2		-
12/11/2021	16	24%	4	4	1	18	45%	2		1
26/11/2021	22	50%	6	6		24	62%	1		
10/12/2021	28	75%	8	8		29	80%	2		
31/12/2021	35	100%	10	10		34	100%	2		

Date	WT					BC				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	13	35%	3		1					
12/11/2021	14	36%	3		1					
26/11/2021	19	60%	5		1					
10/12/2021	25	80%	7		1					
31/12/2021	31	100%	9		1					

Date	PC				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
29/10/2021	15	16%	2	2	--
12/11/2021	18	20%	4	4	1
26/11/2021	22	45%	5	5	--
10/12/2021	28	67%	6	6	2,3
31/12/2021	35	100%	6	6	4,5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2021-22)

Sem II

Div A

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
26/02/22	12	24%	2	2	1	12	24%	2	2	1
17/03/22	19	47%	5	5	2	19	40%	4	4	2
26/03/22	21	50%	5	5	3	19	40%			2
09/04/22	28	75%	6	6	3	27	65%			3
23/04/22	36	100%	8	7	4					

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
26/02/22	11	28%	2	2	1	9	18%	3	2	1
17/03/22	20	50%	5	5	2	17	45%	5	5	2
26/03/22	20	50%	5	5	3	17	45%	5	5	2
09/04/22	28	70%	7	7		26	70%	7	7%	3%
23/04/22										

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
26/02/22	12	25%	NA	NA	Unit 1
17/03/22	19	43%	NA	NA	Unit 2
26/03/22	19	43%	NA	NA	
09/04/22	28	65%	NA	NA	

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2021-22)

Sem II

Div B

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	11	20%	2	2	1	12	29%	2		
17/03/22	18	45%	5	5	2	19	36%	5	5%	
26/03/22	18	45%	5	5	2	21	42%	6		
09/04/22	26	70%	7			28	82%	7		
23/04/22	34	100%	8	7	4					

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	8	22%	2	2		9	22%	2	2	1
17/03/22	17	42%	5	5		17	44%	5	5	2
26/03/22	17	42%	5	5		16	44%	5	5	2
09/04/22	21	52%	7	7		24	65%	7	7	3
23/04/22										

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	13	26%	NA	NA	Unit 1
17/03/22	21	46%	NA	NA	Unit2
26/03/22	21	46%	NA	NA	Unit2
09/04/22	30	67%	NA	NA	

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2021-22)

Sem II

Div C

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	12	24%	2	2	1	10	20%			1
17/03/22	19	47%	5	5	2	20	40%			2
26/03/22	21	50%	5	5	3	20	40%			2
09/04/22	28	75%	6	6	3	28	65%			3
23/04/22	36	100%	8	7	4					

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	13	32%	2	2	1	11	20%	2	2%	1%
17/03/22	20	50%	5	5	2	19	48%	5	5%	2%
26/03/22	20	50%	5	5	3	19	48%	5	5%	2%
09/04/22	28	70%	7	7		27	69%	7	7%	3%
23/04/22										

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	11	23%			Unit 1
17/03/22	18	40%			Unit 2
26/03/22	18	40%			
09/04/22	26	64%			

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2021-22)

Sem II

Div D

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	11	20%	2	2	1	11	20%	2	2	1
17/03/22	18	45%	5	5	2	20	40%	5	5	2
26/03/22	18	45%	5	5	2	20	40%			2
09/04/22	27	70%	7			28	65%			3
23/04/22	35	100%	8	7	4					

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	11	28%	2	2	1	12	20%	2	2%	1%
17/03/22	17	45%	5	5	2	21	50%	5	5%	2%
26/03/22	17	45%	5	5	3	21	50%	5	5%	2%
09/04/22	27	70%	7	7		29	70%	7	5%	3%
23/04/22										

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	11	23%	NA	NA	Unit 1
17/03/22	20	43%	NA	NA	Unit2
26/03/22	20	43%	NA	NA	Unit2
09/04/22	29	66%	NA	NA	

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2021-22)


Sem II

Div F

Date	Microprocessor Architecture					Numerical Statistical Methods				
	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment
26/02/22	11	20%	2	2	1	12	30%	3		
17/03/22	20	48%	5	5	2	19	40%	5		
26/03/22	20	48%	5	5	2	21	45%	6		
09/04/22	28	70%	7			29	85%	7		
23/04/22										

Date	Web Programming					Object Oriented Programming				
	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment
26/02/22	11	30%	2	2	1	12	30%	2	2	1
17/03/22	18	50%	4	4	2	21	50%	5	5	2
26/03/22	26	75%	6	6	3	21	50%	5	5	2
09/04/22						25	67%	5	7	3
23/04/22										

Date	Green Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
26/02/22	L11	23%	NA	NA	Unit 1
17/03/22	L18	40%	NA	NA	Unit 2
26/03/22	L18	40%	NA	NA	
09/04/22	L26	64%	NA	NA	

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div A

Date	Core Java					Software Engineering				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
24/12/21	13	38%	3	done for all 3	1	13	25%	3	3	1
22/01/22	22	42%	6	done for all 6	2	22	58%	5	3	2
26/02/22	39	98%	8	done	3&4	31	90%	9	6	3
17/03/22	43	100%	10	8	Mini Project	36	100%	10	10	5

Date	Introduction to Embedded Systems					Computer Oriented Statistical Technique				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
24/12/21	13	22%	2	2	1	15	20%	NA	NA	1
22/01/22	22	40%	6		2	24	40%	NA	NA	2
26/02/22	37	98%	9		4	38	95%	NA	NA	3,4
17/03/22	42	100%	9		5	42	100%	NA	NA	5

Date	Computer Graphics and Animation				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
24/12/21	14	22%	3	3(A2 batch)	1
22/01/22	22	40%	6	6(A2 batch)	2
26/02/22	35	95%	9		4
17/03/22	40	100%	11		3

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

### Sem IV

### Div B & D

Date	Core Java					Software Engineering				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	16	40%	3	3	1	14	25%	2	3	1
22/01/22	24	45%	6	6	2	26	60%	4	3	2
26/02/22	38	98%	9	6	3&4	37	96%	9	7	3
17/03/22	43	100%	10	8	Mini Project	41	100%	10	10	5 & Mini Project

Date	Introduction to Embedded Systems					Computer Oriented Statistical Technique				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	12	22%	3	3	1	14	20%	NA	NA	1
22/01/22	21	40%	6		2	23	40%	NA	NA	2
26/02/22	35	96%	9		4	38	95%	NA	NA	3,4
17/03/22	40	100%	11		5	42	100%	NA	NA	5

Date	Computer Graphics and Animation				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	15	24%	3	3	1
22/01/22	23	41%	6	6	2
26/02/22	37	97%	8		4
17/03/22	43	100%	10		3

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.





# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div C

Date	Core Java					Software Engineering				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	17	50%	2		1	15	30%	3	3	1
22/01/22	26	65%	5	5	2	24	59%	5	3	2
26/02/22	40	92%	8	6	3&4	36	92%	9	6	3
17/03/22	45	100%	10	7	Mini Project	40	100%	10	10	5

Date	Introduction to Embedded Systems					Computer Oriented Statistical Technique				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	10	22%	3	3	1	14	20%	NA	NA	1
22/01/22	19	40%	6		2	23	40%	NA	NA	2
26/02/22	34	94%	8		4	37	94%	NA	NA	3,4
17/03/22	39	100%	10		5	42	100%	NA	NA	5

Date	Computer Graphics and Animation				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	14	22%	3		1
22/01/22	22	40%	6		2
26/02/22	35	95%	9		4
17/03/22	40	100%	11		3

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div F

Date	Core Java					Software Engineering				
	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment
24/12/21			3	30%		17	36%	3	3	1
22/01/22			6	50%		26	60%	5	3	2
26/02/22			8	70%		38	94%	9	6	3
17/03/22			10	70%		43	100%	10	10	5

Date	Introduction to Embedded Systems					Computer Oriented Statistical Technique				
	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assignment	Unit End Assessment
24/12/21	17	30%	2	2	1	11	18%	NA	NA	1
22/01/22	27	60%	6	6	2	20	38%	NA	NA	2
26/02/22	39	98%	9	9	3	35	93%	NA	NA	3,4
17/03/22	43	100%	11	11	5	38	100%	NA	NA	5

Date	Computer Graphics and Animation				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	13	22%	2	2	1
22/01/22	22%	40%	5	5	2
26/02/22	35	95%	8		4
17/03/22	40	100%	10		3

*Rakelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 1

Date	Software Quality Assurance					Security in Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
24/12/21	6	1500%	NA	NA	0	9	20%	1	1	1
22/01/22	15	40%	NA	NA	2	17	40%	3	3	2
26/02/22	30	75%	NA	NA	3	31	81%	6	6	3
26/03/22	36	100%	NA	NA	4,5	39	100%	8	8	5

Date	Business Intelligence					Principles of Geographic Information Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
24/12/21	9	20%	1			9	15%	1	-	-
22/01/22	18	40%	4			18	42%	4	30%	2
26/02/22	31	82%	7			34	84%	7	60%	4
26/03/22	36	90%	9			41	100%	9	90%	4
31/03/22						41	100%	10	100%	5

Date	IT Service Management				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
24/12/21	9	20%	1	1	1
22/01/22	20	42%	4	3	2
26/02/22	30	84%	7	7	4
26/03/22	41	100%	9	90%	5
31/03/22	41	100%	10	100%	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 2

Date	Software Quality Assurance					Security in Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	5	12	NA	NA	0	12	30%	1	1	1
22/01/22	15	40.00%	NA	NA	2	17	40.00%	3%	3%	2
26/02/22	29	72%	NA	NA	3	30	90%	7%	7%	3
26/03/22	35	100%	NA	NA	4	35	100%	8%	7%	

Date	Business Intelligence					Principles of Geographic Information Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	7	17%	10%			6	12%	1	-	-
22/01/22	17	42.00%	40%		20%	19	45.00%	4	40%	2
26/02/22	31	82%	700%			33	83%	7	60%	4
26/03/22	36	90%	900%			43	100%	9	90%	4
31/03/22						43	100%	10	100%	5

Date	IT Service Management				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	12	25%	1	1	1
22/01/22	17	40%	4	3	2
26/02/22	30	75%	7	7	3
26/03/22	40	100%	900%	90%	
31/03/22	40	1	10	1	

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 3

Date	Software Quality Assurance					Security in Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	6	15	NA	NA	0	8	20%	1	1	1
22/01/22	15	40%	NA	NA	2	17	40%	3	3	2%
26/02/22	28	73%	NA	NA	3	31	81%	7	7	3%
26/03/22	36	100%	NA	NA	4,5	38	100%	8%	8%	5%

Date	Business Intelligence					Principles of Geographic Information Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	9	20%	1			9	15%	1	-	-
22/01/22	18	40%	4			18	42%	4	30%	2
26/02/22	33	84%	7			34	84%	7	60%	4
26/03/22	40	100%	9			42	100%	10	90%	5
31/03/22						42	100%	10	100%	5

Date	IT Service Management				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	9	20%	1	1	1
22/01/22	18	40%	4	3	2
26/02/22	27	80%	7	7	4
26/03/22	39	100%	9	90	5
31/03/22	39	100%	10	100	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

## B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 2

Date	Software Quality Assurance					Security in Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	6	15	NA	NA	0	10	25%	1	1	1
22/01/22	15	40%	NA	NA	2	15	28%	3	3	
26/02/22	28	70%	NA	NA	3	29	90%	7	7	3%
26/03/22	35	100%	NA	NA	4	35	100%	7	7	

Date	Business Intelligence					Principles of Geographic Information Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	8	20%	10%		Done	7	18%	1	10%	-
22/01/22	17	42%	40%		20%	23	50%	4	40%	2
26/02/22	33	84%	7			36	88%	7	70%	4
26/03/22	40	100%	9			44	100%	10	90%	4
31/03/22						44	100%	10	100%	5

Date	IT Service Management				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	10	20%	1	1	1
22/01/22	15	38%	4	3	2
26/02/22	30	75%	6	6	3
26/03/22	41	100%	9	0.9	
31/03/22	41	1	10	1	

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance

B.Sc.IT AAP Compliance Even Semester (2020-21)

Sem IV

Div 3

Date	Software Quality Assurance					Security in Computing				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	6	15	NA	NA	0	8	20%	1	1	1
22/01/22	15	40%	NA	NA	2	17	40%	3	3	2%
26/02/22	30	74%	NA	NA	3	29	80%	7	7	3%
26/03/22	36	100%	NA	NA	4	38	100%	8%	8%	5%

Date	Business Intelligence					Principles of Geographic Information Systems				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	9	20%	1			9	15%	1	-	
22/01/22	18	40%	4			18	42%	4	30%	2
26/02/22	31	82%	7			33	80%	7	60%	4
26/03/22	36	90%	9			40	100%	10	90%	5
31/03/22						40	100%	10	100%	5

Date	IT Service Management				
	Lectures	Syllabus	Practical	Practical Assessment	Unit End Assessment
24/12/21	8	20%	1	1	1
22/01/22	18	40%	4	3	2
26/02/22	33	86%	7	6	4
26/03/22	40	100%	9	90%	5
31/03/22	40	100%	10	100%	5

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



# AAP Compliance


## B.Sc.DS AAP Compliance Even Semester (2021-2022)

### Sem II

Date	Probability & Distribution					DBMS				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
26/02/22	12	35%	2			10	20%	2	2	1
17/03/22	20	50%	5			18	50%	4	4	2
26/03/22	20	50%	5		1	18	50%	4	4	2
09/04/22	30	80%	7			26	70%	6	6	3
23/04/22	38	100%	8			36	100%	8	7%	4

Date	R Programming					Calculus				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
26/02/22	11	27%	1	1	1	12	30%	2		
17/03/22	18	50%	4	4	2	19	40%	2		
26/03/22	18	50%	4	4	2	19	45%	3		
09/04/22	24	65%	6	6	3	28	80%	5		
23/04/22	35	100%	8	7	4	36	100%	7		

Date	Environmental Science				
	Lectures	Syllabus	Practical	Practical Assessment	Unit Assessment
26/02/22	12	30%	NA	NA	1
17/03/22	19	50%	NA	NA	
26/03/22	19	50%	NA	NA	
09/04/22	27	70%	NA	NA	
23/04/22	32	100%	NA	NA	

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.





**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e - books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Department al Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a**
**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Gain knowledge about basic Accounting Concepts, conventions & principles.
Affective	What do you want students to think / care about?	Understand double accounting system, rules of Debit & Credit
Behavioural	What do you want students to be able to do?	Writing of Journal, Ledger, and final accounts of Trading concerns

**1.b**
**Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related
--------	------------	---------

		Module/s
CO1	Understand Basic accounting Concepts & principle	Unit 1
CO2	Gain knowledge about the double entry system of accounting & rules of Debit & credit	Unit 1
CO3	Writing up of accounts of a sole trading/partnership firm up to finalization of accounts	Unit 1 & 4
CO4	Classify Income & Expenditure into Capital & Revenue	Unit 2
CO5	Value stock and Understand Hire purchase system of sales	Unit 3

### 1.c

**Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '–': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	P O 1 0	P O 1 1	P O 1 2
CO 1	Strong	Strong	Strong	Strong								
CO 2	Strong	Strong	Moderate	Strong								
CO 3	Strong	Moderate	Strong	Strong								
CO 4	Strong	Strong	Strong	Moderate								

*Dr. Ketkar*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Vadgaon (E)  
Mumbai - 400 027



CO 5	Strong	Strong	Strong	Strong								
------	--------	--------	--------	--------	--	--	--	--	--	--	--	--

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category					✓		

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
BBI113	Financial Accounting I	75		--	3	--	--	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Total of IA1 and IA2					
BBI113	Financial Accounting I	20			75			05	100

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**



Divisions	Lectur	Practical (Hrs.)	Tutorial (Hrs.)
-----------	--------	------------------	-----------------

	e (Hrs.)	Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	4 0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Tuesday	12:30pm -13:30pm	X101 & Online

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wazirpeta (E)  
 Mumbai - 400 027



Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction to Accounting	8	25%
2	Classification of Income & Expenditure & Accounting Standards	8	25%
3	Stock Valuation & Hire Purchase	13	25%
4	Final Accounts	11	25%
* Insert rows for more modules in the Course		<b>Total</b>	<b>40</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	11th & 12th Std.	Book keeping	Basic journal, ledger & Final Accounts

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	II	Financial Accounting – II
2		M.Com

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Understanding the Financial results of various companies
2	Maintaining day to day Accounts

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Dec 2021	Dec 2020	Dec 2019	Dec 2018	Dec 2017
---------	-------------------	----------	----------	----------	----------

Course Passing % – Average of 3 Divisions	100%	100%	100%	97.26%	97.18
Marks Obtained by Course Topper (mark/100)	98	95	95	91	89

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	KCM / SSB	100%				
Dec 2019	VRG	100%				

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Thakur  
 Educational Campus, Vashi (E)  
 Mumbai - 400 027



Dec 2018	VRG	97.26				
Dec 2017	VRG	97.18				

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Rectification of Errors	2	Data Base of Entries to be rectified need to be provided

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Introduction to Accountancy	T. S. Grewal	(S.Chand & Co.)		1-4

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Financial Accounting for Management	Maheshwari SN	Pearson		1-2
2	Financial Accounting	Chopde LN			1-4
3	Financial Accounting	Agarwal RK			1-4

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Financial Accounting	University Of Calicut			1-4
2	Financial Accounting I	Dr. Chandra Shekhar			1 & 4

3	Accountancy by The Open University of HongKong	The Open University of Hong Kong			1
---	--	----------------------------------	--	--	---

#### 4.d

#### Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT BombayLibrary]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="http://www.accaglobal.com">http://www.accaglobal.com</a>	Chartered Accountant – ICAI scales new heights of success	1-4
2		Chartered Accountant – Looking for new horizons	1-4
3		Chartered Accountant – Pollinating the growth	1-4
4		Chartered Accountant – Expanding growth	1-4
5		Chartered Accountant – International Taxation	1-4

*Raksha*  
 P. RAKSHA  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Kurla (E)  
 Mumbai - 400 027





6		Chartered Accountant – 67 years as institution of public trust	1-4
---	--	--	-----

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Modu le No.	Category ( Please Tick Mark ) - √						Available InVSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No.,etc.)
	Boo k			Mag a- zine	Journals				
	Text	Referenc e	E-Boo k		Regula r	E-Journa l	Y	N	
1		✓							Unit 1
2		✓							Unit 2
3		✓							Unit 3
4		✓							Unit 4

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content (live.vsit.edu.in)	1-4
2	Online Notes and PPTs ( <a href="http://www.icaiknowledgegateway.org">http://www.icaiknowledgegateway.org</a> )	3-4
3	<a href="https://www.youtube.com/channel/UC245KWpRI8clkTzEsdV5WMw">https://www.youtube.com/channel/UC245KWpRI8clkTzEsdV5WMw</a> (Letstute Accountancy - YouTube)	1-2

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://alison.com/course/fundamentals-of-financial-accounting-revised-2017">https://alison.com/course/fundamentals-of-financial-accounting-revised-2017</a>	Alison	3 hrs	Y

**4.h****Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value-Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)

**4.i****Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
√ <input type="checkbox"/>	√ <input type="checkbox"/>	√ <input type="checkbox"/>	<input type="checkbox"/>	√ <input type="checkbox"/>	

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyapeeth  
Educational Campus, Vaidya (E)  
Mumbai - 400 027



--	--	--	--	--	--

## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	21 <sup>st</sup> June 2021		

We ek	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 /BSA planned to be covered	S	Actual date of Compl etion	COs	Recommen dedPrior Viewing / Reading	
							Lect ur e No. (on LMS)	Chapter No. / Page Nos./ Books/ WebSite
1	1	1	Meaning and Scope of accounting, Book keeping v/s Accounting, Accounting Terms,			CO 1		
	2	1	Accounting Concepts & Conventions, Classification of Accounts, Rules of Debit & Credit (Basic Accounting Terminologies   Basic Terms in Accounting   Letstute Accountancy - YouTube)			CO 1		Video
	3	1	Journal Entries			CO 2		
2	4	1	Journal Entries			CO 2		MS form - Quiz
	5	1	Cash Book			CO 2		

	6	1	Cash Book			CO 2		Assignme nt
3	7	1	Sales & Sales Return Book Purchase & Purchase Return Book			CO 2		
	8	1	Ledger			CO 2		
	9	1	Trial Balance			CO 2		PBL
4	1 0	2	Classification of Income and Expenditure			CO 4		PBL

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyapeeth  
 Educational Campus, Vaidia (E)  
 Mumbai - 400 047.



	1 1	2	Bank Reconciliation Statement			CO 2		Assignme nt
	1 2	2	Bank Reconciliation Statement			CO 2		
5	1 3	2	Errors and their Rectification			CO 2		
	1 4	2	Errors and their Rectification			CO 2		
	1 5	2	Accounting Standards			CO 1		
6	1 6	2	IFRS			CO 1		
	1 7	3	Inventory Valuation –FIFO			CO 5		
	1 8	3	FIFO			CO 5		
7	1 9	3	FIFO			CO 5		
	2 0	3	WA			CO 5		Assignme nt
	2 1	3	WA			CO 5		
8	2 2	3	Combine			CO 5		
	2 3	3	Hire Purchase – Concept			CO 5		MS Form -Quiz
	2 4	3	Practical Problems			CO 5		
	2	3	Practical Problems			CO		

9	5					5		
	2 6	3	Practical Problems			CO 5		Assignme nt
	2 7	3	Practical Problems			CO 5		
10	2 8	3	Practical Problems			CO 5		

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Group, Vidyalankar  
 Educational Campus, Wazalga (E)  
 Mumbai - 400 027



	29	3	Practical Problems			CO 5		
	30	4	Final accounts Introduction & Concept			CO 3		
11	31	4	Manufacturing Account			CO 3		MS Form -Quiz
	32	4	Trading Account			CO 3		
	33	4	Profit and Loss account			CO 3		
12	34	4	Balance Sheet			CO 3		PBL
	35	4	Practical problems			CO 3		Assignment
	36	4	Practical problems			CO 3		
13	37	4	Income & Expenditure account			CO 4		
	38	4	Balance sheet of NPO			CO 4		
	39	4	Practical Problems			CO 4		
14	40	4	Practical Problems			CO 4		

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other)	Other (1) specify	Other (2) specify	Total
--	-------------	----------	-----------------------------	------------------------	---------------------	-------------------	-------------------	-------

					than IA)			
20	20	-	-		40	20		100 Scale Down to 25

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyakankar Marg, Vidyakankar  
 Educational Campus, Vashi (E)  
 Mumbai - 400 047





Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Classification of Accounts & Journal Entries	CO2	2 <sup>ND</sup> Week	2 <sup>ND</sup> Week
2	Classification into Capital & Revenue	CO4	4 <sup>th</sup> Week	5 <sup>th</sup> Week
3	Practical problems on Stock Valuation	CO5	7 <sup>th</sup> Week	8 <sup>th</sup> Week
4	Practical problems on Hire Purchase	CO5	9 <sup>th</sup> Week	10 <sup>th</sup> Week
3	Trial Balance & Final Accounts	CO3	12 <sup>th</sup> Week	13 <sup>th</sup> Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (v)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	2	✓			1		✓		✓	✓
2	4	✓			2		✓		✓	✓
3	7	✓			3		✓		✓	✓
4	9	✓			3		✓		✓	✓
5	13	✓			4		✓		✓	✓

\* Tick (v) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

**Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details**



Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	6 <sup>th</sup> Week	1&2		Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
2 <sup>nd</sup> IA Test					IA is a Head of passing *
Pop Quiz	1 <sup>st</sup> week 5 <sup>th</sup> week 11 <sup>th</sup> week 14 <sup>th</sup> week	1 2 3 4			

Open Book Test	4 <sup>th</sup> week	2			
Take Home Test	3 <sup>rd</sup> week 13 <sup>th</sup> week	1 4			
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

**\* IA failures will have to appear for re-test in next semester**

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			
2					

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			

2					
---	--	--	--	--	--

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	1	Journalise day to day Income & Expense`s	Double entry system & Journal entries	CO 2	
2	2	Classify your daily Income & expenditure	Classification of Income & expenditure	CO 4	

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
-----	----------------------	------------	--

1	Interaction with Outside World	Guest Lecture / Workshops	Hands on workshop on Basics of Accounts for non-commerce students
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	
4		Mini Projects	?
5		Pop Quiz	?
6		Mobile App Based Quiz	
7		Open Book Test	?
8		Take Home Test	Classification of Income & Expenditure
9	Collaborative and Group Activity	Poster Presentation	
10		Minute Papers	Classification of Accounts
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	?
16		Value Added Courses	
17		Lecture Capture Usage	?

**Note: Teaching Pedagogy – 1. Computational Thinking,**

**2. Context-Based Learning.**

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not**

**Planned.** Consolidated Academic Administration Plan Prepared by (mention all theory

teaching faculty names with signature) Faculty 1 Name (Sign.)

Ms. Kavitha Mohan

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

The academic resources available in VSIT –

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e - books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	<del>Watch former lectures captured in LMS at VSIT</del>

**1.a**

**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	It shall enable students to learn and to have a good working practice of mathematical tools for taking appropriate decisions in managerial situation
Affective	What do you want students to think /care about?	During this course students will be provided with primary knowledge regarding some Mathematical techniques to be used in managerial decision making.
Behavioural	What do you want students to be able to do?	At the end of this course students shall gain knowledge about the basic mathematical tools used in business and statistical techniques that facilitate comparison and analysis of business data.

**1.b****Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To understand the concept of Introduction, Organising, data, Frequency Distribution, Data Representation.	Unit 1
CO2	To understand the concept of Measures of Central Tendencies.	Unit 2
CO3	To understand the concept of Measures of Dispersion.	Unit 3
CO4	To understand the concept of Co-variance, Correlation and Regression	Unit 4
CO5	To understand the concept of Probability, Probability Distribution and Decision Theory.	Unit 5
CO6	To understand the concept of Index Numbers.	Unit 6
CO7	To understand the concept of Insurance	Unit 7

**1.c**

Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '–': not mapped)



	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	M											
CO 2		M										
CO 3												
CO 4												
CO 5												
CO 6		S										
CO 7				S								

**1.d** Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e** Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category	✓				✓		

Subject Code		Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
BBI	Quantitative methods	75			3			3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					



BBI	Quantitative methods	20	05	25	75				100
-----	----------------------	----	----	----	----	--	--	--	-----

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
A	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Thopstal  
 Educational Campus, Vasada (E)  
 Mumbai - 400 047



Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Saturday	12:30 TO 1:30	Virtual MS Teams

## 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction, Organising, data, Frequency Distribution, Data Representation.	8	Equal
2	Measures of Central Tendencies.	7	Equal
3	Measures of Dispersion.	7	Equal
4	Co-variance, Correlation and Regression	7	Equal
5	Probability, Probability Distribution and Decision Theory.	4	Equal
6	Index Numbers.	4	Equal
7	Insurance	3	Equal
<b>Total</b>		<b>40</b>	<b>100</b>

## 2.b Prerequisite Courses

No.	Semester/CLASS	Name of the Course	Topic/s
1 2	FYJC (COMMERCE) SYJC(COMMERCE)	Correlation, Regression, Probability, Index Number	4, 5, 6

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	2	MBA

**2.d****Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	Research related activities
2	Investment ( Insurance)
<b>3.</b>	<b>Past Results – Division-Wise and Topic-Wise Result Based Analysis</b>



Detail s	Target - Nov 2021	Nov 2020	Nov 2019
Course Passing % – Average	100%	100%	93.68%
Marks Obtained by Course Topper (mark/100)	100	97	92

	Division A	
Year	Initials of Teacher	% Result
Nov 2020	PSK	100 %
Nov 2019	PSK	93.68%
Nov 2018	PSK	98.63%

Topics which affect results negatively	Modul e Numb er	Recommendations to overcome these issues & improve result in future
Probability	5	Practice & written assignments

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Editio n	Module Nos.
	NA				

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Editio n	Module Nos.
1	Mathematical Statistics	J.K. Goyal and J.N. Sharma	Krishna Prakashan	7	1-6
2	Business Mathematics and Statistics	R.K. Ghosh and S. Saha	New Central Agency Pvt. Ltd	4	1-6

3	Commerce Mathematics	Om P. Chug	Anmol Publication Ltd	2	1-6
4	Mathematics for Economics and Business	J. Soper,	Blackwell Publishing, U.S.A	9	1-6

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Introductory Business Statistics	ALEXANDER HOLMES, THE UNIVERSITY OF OKLAHOMA BARBARA ILLOWSKY, DE ANZA COLLEGE	OpenStax	1 <sup>st</sup>	2,4,5

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT BombayLibrary]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.



Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Journal of Modern Mathematics and Statistics ISSN: 1994-5388	<a href="http://www.journals4free.com/link.jsp?l=8048648">http://www.journals4free.com/link.jsp?l=8048648</a>	1-7

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Modu le No.	Category ( Please Tick Mark ) - V						Available InVSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No.,etc.)
	Boo k			Mag a- zine	Journals		Y	N	
	Text	Referenc e	E- Boo k		Regula r	E- Journ al			
1	✓		✓						Text Book (Vipul), Chapter 1-4, Pg 1-141
2	✓		✓						Text Book (Vipul), Chapter 5-8,Pg 142-221
3	✓		✓						Text Book (Vipul), Chapter 9-10, Pg 222-271
4	✓		✓						Text Book (Vipul), Chapter 11, Pg 272-309

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VSIT campus for previous years.

No.	Websites / Links	Module Nos.
1. 2.	MS Stream Vrefer	All

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
---------	------------------	--	-----------------	---------------------

1	<a href="https://www.udemy.com/course/statistics-literacy-for-non-statisticians/">https://www.udemy.com/course/statistics-literacy-for-non-statisticians/</a>	Udemy Application	10 hrs	N
---	---	-------------------	--------	---

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person /Institute / Industry	Course Duration	Certificate(Y / N)
1	NA			

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	?	?	✓	✓	

  
 Principal • •  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyasagar  
 Educational Campus, Wazirpur (E)  
 Mumbai - 400 027.



--	--	--	--	--	--

## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration			15

We ek	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 /BSA planned to be covered	Actual date of Completi on	COs	Recommen ded Prior Viewing / Reading	
						Lectu re No. (on LMS)	Chapter No. / Page Nos./ Books/ WebSite
1	1	1	Introduction to Syllabus and its application in day to day life				
	2	1	Organizing Data, Frequency Distribution				
	3	1	Measure of Central tendency				
	4	1	preparation of frequency distribution graphical and diagrammatic representation histogram				
2	5	1	frequency polygon and Ogives				
	6	1	Definition of averages and objective of averages types				
3	7	1	Arithmetic mean, Geometric, harmonic mean and its usages				
	8	1	mode and median (using graph also) for both for grouped as well as ungrouped data				
	9	2	Measures of Central Tendencies Definition of Averages and objective of Averages Types of Averages.				



4	10	2	Arithmetic mean, Geometric Mean				
	11	2	Harmonic Mean and its advantages				
	12	2	Disadvantages and usages, mode				

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Vusale (E)  
 Mumbai - 400 027



	13	2	Median				
5	14	2	quartiles, deciles and percentiles for Grouped data				
	15	2	quartiles, deciles and percentiles for ungrouped data				
	16	3	Measures of Dispersion Concept and idea of dispersion				
	17	3	Various measures Range				
6	18	3	Quartile deviation				
	19	3	Mean Deviation				
	20	3	Standard Deviation and corresponding relative measure of dispersion.				
	21	3	Geographical representation measure of Dispersions				
7	22	3	Utility of various is measure of Dispersions				
	23	4	Co-variance, Correlation and Regression Meaning, definition				
	24	4	Application of covariance, concept of correlation				
	25	4	Rank correlation				
8	26	4	regression concept, relationship with correlation				
	27	4	Estimation using Simple Regression: Fitting of straight line				
	28	4	Method of least square				
9	29	4	construction of characteristic line/estimation line				
	30	5	Probability, Probability Distribution and decision Theory				

	31	5	Concept of probability ven diagrams, Rules of Probability conditional & unconditional probability				
	32	5	Baye theorem. Discrete and continuous variable				
	33	5	Expected value of the variable, Decision theory normal distribution				
1 1	33	6	Index Nos. Concept and usage of Index no				
	34	6	Types of index nos. Aggregate and Relative method of constructing Index no				
1 3	35	6	Quantity and Value index no for agricultural, industrial production				
	36	6	Retail Prices, Consumer price index nos. for security prices				
	37	7	Insurance Meaning, Objective, Purpose and need for Insurance				
1 4	38	7	Fundamentals of Insurance				
	39	7	Calculation of age, Premiums, Bonuses, Paid up value of a policy, Maturity Value of the Policy				
	40	7	Claim Calculation and Surrender Value.				

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) specify	Total
--	-------------	----------	-----------------------------	------------------------	-----------------------------	---------------------	-------------------	-------

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wazirpur (E)  
 Mumbai - 400 027.



	5 Marks							5
--	---------	--	--	--	--	--	--	---

**7.**

**Assignments / Tutorials Details (must attach print out of all questions together with AAP)**

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Measures of Central Tendencies	2	3 <sup>rd</sup> week	4 <sup>th</sup> week
2	Measures of Dispersion	3	6 <sup>th</sup> week	7 <sup>th</sup> week
3	Correlation & Regression	4	9 <sup>th</sup> week	10 <sup>th</sup> week
4	Probability Distribution	5	11 <sup>th</sup> week	12 <sup>th</sup> week
5	Index Numbers	6	14 <sup>th</sup> week	15 <sup>th</sup> week

*Rakelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Vasda (E)  
Mumbai - 400 027



### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (V)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	√			1	√	√		√	
2	8	√			2	√	√		√	
3	12	√			3	√	√		√	
4	14	√			4	√	√		√	

\* Tick (√) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test				Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
2nd IA Test					IA is a Head of passing *
Pop Quiz	Unit wise prepared				
Open Book Test	Theory				
Take Home Test	Unit wise prepared				

Class tests / prelims					
Any other test/exams					

**\* IA failures will have to appear for re-test in next semester**

### 9.a

#### Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

### 9.b

#### Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality
---------------	------------	---	----------------------------	--------	-----------------

					Rate (0 to 4)
1					
2					

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1					
2					

#### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Vedic Maths
2		Industrial Visit	
3	Test and Assessme nts	Class Tests – (other than IA)	Class Test on Measures of Central tendency
4		Mini Projects	
5		Pop Quiz	Unit wise
6		Mobile App Based Quiz	Indiabix.com
7		Open Book Test	Decision theory
8		Take Home Test	Topic: Index Number
9	Collaborati ve and Group Activity	Poster Presentation	Unit 7 Insurance
10		Minute Papers	Topic: Formula Book
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	

15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Statistics literacy for non-statisticians(Udemy app)
16		Value Added Courses	
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Ms. Swapna kadam

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Kurla (E)  
Mumbai - 400 027





**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e - books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	<del>Watch former lectures captured in LMS at VSIT</del>

**1.a**
**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Discuss and communicate the management evolution and how it will affect future managers.
Affective	What do you want students to think / care about ?	Observe and evaluate the influence of historical forces on the current practice of management.
Behavioural	What do you want students to be able to do?	Identify and evaluate social responsibility and ethical issues involved in business situations and logically articulate own position on such issues. Explain how organizations adapt to an uncertain environment and identify techniques managers use to influence and control

		the internal environment.
--	--	---------------------------

### 1.b

### Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)

CO No.	Statements	Related Module/s
CO1	Understand the basic concepts of Management	Unit 1
CO2	Practice the process of management's four functions: planning, organizing, leading, and controlling.	Unit 2
CO3	Evaluate leadership styles to anticipate the consequences of each leadership style.	Unit 2 & 3
CO4	Gather and analyze both qualitative and quantitative information to isolate issues and formulate best control methods.	Unit 4

  
 Principal • •  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyasankar Marg, Vidyasankar  
 Educational Campus, Wazirpur (E)  
 Mumbai - 400 027.



**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '–': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	S	S	S								
CO 2	S	S	S	S								
CO 3	S	S	S	S								
CO 4	S	S	S	S								
CO 5												

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '–':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categori es	Mathemat ics	Computi ng / IT / Electronic s	Humaniti es & Soft Skill	Social Scienc e s	Commer ce	Manageme nt	Multidisciplin ary
Tick suitabl e categor y					✓		

Subjec t Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theor y	Practical	Tutoria l	Theory	TW/Practic al	Tutoria l	Tota l
	PO M	75	--	--	3	-	--	3

Subject Name	Examination Scheme
--------------	-----------------------

Subject Code		Theory Marks IA Test			End Sem Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
	PO M	20	05	25	75	--	--	--	75

### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
A	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A			

### 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction to Management	11	25%
2	Management Process	11	25%
3	Organization Structure of Banking and Insurance companies	10	25%
4	Business Leaders	8	25%

* Insert rows for more modules in the Course <b>Total</b>	<b>40 hrs</b>	<b>100%</b>
--	---------------	-------------

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	12 <sup>th</sup> std	Management	Contributions of Author

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyankar Marg, Vidyankar  
 Educational Complex, Vazele (E)  
 Mumbai - 400 027



**2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	I	MMS

**2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	Identify and evaluate social responsibility and ethical issues involved in business situations and logically articulate own position on such issues.
2	Explain how organizations adapt to an uncertain environment and identify techniques managers use to influence and control the internal environment.

**3. Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target - 2021	2020	2019	2018
Course Passing % – Average of 3 Divisions	100	100	95.92	88.23
Marks Obtained by Course Topper ( mark/100)		99	85	84

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
2020	Sindhu	100				
2019	Sindhu	95.92				
2018	HPN	88.23				
2017	HPN	86.45				

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
		Its lengthy Paper but not tough

**4****All the Learning Resources – Books and E-Resources****4.a****List of Text Books (T – Symbol for Text Books) to be Referred by Students**

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Principles of Management	T.Ramaswamy	Himalaya Publications, Mumbai		1 & 2
2	Practices and Principles of Management	L.M. Prasad	S.Chand and Sons Education Publishers, New Delhi.		2 & 3

*Raksha*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027



**4.b****List of Reference Books (R – Symbol for Reference Books) to be Referred by Students**

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Introduction to Management:	M.Y. Khan	Tata McGrawHill.		1
2	Principles of Management	Ravi M Kishore	Prentice Hall		2
3	Principles of Management	T.Ramaswamy	Himalaya Publications, Mumbai		2 & 3
4	Practices and Principles of Management	L.M. Prasad	S.Chand and Sons Education Publishers, New Delhi.		3
5	Business Maharajas	Gita Piramal	Penguin Books, New Delhi		4

**4.c****List of E - Books (E – Symbol for E-Books) to be Referred by Students**

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	The Basics of Business Management – Vol II, Marketing, Logistics, Procurement and Law	Elly R. Twineyo Kamugisha	BookBoon Publication		
2	Effective Management Decision Making An Introduction	Ian Pownall	BookBoon Publication		
3	Organisations	Manmohan Joshi	BookBoon Publication		

*Rakelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027.





**4.d****Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT BombayLibrary]**

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Indian Journal of Management		1-4
2	Journal of Management and Economics		1-4
3	Global Journal of Finance and Management		1-4

**4.e****Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Modul eNo.	Category ( Please Tick Mark ) - V						Availabl eln VSIT Library?		Details of the Resource (i.e. Name, Chapter & PageNo., etc.)
	Boo k			Maga -zine	Journals		Y	N	
	Text	Referenc e	E-Book		Regular	E-Journa l			
1		✓	✓	✓			Y		
2		✓	✓	✓					
3		✓	✓	✓					
4		✓	✓	✓					
5									

**4.f****Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos**

*Daksh*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Wazirpur  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027



Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No .	Websites / Links	Module Nos.
1	<a href="https://youtu.be/P_bqDgkZmuY">https://youtu.be/P_bqDgkZmuY</a>	(1)
2	<a href="https://youtu.be/HBYwpqn1FMk">https://youtu.be/HBYwpqn1FMk</a>	(3)
3	<a href="https://youtu.be/1SuHHul13nY">https://youtu.be/1SuHHul13nY</a>	(3)
4	<a href="https://youtu.be/vo8RSnj0UOA">https://youtu.be/vo8RSnj0UOA</a>	(4)

#### 4.g

**Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.**

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.edx.org/course/management-accounting-acca-fma-f2-x-8">https://www.edx.org/course/management-accounting-acca-fma-f2-x-8</a>	edX	10 weeks	Y
2.	<a href="https://www.edx.org/course/personal-finance-purduex-pn-17-2">https://www.edx.org/course/personal-finance-purduex-pn-17-2</a>		5 weeks	Y

#### 4.h

**Recommended Value Added Courses (VAC)**



Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.coursera.org/learn/corporate-strategy">https://www.coursera.org/learn/corporate-strategy</a>	University of Illinois at Urbana-Champaign	4 weeks	Y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	2021	2021	15

Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 /BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
					Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	Introduction, Definition, Nature and Importance of management				
2	1	Levels of Management and functions at each level and its distinction				

3	1	Six M's of Management and its characteristics				
4	1	Management Is art or profession				
5	1	Traditional Management, its features, and advantages				



6	1	Contemporary Management, its features, and advantages				
7	1	Distinction between Traditional and Contemporary Management				
8	1	Henri Fayol				
8	1	F.W.Taylor				
9	1	Peter.F.Drucker				
9	1	C.K.Prahala				
10	1	Vijay Govindrajan				
10	1	Total quality Management				
11	1	Revision unit 1				
12	2	Management - Process and Practices				
13	2	Features/Nature of Management process				
14	2	Planning- Features /Characteristics of planning				
15	2	Steps in Planning process				
15	2	Components of planning				
16	2	Planning function in banking Organisations				
17	2	Management by Objectives (MBO)				
17	2	Organising				

18	2	Staffing				
19	2	Directing				
20	2	Coordination				
20	2	Communication & Motivating				
21	2	Budgeting				
22	2	Reporting and controlling				
22	2	CRM in Banking Sector & KYC				
24	2	CRM in HDFC, ICICI & LIC				
25	3	Meaning and Definition of Organisation Structure				
26	3	Factors and Importance of Organisation Structure				
27	3	Steps in Designing Structure, Principles of Organisation				
	3	Formal and Informal Organization-Introduction and Meaning	Self-study			
	3	Difference between Formal and Informal Organisation	Self-study( will be evaluated			
28	3	Types of Organisation Structure				
29	3	Departmentation-Definition and Bases of Departmentation				

30	3	Centralisation, Advantages and Disadvantages of Centralisation				
31	3	Organisation structure of banking companies				
32	3	Organisation structure of insurance companies				
33	3	Organisation structure of insurance companies				
33	3	Organisation structure of insurance companies				
34	4	Introduction to Business Leaders, classification of Business leaders				
35	4	JRD TATA and Contributions of JRD TATA				
36	4	RATAN TATA and his leadership Qualities				
37	4	Aditya Vikram Birla and Kumar Managalam Birla, Kiran Maazumdar Shaw				
38	4	Dhirubhai Hirachand Ambani & Sons, Verghese Kurien & Aziz Premji				
39	4	Narayana Murthy & Anand Mahindra				
39	4	Godrej group & Deepak Parekh				
40	4	K.V.Kamath & Uday Kotak, Governor of RBI				

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Mulund (E)  
 Mumbai - 400 027



6.

**Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)**

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) specify	Total
--	-------------	----------	-----------------------------	------------------------	-----------------------------	---------------------	-------------------	-------

	Y				Y	05		05
--	---	--	--	--	---	----	--	----

*Rakelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Complex, Vardana (E)  
Mumbai - 400 027





## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignment given to Students on	Date of Submission
1	Contributions of Henri Fayol, Peter. Drucker, F.W.Taylor	CO1		
2	Explain in detail Organising and staffing	CO2		
3	Brief Organisation structure of banking companies and Insurance Companies	CO3		

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (v)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1		Y			1		Y	Internet	Y	Y
2		Y			2		Y	Internet	Y	Y
3		Y			3		Y	Internet	Y	Y

\* Tick (v) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open

Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – *from Points 4.a to 4.d*

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test				Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks	No IA Re-test

<del>2<sup>nd</sup></del> IA Test				Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	IA is a Head of passing *
Pop Quiz		Yes			
Open Book Test		Yes			
Take Home Test		Yes			
Class tests / prelims	Mar	Yes			
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		SCAMPER TECHNIQUE			

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality(0 to 4)
1		NA			

#### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	YES
3	Test and Assessments	Class Tests – (other than IA)	
4		Mini Projects	
5		Pop Quiz	Yes
6		Mobile App Based Quiz	
7		Open Book Test	Yes
8		Take Home Test	
9	Collaborative and Group Activity	Poster Presentation	
10		Minute Papers	
11		Students Seminar	
12		Students Debates	Yes
13		Panel Discussion / Mock GD	YES
14		Mock Interview	Y
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	
16		Value Added Courses	
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Sindhu .K

Faculty 1 Name (Sign.)  
Name(Sign.)

Faculty 2 Name (Sign.)

Faculty 3

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)





Head of Dept.

VSIT Cluster Mentor Name (Sign.)  
(Sign.)

---



Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Puzosla (E)  
Mumbai - 400 627



**Version 2021-22**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e - books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a** **Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To enhance language proficiency and communication skills, to improve the learners' written language and increase the range of lexical resource through a variety of exercises
Affective	What do you want students to think / care about?	To enable understanding about the importance of proficiency in communication in order to improve career prospects and growth.
Behavioural	What do you want students to be able to do?	To easily correspond in all types of corporate communication.

**1.b** **Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

*Rakel*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Mulund (E)  
Mumbai - 400 077



CO No.	Statements	Related
--------	------------	---------

		Module/s
CO1	To familiarize the learners to various communication technologies used to overcome communication barriers	Unit 1
CO2	To train the students to be comfortable with and know about various types and the importance of group communication	Unit 2
CO3	To enhance written language proficiency in business correspondence	Unit 3
CO4	To acquaint the students with report writing and the various types of reports	Unit 4

### 1.c

**Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	M	M	S	S	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
CO 2	M	M	S	S	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
CO 3	M	M	S	S	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
CO 4	M	M	S	S	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
CO 5												

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Vudhara (E)  
 Mumbai - 400 027



**1.d****Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e****Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category			✓		✓		

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
UBMS204	Business Communication - II	75	-	-	03		-	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	T W	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
UBMS204	Business Communication - II	20	05	25	75	-	-	-	100

**1.f****Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4



A	3	N.A	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
---	---	-----	------	------	------	------	------	------	------

**1.g** Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Tuesday		Staff room

**2.a** Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
------------	--------------------------------	-------------------------------	---



1	Presentation Skills	7	25
2	Group Communication	15	25
3	Business Correspondence	10	25
4	Language and Writing Skills	8	25
* Insert rows for more modules in the Course		<b>Total</b>	<b>40 lectures)</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	1	Business Communication - I	ALL

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	1	Masters of Management Studies
2		Masters in Business Administration
3	VI	Project –Synopsis writing

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Use of communication technologies such as OHP and PowerPoint Presentation
2	Group Discussions, Interviews, Meetings and Conferences
3	Written business correspondence such as letters and reports

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target May -22	Mar 2021	Mar 2020	Mar 2019
Course Passing % – Average of 3 Divisions	100%	100%	100%	98.46%

Marks Obtained by Course Topper ( mark/100)	85	83	85	86
---	----	----	----	----

Division A		
Year	Initials of Teacher	% Result
Mar-2021	Snehaprabha Katti	100%
Mar 2020	Snehaprabha Katti	100%
Mar 2019	Snehaprabha Katti	98.46%
Mar 2018	Snehaprabha Katti	98.6%

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Business Correspondence	3	Written practice
Language and Writing Skills	4	Written practice and examples
Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Business Correspondence	3	Written practice
Language and Writing Skills	4	Written practice and examples

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition Year of Publication	Module Nos.
1	Effective Communication	Balan, K.R. and Rayudu C.S.	Beacon New Delhi	1996	All
2	Business Communication, today	Bovee Courtland, L and Thrill, John V	McGraw Hill, New York, Taxman Publication	1989	All
3	Modern Business Correspondence	Garlside, L.E.	McDonald and Evans Ltd. Plymouth.	1980	III

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	<i>Business Communication</i>	Meenakshi Raman & Prakash Singh	Oxford University Press		III and IV
2	<i>Professional communication</i>	Aruna Koneru	Tata McGraw Hill		III and IV
3	<i>Business Communication - II</i>	Rhoda A Doctor, Aspi H. Doctor et al	Sheth		ALL

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
--------	----------------	----------	-----------	---------	-------------

1.	Modern Business, Vol. 12 <a href="http://library.umac.mo/ebooks/b31303316.pdf">http://library.umac.mo/ebooks/b31303316.pdf</a>	Harrison McJohnston, A.M	Alexander Hamilton Institute , New York	I	III and IV
----	---	--------------------------------	---	---	------------

#### 4.d

#### Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	
1	Communication Today	lib.mylibrary.com	

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027



**4.e** Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Modu le No.	Category ( Please Tick Mark ) - v						Available InVSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Boo k			Mag a- zine	Journals		Y	N	
	Text	Referenc e	E-Book		Regula r	E- Journ al			
1		✓						✓	Semester II, Sheth Publishers Pvt.Ltd. By Rhoda A. Doctor, Aspi H. Doctor et al

**4.f** Web Links for Online Notes/YouTube/VSIT Digital Content/~~VIT Lecture Capture~~/NPTEL Videos

~~Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.~~

No.	Websites / Links	Module Nos.
1	Digital Content ( live.vsit.edu.in )	1-4
2	PPTs	1-4

**4.g** Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.udemy.com/business-communication-crash-course/">https://www.udemy.com/business-communication-crash-course/</a>	Eleventure Team	60 lectures	Y
2.	Soft skills and personality development	NPTEL	8 weeks	Y

**4.h** Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Workshop on Basics of Grammar	Institute	10 Hrs	Y

**4.i****Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Solutions of the Regular and ATKT Exams written by the Faculty Members-

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalanagar Marg, Vidyavanesh  
 Educational Campus, Vasda (E)  
 Mumbai - 400 027



## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	31/1/22	April 22	12

Week No.	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 /BSA planned to be covered	Actual date of Completi on	COs	Recommend ed Prior Viewing / Reading	
						Lectu re No. (on LMS)	Chapter No. / Page Nos./ Books/ WebSite
1	1	I	C		CO1		
	2	I	Principles of Effective presentation.Do's and Don'ts of Effective Presentation		CO1		
	3	I	Effective use of visuals aids inPresentation. Paralanguage/ voice/ pronunciation inthe presentation		CO1		
2	4	I	Guidelines for Effective Presentation.Audience in the Presentation		CO1		
	5	I	Effective use of OHP		CO1		
	6	I	How to make power point presentation.Different designs/fonts/colours		CO1		
3	7	I	Practice sessions for the students		CO1		
	8	II	Interviews – Concept and Types-Selection /WASP Technique		CO2		



	9	II	Interviews – Appraisal, Grievance , Exit Interview (Open book Test -Unit I )		CO2		
4	10	II	Conduct of an Interview , Preparation by an Interviewer and Interviewer P: Interview Technique		CO2		
	11	II	FAQs in Interview ,Advantages and Disadvantages		CO2		

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Vashi (E)  
 Mumbai - 400 077



	12	II	Group Discussion – Concept , Reasonsto conduct, Skills and Importance		CO2		
5	13	II	Group Discussion- Organising G.D .Do's and Don'ts .		CO2		
	14	II	G.D		CO2		
	15	II	Meeting – Concept, Need and Importance Types and conduct of a meeting		CO2		
6	16	II	Meeting – Group dynamics and role ofa chairperson and participants		CO2		
	17	II	Notice and Agenda		CO2		
	18	II	MOM( Minutes of Meeting )Revision		CO2		
7	19	II	Conferences – Concept, Planning, importance and organising aconference		CO2		
	20	II	Conferences – Modern Methods ofconferences- Tele and Video Conferencing		CO2		
	21	II	Public Relations-Meaning, Need,Purpose		CO2		
8	22	II	Public Relations- Function , Internal andMeasures of PR.		CO3		
	23	III	Business Correspondence- Letters ofInquiry, Replies		CO3		
	24	III	Business Correspondence- Letters ofInquiry, Replies		CO3		
9	25	III	Letters of Complaint, Claims		CO3		
	26	III	Letters of Adjustments		CO3		

	27	III	AIDA and Sales Letters		CO3		
10	28	III	AIDA and Sales Letters		CO3		

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vajrapur  
 Educational Campus, Vrusala (E)  
 Mumbai - 400 027.



6.

**Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)**

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other(2) specify	Total
						5		5

*Rakelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 027



# 7.

## Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	<b>Assignment 1-</b> 1) State and explain the types of deliveries in presentation, 2) write short notes on – a) Audience analysis b) Use of visual aids in Presentation c) Appearance of the Presenter.	CO1	Week 2	Week 3
2	<b>Assignment 2-</b> State and describe in brief the types of Interviews. (Assignment 2) Describe in detail the role of the Chairperson and the participants during Meeting	CO2	Week 5	Week 6
3	Assignment 3-a) Letters of Inquiry and sales letter	CO3	Week 7	Week 7
4	Assignment 4- Feasibility report ( committee report)	CO4	Week 10	Week 10

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (v)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	Week 2	<input checked="" type="checkbox"/>			1				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Week 5				2				<input checked="" type="checkbox"/>	
3	Week 7				3				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Week 10				4				<input checked="" type="checkbox"/>	

\* Tick (v) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – *from Points 4.a to 4.d*

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	Mid of March	I and II		Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
<del>2<sup>nd</sup> Test</del>					IA is a Head of passing *
Pop Quiz	<del>January</del>				
Open Book Test	February	II	CO2		
Take Home Test	March	III	CO3		
Class tests /prelims	10 <sup>th</sup> 20 <sup>th</sup> /30 <sup>th</sup> 38 <sup>th</sup> lecture	I,II,II,&IV respectively	CO1 to CO4		
Debate		II	CO2		
Poster Competition	March	III	CO3		

\* IA failures will have to appear for re-test in next semester

*Principle*  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Vusgaia (E)  
Mumbai - 400 027



### Internal Evaluation Pattern

Sr. No.	Criteria	Evaluation	Subject wise Marking Scheme			
			Subject 1	Subject 2	Other Subjects	Mark
1.	Attendance					20
2.	Unit wise class Test	20 MCQ ( 20*0.5 mark* 4 test)				40
3.	Midterm	Descriptive Exam				20

4.	Individual Presentation		20	-	-	20
5.	Mini Project - Group	Content + Presentation (5/6 in a group)	-	20	-	
6.	Handwritten Assignment	4 per subjects	-	-	20	
	Total Mark					100
Final Internal Mark = Total Mark / 4						Your Mark

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Vashi (E)  
 Mumbai - 400 027



**9.a Practical Activities – Regular Experiments**

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Presentation	Effective power point presentation, oral presentation and persuasive strategies	CO1	
2		Mock Interview	Preparing students for interviews	CO2	
3		Group Discussion	Conversation Skills and analytic ability	CO2	
4		Trade Letters	Written corporate communication	CO4	

**9.b Practical Activities – Newly Added Experiments**

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Blog Writing / Vlog making		CO4	

**9.c Practical Activities – PBL Experiments**

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	III	Case study Analysing resumes of renowned personalities	Effective Written Communication	CO3	

**10. Beyond Syllabus Activities for Gap Mitigation**

No.	Activities	Details – no of attendees, guest, feedback, mark sheet, report
-----	------------	--



1	Interaction with Outside World	Guest Lecture / Workshops	Basic Grammar workshop -
2	Test and Assessments	Class Tests – (other than IA)	Yes
3		Pop Quiz	Yes
4		Open Book Test	2nd Week
5		Take Home Test	10th Week
6	Collaborative and Group Activity	Students Debates	NA
7		Panel Discussion / Mock GD	Yes 4th Week
8	Co-curricular Courses	Mock Interview	Yes 3 <sup>rd</sup> Week
9		Videos	Y
10		Room 101 Competition	NA

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Kurla (E)  
 Mumbai - 400 042



**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature) L

Snehaprabha Katti

Rumeli Sharma

Lakshmi Pillai

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)


Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External  
Academic Mentor

(Sign.)

Rumeli Sharma  
VSIT Cluster Mentor Name (Sign.)  
(Sign.)

  
Sindhu Krishnan  
Head of Dept.



**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e - books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Department al Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a**
**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Gain knowledge about basic Accounting Concepts, conventions & principles.
Affective	What do you want students to think / care about?	Understand Valuation of Goodwill & Shares
Behavioural	What do you want students to be able to do?	Practically evaluate the performance of a company by valuation techniques & pass journal entries of redemption of Preference shares and debentures.

**1.b****Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To Understand Valuation of Goodwill & Shares	Unit 1
CO2	Gain knowledge about Buy Back of shares	Unit 2
CO3	To Understand Redemption of Preference shares	Unit 3
CO4	To Understand Redemption of Debentures	Unit 4

**1.c****Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '–': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

*Raksha*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027



**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '–':not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categorie s	Mathemati cs	Computi ng / IT / Electron ics	Humaniti es& Soft Skill	Social Scienc es	Commerc e	Manageme nt	Multidisciplin ary	
Tick suitable category					✓			
Examination Scheme								
Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
20	Financial Accounting II	75	20	--	3	40	--	3

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
A	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Friday	2pm -3:00pm	Reading Room

## 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Valuation of Goodwill and Shares	8	25%
2	Buyback of equity shares	9	25%
3	Redemption of preference shares	12	25%
4	Redemption of debentures	11	25%
* Insert rows for more modules in the Course		<b>Total</b>	<b>40hrs</b>
			<b>100%</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	I	FY Course	Financial Accounting -1

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	V	Auditing
2	Vi	Auditing II

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course

1	Understanding the Financial results of various companies. Analyze the valuation of businesses as well as terms of Mergers and Acquisitions
2	Understand the different sources of funds and costs of it . Also, the procedure behind the IPO and right issues.
<b>3.</b>	<b>Past Results – Division-Wise and Topic-Wise Result Based Analysis</b>

Details	Target APR 2022	APR 2021	APR 2020	APR 2019
---------	-----------------	----------	----------	----------

Course Passing % – Average of 3 Divisions	100 %	100%	100 %	100%
Marks Obtained by Course Topper (mark/100)	95	95	91	89

Division A		
Year	Initials of Teacher	% Result
APR 2021	SheryasB Sir	100%
APR 2020	Kavita ma'am	100%

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Redemption of Preference Shares & debentures	3 & 4	More Practice and revision from time to time as well as small tests

*Dr. Kelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vaze College  
Educational Campus, Vaze College  
Mumbai - 400 027



## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Introduction to Accountancy	T.S. Grewal	S. Chand and Company (P) Ltd., New Delhi	Jan 2016	
2	Financial Accounting for Management	Dr. Dinesh Harsolekar	Multi-Tech. Publishing Co	4 <sup>th</sup>	
3	Financial Accounting a Managerial Perspective	Varadraj B. Bapat, Mehul Raithatha,	Tata McGraw Hill Education Pvt. Ltd.	July 2017	
4	Financial Accounting	P.C. Tulsian	Pearson Publications	4 <sup>th</sup>	

### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Financial Accounting	Williams	Tata Mc. Grow Hilland Co.	4 <sup>th</sup>	
2	Introduction to Financial Accounting	Horngren	Pearson Publications	2014	



3	Financial Management	Prassana Chandra	Tata McGraw Hill	7th	
---	----------------------	------------------	------------------	-----	--

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr . N o	E- Book Titles	Author/s	Publisher	Editio n	Module Nos.
1	Financial Accounts	Rajasekaran	Pearson		
2	Introduction to Financial Accounting	Hornrgren ,Sundem, Elliot,D, Hilbrick		Global	
3	Fundamentals of Accounting and FinancialAnalysis	Anil Chowdhury	Pearson	1	1&2

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT BombayLibrary]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-JournalsRecommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Modu le Nos.
1	TechJava - Journal on Java Technology www.techjava.de/	<a href="https://docs.oracle.com/javase/tutorial/">https://docs.oracle.com/javase/tutorial/</a>	1-5
2	Developmet of JAVA Development Resource Center <a href="https://ejournals.ph/article.php?id=8986">https://ejournals.ph/article.php?id=8986</a>	<a href="https://www.w3schools.in/java-tutorial/">https://www.w3schools.in/java-tutorial/</a>	1-5
3		<a href="https://www.w3resource.com/java-tutorial/">https://www.w3resource.com/java-tutorial/</a>	1-3
4		<a href="http://javamag.org/">javamag.org/</a>	4-5
5		<a href="https://www.tutorialspoint.com/java/">https://www.tutorialspoint.com/java/</a>	1-4
6		Java Magazine, Sept/Oct 2017 <a href="http://www.javamagazine.mozaicreader.com/">www.javamagazine.mozaicreader.com/</a>	

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & givedetails

Modu	Category ( Please Tick Mark ) - v			Available InVSIT Library?	Details of the Resource
	Boo		Journals		

le No.	k			Mag a- zine			Y	N	(i.e. Name, Chapter & Page No.,etc.)
	Text	Referenc e	E- Boo k		Regula r	E- Journ al			
1	✓	✓					✓		Chapter 1
2	✓	✓					✓		Chapter 2
3	✓	✓					✓		Chapter 3
4	✓	✓					✓		Chapter 4

4.f

Web Links for Online Notes/YouTube/VSIT Digital Content/**VIT Lecture**  
**Capture**/NPTELVideos



Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate(Y / N)
1	<a href="https://alison.com/course/fundamentals-of-financial-accounting-revised-2017">https://alison.com/course/fundamentals-of-financial-accounting-revised-2017</a>	Alison	3 hrs	Y
2	<a href="https://alison.com/course/introduction-to-financial-accounting-concepts-for-decision-making">https://alison.com/course/introduction-to-financial-accounting-concepts-for-decision-making</a>	Alison	6 hrs	Y

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person /Institute / Industry	Course Duration	Certificate(Y / N)
1				

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
√ <input type="checkbox"/>	√ <input type="checkbox"/>	<input type="checkbox"/>	√ <input type="checkbox"/>	√ <input type="checkbox"/>	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	/01/2022	March 2022	15

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Kurla (E)  
 Mumbai - 400 029



Week	Lecture no	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site

  
 Principal -  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalkar Marg, Vidyalkar  
 Educational Campus, Vastana (E)  
 Mumbai - 400 027



1	1	1	Introduction to Syllabus – and a group activity		CO1		
	2	1	Valuation of Goodwill, Maintainable Profit method – Practical problem		CO1		
	3	1	Super Profit Method Capitalization method – Practical problem, Annuity Method – Practical problem		CO1		
2	4	1	Practical Problem, Take home Assignment		CO1		
	5	1	Introduction of Valuation of Shares , IV method & Yield method and Fair Value Method		CO1		
	6	1	Practical Problem		CO1		
3	7	1	Practical Problem & Take Home Assignment		CO1		
	8	2	Introduction to issue of shares, Provisions, compliance & limits		CO2		
	9	2	Practical Problems		CO2		
4	10	2	Practical Problems – Open Book Test		CO2		
	11	2	Practical Problems		CO2		
	12	2	Practical Problems –		CO2		
5	13	3	Practical Problems first 2 modules		CO2		
	14	3	Practical Problems first 2 modules, Minute Paper		CO2		

	15	3	Revision of first 2 modules		CO2		
6	16	3	Introduction of Redemption of preference shares		CO3		
	17	3	Company law, legal provisions , sources of redemption		CO3		
	18	3	Formulas and Formats with one simple sum		CO3		
7	19	3	Practical Problem		CO3		
	20	3	Practical Problem-		CO3		

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Wadgaon  
 Educational Campus, Wadgaon (E)  
 Mumbai - 400 027.



	21	3	Practical Problem		CO3		
8	22	3	Practical Problem- Take Home Assignment		CO3		
	23	3	Practical Problem		CO3		
	24	3	Practice & Class Test		CO3		
9	25	3	Practical Problem		CO3		
	26	3	Practical Problem Minute Paper		CO3		
	27	3	Revision		CO3		
10	28	4	Introduction to Redemption of Debentures , payment out of capital or profit, DRR, sinking fund		CO4		
	29	4	Formulas and Formats with one simple sum		CO4		
	30	4	Practical Problem		CO4		
11	31	4	Practical Problem		CO4		
	32	4	Practical Problem Take Home Assignment		CO4		
	33	4	Practical Problem		CO4		
12	34	4	Conversion Practical Problem		CO4		
	35	4	Practical Problem		CO4		
	36	4	Revision Minute Paper		CO4		
13	37	4	Problem solving from all 4 modules		CO4		
	38	4	Problem solving from all 4 modules		CO4		
	39	4	Problem solving from all 4 modules		CO4		
	40	4	Problem solving from all 4 modules		CO4		


## 6.

**Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)**



Lecture + Practical (% Attendance) & Marks	Assig n- ment s	Tutorial	Lab / Practical Performa nce	Lab Journal Assessme nt	Clas s Tests (Oth er than IA)	Other (1) specif y	Other (2) specif y	Total
--	--------------------------	----------	---------------------------------------	----------------------------------	--	-----------------------------	-----------------------------	-------

--	--	--	--	--	--	--	--	--

  
 Principal •  
 VIDYALAKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyakarkar Marg, Vidyakarkar  
 Educational Campus, Vasai (E)  
 Mumbai - 401 207





**7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)**

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Problem Solving on valuation of Goodwill and Shares	CO1		
2	Problem Solving on valuation of Goodwill and Shares	CO1		
3	Problem Solving of Buyback of Shares	CO2		
4	Problem on Redemption of Preference Shares	CO3		
5	Problem on Redemption of Debentures	CO4		

**Analysis of Assignment / Tutorial Questions and Related Resources**

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (v)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	4	√	√		1	√	√		√	√
2	7	√	√		1	√	√		√	√
3	22	√	√		2	√	√		√	√
4	32	√	√		3	√	√		√	√
5	38	√	√		4	√	√		√	√

\* Tick (v) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

**Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT)Details**

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
<b>1<sup>st</sup> Unit Test</b>	4 <sup>th</sup> week	1, 2	CO1,CO2	<b>MC Q</b>	

2 <sup>nd</sup> Unit Test	22 <sup>nd</sup> week	3& 4	CO 3& 4		
Pop Quiz	All Months	1,2,3,4	CO1,CO2,CO3,CO4	Microsoft Form	
Open Book Test	December, February	2,4	CO2,CO4	Descriptive	
Take Home Test	March	4	CO4	Flip Classroom	
Class tests / prelims	December, March	1,4	CO1,CO4	MCQ	
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Valuation of Goodwill of a Company	Methods of calculation	CO1	
2	2	Valuation of Shares and Comparing with the market cap and analysing the performance of a company	Valuation	CO2	

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Study the terms of a Merger highlighting the Goodwill valuation (Capital first & IDFC )	Valuation of Good will	CO1	
2					

**9.c****Practical Activities – PBL Experiments**

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1					
2					

**10.****Beyond Syllabus Activities for Gap Mitigation**

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Yes
4		Mini Projects	
5		Pop Quiz	Yes
6		Mobile App Based Quiz	
7		Open Book Test	Yes
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	Yes
11		Students Seminar	
12		Students Debates	Yes
13		Panel Discussion / Mock GD	
14		Mock Interview	

15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes
16		Value Added Courses	Yes
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1 Name  
(Sign.) Khushboo  
Kothari Julka



### AAP Compliance

#### SEM I - Financial Accounting

Course - FYBBI

Faculty - Kavitha Mohan

- I

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	09:00 - 10:00	Meaning and Scope of accounting, Book keeping v/s Accounting, Accounting Terms,	Quiz;	Powerpoint;	21
21-09-2021	11:30 - 12:30	Accounting Concepts & Conventions, Classification of Accounts, Rules of Debit & Credit	Quiz;	Powerpoint;	33
22-09-2021	10:15 - 11:15	Practical problem on Working Capital Management	Viva;	Powerpoint;	46
23-09-2021	10:15 - 11:15	Problems on Classification of Accounts	Viva;	Powerpoint;	31
25-09-2021	11:30 - 12:30	Journal Entries	Viva;	Powerpoint;	41
27-09-2021	09:00 - 10:00	Journal Entries	Viva;	Powerpoint;	37
28-09-2021	11:30 - 12:30	Cash Book	Viva;	Powerpoint;	39
30-09-2021	10:15 - 11:15	Cash Book	Viva;	Powerpoint;	39
05-10-2021	11:30 - 12:30	Ledger	Viva;	Powerpoint;	46
07-10-2021	09:00 - 10:00	Ledger	Viva;	Powerpoint;	42
09-10-2021	11:30 - 12:30	Trial Balance	Quiz;	Powerpoint;	42
12-10-2021	11:30 - 12:30	Trial Balance	Viva;	Powerpoint;	46
14-10-2021	10:15 - 11:15	Classification of Income and Expenditure	Quiz;	Powerpoint;	32
16-10-2021	11:30 - 12:30	Bank Reconciliation Statement	Viva;	Powerpoint;	39
21-10-2021	09:00 - 10:00	Bank Reconciliation Statement	Viva;	Powerpoint;	35
23-10-2021	11:30 - 12:30	Bank Reconciliation Statement	Viva;	Powerpoint; Flipped classroom;	45
25-10-2021	09:00 - 10:00	Errors and their Rectification	Viva;	Powerpoint;	45

26-10-2021	11:30 - 12:30	Errors and their Rectification	Viva;	Powerpoint;	36
27-10-2021	10:15 - 11:15	Errors and their Rectification	Viva;	Powerpoint;	39
28-10-2021	11:30 - 12:30	IFRS	Viva;	Powerpoint;	42
11-11-2021	11:30 - 12:30	Inventory Valuation –FIFO	Viva;	Powerpoint;	41
13-11-2021	11:30 - 12:30	FIFO	Viva;	Powerpoint;	35
15-11-2021	09:00 - 10:00	Weighted Average Method	Viva;	Powerpoint;	44
16-11-2021	11:30 - 12:30	Combine	Viva;	Powerpoint;	36
18-11-2021	10:15 - 11:15	Hire Purchase – Concept & Journal Entry	Viva;	Powerpoint;	43
20-11-2021	11:30 - 12:30	Practical Problems - Hire Purchase	Viva;	Powerpoint;	39
23-11-2021	11:30 - 12:30	Practical Problems - Hire Purchase	Viva;	Powerpoint;	41
27-11-2021	11:30 - 12:30	Practical Problems - Hire Purchase	Viva;	Powerpoint;	34
30-11-2021	10:15 - 11:15	Practical Problems - Hire Purchase	Viva;	Powerpoint;	30
02-12-2021	10:15 - 11:15	Final accounts Introduction & Concept	Viva;	Powerpoint;	41
06-12-2021	09:00 - 10:00	Explanation of Adjustments	Viva;	Powerpoint;	35
07-12-2021	11:30 - 12:30	Practical problems	Viva;	Powerpoint;	33
09-12-2021	10:15 - 11:15	Practical problems	Viva;	Powerpoint;	36
13-12-2021	09:00 - 10:00	Practical problems	Viva;	Powerpoint;	35
14-12-2021	11:30 - 12:30	Practical problems	Quiz;	Video clips;	35
16-12-2021	11:30 - 12:30	Practical Problems	Poll;	Powerpoint;	30

Course - FYBBI		Faculty - Swapna Kadam		SEM I - Quantitative Methods-I	
Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	10:15 - 11:15	Mathematics Games & Interaction	Quiz;	Powerpoint;	17
21-09-2021	10:15 - 11:15	AAP of QM	Quiz;	Powerpoint;	30
24-09-2021	11:30 - 12:30	Arithmetic Mean for Discrete data	Take Home Assignments;	Powerpoint;	37
27-09-2021	10:15 - 11:15	Mean for Continuous Data & Intro to Combined mean	Take Home Assignments;	Powerpoint;	40
28-09-2021	10:15 - 11:15	Combined Mean & Weighted mean	Take Home Assignments;	Powerpoint;	42
01-10-2021	11:30 - 12:30	Median for Raw data	Take Home Assignments; Viva;	Powerpoint;	42
04-10-2021	10:15 - 11:15	Arithmetic mean, Geometric, harmonic mean and its usages	Viva;	Powerpoint;	49
05-10-2021	10:15 - 11:15	mode and medium (using graph also) for both) for grouped as well as ungrouped data	Take Home Assignments;	Powerpoint;	46
08-10-2021	11:30 - 12:30	Measures of Central Tendencies Definition of Averages and objective of Averages Types of Averages.	Take Home Assignments;	Powerpoint;	47
11-10-2021	10:15 - 11:15	Mode example	Take Home Assignments;	Powerpoint;	45
12-10-2021	10:15 - 11:15	Quartile examples	Take Home Assignments;	Powerpoint;	48



18-01-2022	10:15 - 11:15	Graph Examples	Viva;	Powerpoint;	48
22-10-2021	11:30 - 12:30	Graph Types	Take Home Assignments;	Powerpoint;	42
25-10-2021	10:15 - 11:15	quartiles, deciles and percentiles for Grouped data	Take Home Assignments;	Powerpoint;	46
26-10-2021	10:15 - 11:15	quartiles, deciles and percentiles for ungrouped data	Viva;	Powerpoint;	44
29-10-2021	11:30 - 12:30	Measures of Dispersion Concept and idea of dispersion	Viva;	Powerpoint;	43
28-10-2021	10:15 - 11:15	Various measures Range	Take Home Assignments;	Powerpoint;	41
12-11-2021	11:30 - 12:30	Quartile deviation	Take Home Assignments;	Powerpoint;	42
15-11-2021	10:15 - 11:15	Mean Deviation	Take Home Assignments;	Powerpoint;	43
16-11-2021	10:15 - 11:15	Standard Deviation and corresponding relative measure of dispersion.	Take Home Assignments; Viva;	Powerpoint;	44
22-11-2021	10:15 - 11:15	Geographical representation measure of Dispersions/	Take Home Assignments;	Powerpoint;	42
23-11-2021	10:15 - 11:15	Co-variance, Correlation and Regression Meaning, definition	Take Home Assignments;	Powerpoint;	44
28-11-2021	10:15 - 11:15	Rank correlation	Take Home Assignments;	Powerpoint;	39

30-11-2021	10:15 - 11:15	regression concept, relationship with correlation	Take Home Assignments;	Powerpoint;	38
03-12-2021	11:30 - 12:30	Estimation using Simple Regression: Fitting of straight line	Take Home Assignments;	Powerpoint;	36
08-12-2021	10:15 - 11:15	index number	Viva;	Powerpoint;	37
10-12-2021	11:30 - 12:30	Index number methods	Take Home Assignments;	Powerpoint;	37
10-12-2021	11:30 - 12:30	Index number methods	Take Home Assignments;	Powerpoint;	36
14-01-2022	11:30 - 12:30	class test & Permutation introduction	Class test;	Powerpoint;	37
17-12-2021	11:30 - 12:30	Permutation Examples	Take Home Assignments;	Powerpoint;	36
17-12-2021	11:30 - 12:30	Combinations examples	Take Home Assignments;	Powerpoint;	36
20-12-2021	10:15 - 11:15	Introduction to Probability theorem	Viva;	Powerpoint;	37
21-12-2021	10:15 - 11:15	Probability examples	Take Home Assignments;	Powerpoint;	38
24-12-2021	11:30 - 12:30	Insurance chapter	Viva;	Powerpoint;	39

*Dr. Kelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



Course - FYBBI		Faculty - Sindhu Krishnan		SEM I - Principles of Management	
Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	11:30 - 12:30	Introduction - Game - Two and a lie	Interactive;	Simulation;	21
21-09-2021	13:00-14:30	POSDCORB - Activity	Break out rooms were used for activity;	Powerpoint;	26
22-09-2021	13:00-14:30	AAP Explanation	Viva;	Powerpoint;	30
27-09-2021	11:30 - 12:30	Traditional Vs Modern Management	Viva;	Powerpoint;	37
28-09-2021	13:00-14:30	Presentation	Student Presentation;	Powerpoint; Flipped classroom; Video clips;	38
29-09-2021	11:30 - 12:30	Henri Fayol Contributions	Poll;	Powerpoint;	40
04-10-2021	11:30 - 12:30	F.W.Taylor	Viva;	Powerpoint;	45
05-10-2021	13:00-14:30	F.W. Taylor and Govindrajan - Contributions	Take Home Assignments; Viva;	Powerpoint;	44
06-10-2021	11:30 - 12:30	Peter F Drucker	Viva;	Powerpoint;	45
11-10-2021	11:30 - 12:30	CK Prahalad and F.W.Taylor's contributions	Viva;	Powerpoint;	45
13-10-2021	11:30 - 12:30	CK Prahalad	Take Home Assignments;	Powerpoint;	45
18-10-2021	11:30 - 12:30	MANAGEMENT PROCESS	Viva;	Powerpoint;	40
26-10-2021	13:00-14:30	Functions of banking system	Quiz;	Powerpoint;	45
27-10-2021	11:30 - 12:30	CRM in Banking	Viva;	Powerpoint;	45
10-11-2021	11:30 - 12:30	Organisation structure	Poll; Viva;	Powerpoint;	40

15-11-2021	11:30 - 12:30	Organisation Structure	Viva;Poll;	Powerpoint;	45
16-11-2021	13:00- 14:30	Organisation Structure	Poll;Viva;	Powerpoint;	45
17-11-2021	11:30 - 12:30	Organisation Structure	Poll;Viva;	Powerpoint;	42
22-11-2021	11:30 - 12:30	KYC	Poll;	Powerpoint;	45
22-11-2021	11:30 - 12:30	KYC	Poll;	Powerpoint;	40
23-11-2021	13:00- 14:30	KYC and revision	Viva;	Powerpoint;	35
30-11-2021	13:00- 14:30	Organisation structure	Poll;Viva;	Powerpoint;	36
29-11-2021	09:00 - 10:00	Organisation structure	Poll;	Powerpoint;	40
01-12-2021	11:30 - 12:30	Bank and Insurance Sector	Poll;Viva;	Powerpoint;	36
06-12-2021	11:30 - 12:30	Open Book Test on Organisation Structure IIOBT	OBT;	Group Discussion;	30
07-12-2021	09:00 - 10:00	Business Leader	Viva;Quiz;	Powerpoint;	37
13-12-2021	11:30 - 12:30	Business Leader	Viva;	Powerpoint; Video clips;	35
14-12-2021	09:00 - 10:00	Business Leaders	Poll;	Powerpoint; Video clips;	29
21-12-2021	09:00 - 10:00	Revision	Viva;	Powerpoint;	25

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vidyalankar  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



**Course - FYBBI**
**Faculty - Snehaprabha Katti**
**Business Communication - II**

Date of Lecture conducted	Time Slot	Topic	Activities Conducted	Teaching Methodology	Attendance
31-01-2022	8 to 9	Presentation	Poll;	Powerpoint; Videoclips;	40
02-02-2022	11.15-12.15	Principles of Effective Presentation- Methods of delivery in Presentations	Poll;	Videoclips; Powerpoint;	37
04-02-2022	11.15-12.15	Presentaion- Planning , Steps , Graphics of Presentation. Dos and Donts of Presentation. Use of OHP	Interpretation of Video shown ;Poll;	Powerpoint; Videoclips;	36
09-02-2022	11.15-12.15	Guidelines for Using OHP. White and Interactive Boards, Flip Charts . How to Prepare PPT. Slide 30 Taught . Case Study on Presentation is taken	Case Study on Presentation;	Powerpoint; Videoclips;	38
11-02-2022	10.15 - 11.15	How to Prepare PPT- Praticice sessin in the class	Student presenation; Students Peer review- LeD ;	Powerpoint; Videoclips;	34
14-02-2022	8 to 9	Para language in Presentation	Student presenation;	Powerpoint; LeD;	35
16-02-2022	10.15 - 11.15	Unit 2- Group Discussion- Meaning , Reasons to hold GD and skills assessed during GD	Quiz on Unit 1 ;	Powerpoint; Videoclips;	43
17-02-2022	10.15 - 11.15	Group Discussion- Organising GD. Ways to develop GD. Do's and Dont's of GD	Student presenation;	Powerpoint; Videoclips;	36
18-02-2022	11.15-12.15	Unit 2- Topic 1- Interview- Definition, Types . WASP technique of Interview	Poll;	Powerpoint; Videoclips;	28
21-02-2022	8 to 9	Interview- Exit, Appraisal and Grievance Interview	Poll;	Powerpoint; Videoclips;	36
23-02-2022	11.15-12.15	Interview- Understress , Online and Telephone Interview, Preparation by an Interviewee and Interviewer, Advantages and Disadvantages of an Interview	Poll;	Powerpoint; Videoclips;	36

25-02-2022	11.15-12.15	Types of Interviewers, FAQs and Advantages and Disadvantages of Interview.	Case study on Types of Interviewers ;	Powerpoint; Videoclips;	37
28-02-2022	8 to 9	Meetings- Definition, Types, Purpose of Meetings , Advantages and Disadvantages , Planning a Meeting . Role of a Chairperson during an Interview	Poll;	Powerpoint; Videoclips;	37
02-03-2022	11.15-12.15	Flipped Classs-Notice - and Agenda Flipped Class by Mohd Muddasir	Flipped Class;	Powerpoint;	45
02-03-2022	9 to 10	Notice and Agenda of a meeting	Student presentation;	Flipped Classroom;	45
04-03-2022	11.15-12.15	Revision of MCQS. Notice of a Meeting and practice.	Poll;	Powerpoint;	41
07-03-2022	8 to 9	Notice of the meeting with samples	Poll;	Powerpoint; Videoclips;	48
09-03-2022	11.15-12.15	Agenda of the meeting	Poll;	Powerpoint; Practice of sample agendas ;	34
11-03-2022	11.15-12.15	Unit Test 1 was conducted between 11.50 to 12.15.Resolution Started	Poll;	Powerpoint;	37
14-03-2022	8 to 9	Resolutions and company Secretary	Poll;	Powerpoint; Videoclips;	30
16-03-2022	11.15-12.15	Conference- definition, types , advantages & disadvantages	Poll;	Powerpoint; Videoclips;	26
25-03-2022	11.15-12.15	PR- Definition, Meaning, Purposes of PR, Objectives of PR	Poll;	Powerpoint; Videoclips;	31
28-03-2022	8 to 9	Internal & External PR. Activities by PR	Poll;	Powerpoint; Videoclips;	29
01-04-2022	11.15-12.15	Trade Letters-Letters of Inquiry . Practice of 3/4 letters.	Poll;	Powerpoint;	32
04-04-2022	8 to 9	Trade Letters- Replies to Inquiries	Poll;	Powerpoint; Videoclips;	34
08-04-2022	11.15-12.15	Practice Session of - complaints, claims and Adjustment .Done 3 Letters	Poll;	Powerpoint;	24
11-04-2022	8 to 9	Sales Letters - Theory and Practice	Poll;	Powerpoint; Videoclips;	35
13-04-2022	11.15-12.15	Grievance Letters - Theory & Practice	Poll;	Videoclips;Powerpoint;	26
18-04-2022	8 to 9	Grievance letters practice and theory of RTI	Poll;	Powerpoint; Videoclips;	32

20-04-2022	11.15-12.15	RTI Letter practice. Report Writing Theory and Practice 1 letter	Poll;	Powerpoint; Videoclips;	34
22-04-2022	11.15-12.15	Report writing examples . Unit Test 2	Poll;	Powerpoint;	42
25-04-2022	8 to 9	Summarisation technique- Theory & Practice	Poll;	Powerpoint;	37

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**Course - FYBBI**
**Faculty - Khushboo Julka**
**Financial Accounting - II**

Date of Lecture conducted	Time Slot	Topic	Activities Conducted	Teaching Methodology	Attendance
01-02-2022	9 to 10	introduction	Quiz;	Powerpoint; white board ;	32
02-02-2022	8 to 9	introduction to valuation of goodwill	Viva;	Powerpoint; white board ;	32
04-02-2022	8 to 9	valuation of goodwill sums	Viva;	Powerpoint; white board ;	42
08-02-2022	9 to 10	Valuation of goodwill introduction	Viva;	Powerpoint; White board ;	34
08-02-2022	9 to 10	valuation of goodwill sums	white board ;Quiz;	Powerpoint; Group Discussion;	38
09-02-2022	8 to 9	sum on valuation of goodwill	Viva;	Powerpoint;	31
09-02-2022	8 to 9	valuation of good will sums	Take Home Assignments;Quiz;	Powerpoint; white board ;	38
11-02-2022	8 to 9	valuation of goodwill sum	Viva;	Powerpoint;	32
11-02-2022	8 to 9	valuation of good will sums	Quiz;	Powerpoint; white board ;	40
15-02-2022	9 to 10	Valuation of goodwill sums	Viva;	White board ;	31
16-02-2022	8 to 9	Valuation of goodwill sums	Viva;	Powerpoint; White board ;	31
17-02-2022	11.15-12.15	Valuation of Goodwill Sums	Viva;	Powerpoint; White Board ;	32
18-02-2022	8 to 9	valuation of goodwill sums	Student presentation;	Powerpoint; Videoclips; White board ;	28
22-02-2022	9 to 10	valuation of goodwill and student interaction	Student presentation;	Powerpoint; Flipped Classroom;	34
23-02-2022	8 to 9	Valuation of goodwill revision	Viva;	white board ;	37
25-02-2022	8 to 9	valuation of shares	Student presentation;	Powerpoint;	34



28-02-2022	11.15-12.15	vertical statements	Viva;	White board ;	35
28-02-2022	11.15-12.15	valuation of shares	Viva;	Powerpoint; White board ;	34
02-03-2022	8 to 9	Sums on valuations of shares	Viva;	Powerpoint; White board;	34
04-03-2022	8 to 9	Valuation of shares	Viva;Take Home Assignments;	Powerpoint; white board ;	42
08-03-2022	9 to 10	valuation of shares	Viva;	Powerpoint; white board ;	39
08-03-2022	10.15 - 11.15	valuation of shares	Quiz;	Powerpoint; White Board ;	43
09-03-2022	8 to 9	VALUATION OF SHARES	Student presentation;	Powerpoint; white board ;	41
15-03-2022	9 to 10	valuation of shares	Quiz;	Powerpoint; white board ;	43
16-03-2022	8 to 9	valuation of shares	Quiz;	Powerpoint; White board ;	43
22-03-2022	9 to 10	Rapid fire	Student presentation;	Group Discussion;creativity edu 4.0;	47
23-03-2022	8 to 9	valuation of shares and goodwill revision	Quiz;	Powerpoint; Group Discussion;	44
24-03-2022	8 to 9	redemption of shares intro	Take Home Assignments;	Flipped Classroom;	42
25-03-2022	8 to 9	Redemption of shares	Viva;	Powerpoint; white board ;	43
29-03-2022	9 to 10	redemption of shares	Viva;	White board ;	38
30-03-2022	8 to 9	buy back of shares	Viva;	white board ;	42
01-04-2022	8 to 9	buy back sums	Viva;	Powerpoint; white board ;	42

07-04-2022	8 to 9	buy back of shares - sums	Viva;	Powerpoint; White board ;	42
12-04-2022	9 to 10	redemption of shares	Viva;	Powerpoint; white board ;	42
13-04-2022	9 to 10	redemption of shares	Quiz;	Powerpoint; white board ;	34
18-04-2022	9 to 10	redemption of shares	Viva;	Powerpoint; whiteboard ;	34
19-04-2022	9 to 10	redemption of shares	Viva;	Powerpoint; white board;	35
21-04-2022	10.15 - 11.15	redemption of shares	Viva;	Powerpoint; white board ;	36
23-04-2022	8 to 9	redemption of debentures	Viva;	Powerpoint; White board ;	36
23-04-2022	9 to 10	group activity	Student presenati on;	Group Discussion;	38
25-04-2022	12.30 - 1.30	redemption of debentures	Viva;	Powerpoint;	35

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**Version 2021-**
**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	<del>Watch former lectures captured in LMS at VSIT</del>

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	A thorough understanding of the principles of economics in application to individual decision makers, both consumers and firms. study demand, supply and equilibrium in goods and factor markets,
Affective	What do you want students to think / care about?	Study, how people get the things they want and need and how these things are distributed. To understand these concepts from a wide variety of angles.
Behavioural	What do you want students to be able to do?	Students should interact in markets: how your decision to pay higher-than-average rent will ultimately affect your neighbour, for example, by marginally bringing his rent up, too.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Understand how households (demand) and businesses (supply) interact in various market structures to determine price and quantity of a good produced.	I
CO2	Understand how changes in the price of a good affect total revenue and total expenditure depending on the price elasticity of demand for the good.	II
CO3	Understand the links between production costs and the economic models of supply.	III

CO4	Apply economic reasoning to individual and firm behavior in different market structures.	IV
CO5	Understand the major pricing technique in different market structures and the implications.	V

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	S	S	W	S	M						
CO 2	S	S	S	W	S	M						
CO 3	S	S	S	M	S	W						
CO 4	S	W	S	W	W	S						
CO 5	M	S	S	M	S	S						

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category							√

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
		3						3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam	TW	Practical	Oral	Total
		IA 1	IA 2	Average of IA1 and					

				IA2	Marks				
		25			75				100

### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
I	3								
II	3								

### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Tuesday	2.30pm- 3.30 pm	Virtual in Teams
B	Thursday	2.30pm- 3.30 pm	Virtual in Teams
C			

### 2.a Syllabus : Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction	6	15%
2	Demand Analysis	8	20%
3	Supply and Production Decisions and Cost of Production	10	25%
4	Market structure: Perfect competition and Monopoly and Pricing and Output Decisions under Imperfect Competition	10	25%
5	Pricing Practices	6	15%
* Insert rows for more modules in the Course <b>Total</b>		<b>40 hrs</b>	<b>100%</b>

Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Noida (E)  
Educational Campus, Vidyalankar  
Mumbai - 400 027



**2.b Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	12th	Economics	
2			
3			

**2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	III	Macroeconomics (Business Economics-II)
2		
3		

**2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	Make choice between various wants with limited budget
2	How a local business decides to allocate their funds
3	Understand and analyse different market conditions

**3. Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target – Dec 2021	Dec 2020	Dec 2019	Dec 2018
Course Passing % – Average of 3 Divisions	100%	100%	88.83%	86.60%
Marks Obtained by Course Topper (mark/100)	98	97	95	86

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	SGN	100%	SGN	100%	SGN	100%
Dec 2019	VF	98.5%	VF	88%	SGN	96
Dec 2018	VF	96.6%	VF	96.4%	VF	88.4%

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Market Structure	IV	Ask students to practice the diagrams with logic
Pricing	V	Spend enough time to this session as it comes towards the end of the syllabus

## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Managerial Economics – Analysis, Problem and Cases	Mehta, P.L.	(S. Chand & Sons, N. Delhi,		All
2	Principles of Microeconomics	H.L Ahuja	S. Chand & Sons, N. Delhi		All
3					
4					
5					
6					

### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Principles of Economics	Gregory Mankiw	Thomson South western		
2	Principles of Economics	Frank Robert.H, Bernanke. Ben S.,	(Tata McGraw Hill	Ed. 3	All
3					
4					
5					
6					

### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Microeconomics Theory And Applications	Ghai and Gupta	Sarup and Sons		III, IV
2					
3					
4					

**4.d****Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]**

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	American Economic Journal: Microeconomics - Issues <a href="https://www.aeaweb.org/journals/mic/issues">https://www.aeaweb.org/journals/mic/issues</a>	<a href="https://www.economist.com/blogs/freeexchange/2012/10/microeconomics">https://www.economist.com/blogs/freeexchange/2012/10/microeconomics</a>	
2	Studies in Microeconomics <a href="http://journals.sagepub.com/home/mic">http://journals.sagepub.com/home/mic</a>	Business Week	
3	<a href="https://www.youtube.com/playlist?list=PL8dPuuaLjXtPNZwz5_o_5uirJ8gQXnhEO">https://www.youtube.com/playlist?list=PL8dPuuaLjXtPNZwz5_o_5uirJ8gQXnhEO</a>		
4			
5			
6			

**4.e****Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Module No.	Category ( Please Tick Mark ) - √						Available In VIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals		Y	N	
	Text	Reference	E- Book		Regular	E- Journal			
1	√	√					√		Principles of Economics, Gregory Mankiw
2	√	√					√		Principles of Economics, H. L Ahuja
3	√	√					√		Principles of Economics, Gregory Mankiw
4	√	√					√		Principles of Economics, H. L Ahuja
5	√	v					√		Principles of Economics, H. L Ahuja
6									
7									
8									



9									
10									

#### 4.f Web Links for Online Notes/YouTube/VIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="http://nptel.ac.in/courses/109104125/">http://nptel.ac.in/courses/109104125/</a>	All
2	<a href="https://www.youtube.com/watch?v=1UxA6JzoT-4">https://www.youtube.com/watch?v=1UxA6JzoT-4</a>	Basic
3	<a href="https://www.youtube.com/playlist?list=PL8dPuuaLjXtPNZwz5_o_5uirJ8gQXnhEO">https://www.youtube.com/playlist?list=PL8dPuuaLjXtPNZwz5_o_5uirJ8gQXnhEO</a>	Crash Course on Economics
4		
5		

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Economic Analysis and Data Analytics <a href="#">Welcome (linkedin.com)</a>	Linked In	3 Hours	Yes

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	AN INTRODUCTION TO MICROECONOMICS	Created by Vimal Kumar Indian Institute of Technology – Kanpur	30 hours	Yes

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
√	<input type="checkbox"/> √	<input type="checkbox"/> √	√ <input type="checkbox"/>	√ <input type="checkbox"/>	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	From (date/month/year)	Total Number of Weeks
Semester Duration	/08/2021		

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended	
						Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Scope and Importance of Business Economics				
	2	1	basic tools- Opportunity Cost principle- Incremental and Marginal Concepts.				
	3	1	Basic economic relations - functional relations: equations- Total, Average and Marginal relations- use of Marginal analysis in decision making,				One minute Paper
2	4	1	The basics of market demand, market supply and equilibrium price-				Video Assessment Economics Media Library
	5	1	shifts in the demand and supply curves and equilibrium				IEF
	6	1	Revision				
3	7	2	Demand Function - nature of demand curve under different markets				
	8	2	Meaning, significance, types and measurement of elasticity of demand				
	9	2	(Price, income cross and promotional)-				
4	10	2	Problems				Problems Discussed by

							Students
	11	2	relationship between elasticity of demand and revenue concepts				
	12	2	Demand estimation and forecasting: Meaning and significance - methods of demand estimation :				
	13	2	survey and statistical methods (numerical illustrations on trend analysis and simple linear regression)				Forecasting using Excel
	14	2	Revision				
5	15	3	Production function: short run analysis with Law of Variable Proportions				
	16	3	Production function with two variable inputs- isoquants,				
	17	3	ridge lines and least cost combination of inputs-				
6	18	3	Long run production function and Laws of Returns to Scale –				
	19	3	expansion path - Economies and diseconomies of Scale.				Case Study
	20	3	Cost concepts: Accounting cost and economic cost, implicit and explicit cost, fixed and variable cost - total, average and marginal cost –				Video Assessment
	21	3	Cost Output Relationship in the Short Run and Long Run (hypothetical numerical problems to be discussed),				Economics Media Library
7	22	3	LAC and Learning curve				
	23	3	Break even analysis (with business applications)				
8	24	3	Break even analysis (with business applications)				
	25	4	Short run and long run equilibrium of a competitive firm and of industry				
	26	4	monopoly - short run and long- run equilibrium of a firm under Monopoly				
9	27	4	Monopolistic competition: Equilibrium of a firm under monopolistic competition,				Flash Card
	28	4	debate over role of advertising				
10	29	4	Oligopolistic markets: key attributes of oligopoly				

	30	4	Collusive and non collusive oligopoly market - Price rigidity				Video Assessment Economics Media Library
11	31	4	Cartels and price leadership models (with practical examples)				
	32	4	Diagram Practice				
	33	4	Discussion on MCQs				
	34	4	Revision				
12	35	4	Cost oriented pricing methods				
	36	5	cost – plus (full cost) pricing, marginal cost pricing,				Let Student Talk
13	37	5	Mark up pricing, discriminating pricing,				Let Student Talk
	38	5	multiple – product pricing - transfer pricing				Let Student Talk
	39	5	MCQ				
14	40	5	Revision				

**6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)**

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Presentation	Other (2) Specify	Total
20	20				40	20		100 (scale down to 25)

**7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)**

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Assignment 1 based on Unit 1 and 2	1,2	July	
2	MCQ questions preparation	3	August	
3	Thought provoking Assignment	4	September	
4	Identify Pricing Practices of Company's	5	September	

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3rd				I, II	✓	✓		✓	
2	6th				III	✓	✓		✓	
3	8th				IV			✓		✓
4	12th				V			✓		✓
5										

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test				Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
2 <sup>nd</sup> IA Test					IA is a Head of passing *
Pop Quiz					
Open Book Test					
Take Home Test					
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

9.a

### Practical Activities – Regular Experiments



Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					
3					
4					
5					

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	All	Video Assessment	Supply, Demand, Market Structure, Costs	1,2,3,4,5,	
2					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	All	Video Assessment	Supply, Demand, Market Structure, Costs	1,2,3,4,5,	
2	II	Forecasting in Excel	Forecasting Sales	2	
3	III	Case Study	Economies of Scale	3	

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
-----	----------------------	------------	--

1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	√
4		Mini Projects	
5		Pop Quiz	√
6		Mobile App Based Quiz	
7		Open Book Test	√
8		Take Home Test	√
9	Collaborative and Group Activity	Poster Presentation	
10		Minute Papers	√
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	√
16		Value Added Courses	
17		Lecture Capture Usage	√

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

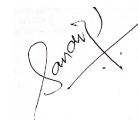
Faculty 1 Name (Sign.)  
Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3

External Industry Mentor (Sign.)  
Mentor (Sign.)

External Academic



VSIT Cluster Mentor Name (Sign.)  
(Sign.)

Head of Dept.

---

## Teaching Pedagogy

1. Economics Media Library Video Assessment
  2. MooC
  3. Quiz
  4. Assignment – 4
  5. Flash Cards
  6. Pop Quiz
  7. Case Study
  8. Whiteboard
  9. IEF
  10. Excel
  11. Let Student Talk
- 





The academic resources available in VSIT –

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

### 1.a Course Objectives (write in detail – follow NBA guideline in this regard)

<b>Cognitive</b>	<b>What do you want students to know?</b>	Students should understand the overall business environment and evaluate its various components in business decision making
<b>Affective</b>	<b>What do you want students to think / care about?</b>	The purpose of this course is to enhance their capacity to think, act and lead ethically (In business and towards society)
<b>Behavioural</b>	<b>What do you want students to be able to do?</b>	Students should be able to assess the ethical issues facing business. People and firm solve ambiguities and resolve the trade-offs embedded in ethical dilemmas

### 1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)

CO No.	Statements	Related Module/s
CO1	Students understand the Dynamics of Business	1
CO2	Students get knowledge about Ethics and Consumerism	2
CO3	Students understand the concept & importance of Corporate Social responsibility	3
CO4	Students get knowledge of the Global Business	4

### 1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	M	M	S	W	W	S						
CO 2	M	M	S	W	W	S						
CO 3	M	M	S	W	M	S						
CO 4	M	M	S	M	M	S						
CO 5												

### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				

CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category					✓		

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
6	Business Environment	75	--	--	3	-	--	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
6	Business Environment	20	05	25	75	--	--	--	100

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
A	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
B	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
C	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Monday	12.30 -1.30	MS Teams (Online)
B	Wednesday	12.30 -1.30	MS Teams (Online)
C	Friday	12.30 -1.30	MS Teams (Online)

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Business and its Environment	10	25

2	Business and Society	10	25
3	Contemporary Issues	10	25
4	International Environment	10	25
* Insert rows for more modules in the Course		<b>Total</b>	<b>40</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	12 <sup>th</sup> STD.	Organization of Commerce	Consumer Protection Act

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	I	MBA

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Once students start their own business in future they will have a brief insight about being a successful Entrepreneur
2	Responsibility towards community
3	Relevance to the International scenario

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target -November 2022	November 2021	November 2020	November 2019
Course Passing % – Average of 3 Divisions	100	100	100	96.46
Marks Obtained by Course Topper (mark/100)	95	94	NIL	90

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Nov 2021	AAJ / SIN	100%	AAJ / SIN / SGN	100%	AAJ / SGN	100%
Nov 2020	AAJ	100%	AAJ	100%	AAJ	100%
Nov 2019	AAJ	100%	AAJ	97.01%	KCM	95.8%
Nov 2018	SIN	82.59%	SIN	90.91	SIN	89.23%

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
--	---------------	---

Classification of Business Objectives	1	Written Assignment, Discussion and revision
KYOTO Protocol	3	Discussion and revision
Carbon Credit	3	Discussion and revision

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1.	Essential elements of Business Environment	K.Asawathapa	Himalaya		All
2.	Business Environment	Justin Paul	Tata McGraw		All
3.	Entrepreneurial Development	S.S Khanka	S Chand & Co.		2

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Business Environment	K. Aswathappa	Himalaya Publishing	2014	All
2	Business Environment	Agrawal Raj	Excel books		All
3	Business Environment	Kale.N.G	Vipul Prakasham		All

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Business Environment	Dr. Saroj Upadhyay	ASIAN View All		1-4
2	Business Environment Study Material	Dr. Thomas Paul Kattookaran			1-4
3	Business Environment Self Instruction	Jaipur National University			1-4

##### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Slideshare.com	The Magazine of Corporate social responsibility	All
2	www.philoophybasics.com/branch_ethics.html	Outlook India	All
3	www.wto.org/english/tratop_e/invest_info_ehtm		All

**4.e** Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1	√	√	√				√		All
2	√	√	√						All
3	√	√	√						All
4	√	√	√						All

**4.f** Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="http://onlinecourses.nptel.ac.in/noc17_mg03">http://onlinecourses.nptel.ac.in/noc17_mg03</a>	All
2	<a href="http://www.mooc-lost.com/tags/business">http://www.mooc-lost.com/tags/business</a> environment	All
3	<a href="https://www.youtube.com/watch?v=D2U5c4WvST4">https://www.youtube.com/watch?v=D2U5c4WvST4</a>	1
14	<a href="https://www.youtube.com/watch?v=1jbZcug8YE0">https://www.youtube.com/watch?v=1jbZcug8YE0</a>	1

1

**4.g** Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="http://onlinecourses.nptel.ac.in/noc17_mg03">http://onlinecourses.nptel.ac.in/noc17_mg03</a>	nptel		
2.	<a href="http://www.mooc-lost.com/tags/business">http://www.mooc-lost.com/tags/business</a> environment	Moocs		
3.	<a href="https://www.mooc-list.com/course/global-business-environment-evolution-and-dynamics-futurelearn">https://www.mooc-list.com/course/global-business-environment-evolution-and-dynamics-futurelearn</a>	Future learn		
4.	<a href="https://www.mooc-list.com/course/understanding-modern-business-organisations-futurelearn">https://www.mooc-list.com/course/understanding-modern-business-organisations-futurelearn</a>	Future learn		
5.	<a href="https://www.mooc-list.com/course/international-business-environment-and-global-strategy-edx">https://www.mooc-list.com/course/international-business-environment-and-global-strategy-edx</a>	edX		

**4.h** Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
---------	--------------------------------	--	-----------------	---------------------

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓ <input type="checkbox"/>	✓ <input type="checkbox"/>	✓ <input type="checkbox"/>	✓ <input type="checkbox"/>	✓ <input type="checkbox"/>	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration			15

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1		Syllabus discussion		C01		
1	2	Unit - 1	Meaning, Definition and features of business objectives, Importance of objectives in business management (Assignment)		C01		
1	3		Classification of business objectives-economic and social objectives of business Human and national objectives of business-organic/ threefold objectives of business (OBT)		C01		
2	4		Steps in formulating business objectives, dynamics of business and its environment- Integrated approach of business environment		C01		
2	5		Business Environment, Types/ components/areas of business environment & important features (Assignment)		C01		
2	6		Environmental analysis- Meaning, Importance, Factors affecting environment analysis and Limitations		C01		
3	7		PESTLE- Meaning, Components and Steps(OBT)		C01		
3	8		Environmental scanning- Meaning, Benefits and Importance		C01		
3	9		SWOT Analysis- Meaning, Definition, Typical SWOT analysis		C01		
4	10		Objectives, steps and importance of SWOT analysis		C01		
4	11	Unit-2	Business ethics- Meaning, Definition and Features (Assignment)		CO2		

4	12		Ethical dilemma of Unethical business practices		CO2		
5	13		Corporate culture – Meaning, Features and Composition, Forms and consequences of corporate culture		CO2		
5	14		Entrepreneurship -Meaning and definition and its development , Entrepreneur & his characteristics (Assignment)		CO2		
5	15		Stages of business entrepreneurship - factors influencing entrepreneurial development		CO2		
6	16		Entrepreneurship and economic development, Introduction to MSMEs, Meaning of MSMEs and MSMED act, 2006 and its features (OBT)		CO2		
6	17		Entrepreneurship as a career option – meaning, factors and steps in developing entrepreneurial career		CO2		
6	18		Meaning and features of consumer rights- basic consumer rights		CO2		
7	19		Meaning, Definition and Features of consumerism, Objectives and Advantages of consumerism(THT), Role of consumerism, need of consumer movement in India		CO2		
7	20		Consumer education and research centre – Consumer protection Act 1986(Assignment)		CO2		
7	21	Unit-3	Corporate social responsibility- Meaning , Definition and Scope (Assignment)		CO3		
8	22		Advantage of corporate social responsibility, recent trends in CSR		CO3		
8	23		Corporate governance, meaning, definition and features (Assignment)		CO3		
8	24		Need and Importance of corporate governance, Mechanisms for Corporate Governance, Advantages of corporate governance in India		CO3		
9	25		Social responsibility of business- meaning, definition and need		CO3		
9	26		Arguments for and against SR(Debate), Areas of Social responsibility, Ecology and business- Meaning and Relationship		CO3		
9	27		Industrialisation and environmental pollution and control at business level, Government policy on environment protection Kyoto Protocol		CO3		
10	28		Carbon credit- Meaning , Definition and working of carbon credit system (THT)  Present position of carbon credit trade , carbon credits of India		CO3		
10	29		Social audit- meaning, definition and features , Evolution of social audit, Benefits and limitations of Social audit		CO3		

10	30		Social audit vs commercial audit		CO3		
11	31	Unit 4	INTERNATIONAL ENVIRONMENT- Meaning and strategies		CO4		
11	32		FDI & BOP (Assignment)		CO4		
11	33		Multinational companies- meaning, definition		CO4		
12	34		Features of Multinational companies (Assignment)		CO4		
12	35		Advantages and dangers of MNC'S(OBT),		CO4		
12	36		Transnational companies- meaning and features(Assignment)		CO4		
13	37		World trade organisation- introduction and formation, Objectives		CO4		
13	38		Functions of WTO(Assignment)		CO4		
13	39		Revision, Doubt Solving		All		
14	40		Revision, Doubt Solving		All		

**6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)**

Lecture + Practical (% Attendance) & Marks	Assign- ments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) specif y	Total
						05		05

**7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)**

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
-------------------	--------------------------------------	--------	--	-----------------------



1.	Explain Business Objectives & its features	1		
2.	Explain in detail Business Environment, its importance & features	1		
3.	What is Business Ethics, its features & importance	2		
4.	Who is an Entrepreneur & what are his characteristics?	2		
5.	Explain concept & importance of CSR	3		
6.	What is Corporate Governance & its advantages	3		
7.	Explain the Concept of MNC & what is its importance.	4		
8.	Write a detailed note on WTO, its objectives & functions	4		

#### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	1	vv		1	1	(✓)		(✓)	(✓)	
2	2	(✓)		3	1	(✓)			(✓)	
3	4	(✓)		7	2	(✓)			(✓)	
4	6	(✓)			2	(✓)			(✓)	
5 & 6	11	(✓)			3	(✓)			(✓)	
7 & 8	13	(✓)			4	(✓)			(✓)	

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

#### 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
-------	------------	------------	--------	---------------------------	--------

Course Academic Administration Plan – USIT401 Core Java – Semester IV- B.Sc. (Information Technology)



1 <sup>st</sup> IA Test				Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
<del>2<sup>nd</sup> IA Test</del>					IA is a Head of passing *
Pop Quiz	15 <sup>th</sup> Week	1-4			
Open Book Test	1 <sup>st</sup> , 3 <sup>rd</sup> & 7 <sup>th</sup>	1-3			
Take Home Test	8 <sup>th</sup> , 10 <sup>th</sup> & 14 <sup>th</sup>	3-4			
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

**\* 9.a**

**\* Practical Activities – Regular Experiments**

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			
2					

**9.b**

**\* Practical Activities – Newly Added Experiments**

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	(1-4)	You tube videos for Revision	All	1-4	
2		<a href="https://www.udemy.com/course/lets-share-the-burden/">https://www.udemy.com/course/lets-share-the-burden/</a>			
3		<a href="https://www.udemy.com/course/personal_branding/">https://www.udemy.com/course/personal_branding/</a>			

**9.c**

**Practical Activities – PBL Experiments**

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
---------------	------------	------------------------------	----------------------------	--------	--------------------------

1	2	Case study on Entrepreneurs	Characteristics & Niche qualities		
2		Poster Competition	To bring out creativity		

#### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	(√)
4		Mini Projects	
5		Pop Quiz	(√)
6		Mobile App Based Quiz	
7		Open Book Test	(√)
8		Take Home Test	(√)
9	Collaborative and Group Activity	Poster Presentation	(√)
10		Minute Papers	
11		Students Seminar	
12		Students Debates	(√)
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	(√)
16		Value Added Courses	
17		Lecture Capture Usage	(√)

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

**Ms. Kavitha Mohan**

**Faculty 1 Name (Sign.)**

**Faculty 2 Name (Sign.)**

**Faculty 3 Name (Sign.)**

**External Industry Mentor (Sign.)**

**External Academic Mentor (Sign.)**



**VSIT Cluster Mentor Name (Sign.)**

**Head of Dept. (Sign.)**

The academic resources available in VSIT –

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All textbooks, V reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

### 1.a Course Objectives (write in detail – follow NBA guideline in this regard)

Cognitive	What do you want students to know?	To know the fundamentals of finance, also know about various sources and applications of finance
Affective	What do you want students to think / care about?	To think on concepts of valuation. To think about how company can use leverages to maximise returns to its shareholders
Behavioural	What do you want students to be able to do?	To solve practical problems based on Cost of Capital. To analyse the impact of various Leverages on Capital Structure of a Company

### 1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)

CO No.	Statements	Related Module/s
CO1	To understand fundamentals of finance	Unit 1
CO2	To make students comfortable with concepts of valuation and Time Value of Money	Unit 2
CO3	To provide an insight on Leverages	Unit 3
CO4	To make them familiar with types of financing	Unit 4
CO5	To solve practical problems based on Cost of Capital	Unit 5

### 1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	M	W									
CO 2	M	S	M									
CO 3	M	S	S									
CO 4	S	M	M									
CO 5	W	W	S									

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	S	S	S	W
CO 2	S	S	S	W
CO 3	S	S	S	W
CO 4	S	S	S	W
CO 5	S	S	S	W

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category					✓		

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
USBAF 105	Introduction to Financial Management I	75	--	--	--	--	--	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
USBAF 105	Introduction to Financial Management I	20	05	25	75	--	--	--	100

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Batch	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>Batch 1</b>	1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>Batch 2</b>	1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Batch	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
Batch 1	Monday	2:30p.m. to 3:30p.m	Online (MS Teams)
Batch 2	Tuesday	2:30p.m. to 3:30p.m	Online (MS Teams)

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction to Financial Management	6	20
2	Concepts in Valuation	10	20
3	Leverage	8	20
4	Types of Financing	6	20
5	Cost of Capital	10	20
* Insert rows for more modules in the Course <b>Total</b>		<b>40 hrs</b>	<b>100</b>

**2.b Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	SSC	Mathematics	Simple Interest, Compound Interest (for Unit 2)
2	HSC	Secretarial Practice	Business Finance, Types of Finance (for Unit 1)

**2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	V	Financial Management II
2	VI	Financial Management III

**2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	Applying various valuation concepts
2	Calculating present and future values for personal finance
3	Use of weighted average cost of capital of a firm

**3. Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target - Dec 2021	Nov 2020	Nov 2019	Nov 2018
Course Passing % – Average of 3 Divisions	100%	100%	95.96%	94%
Marks Obtained by Course Topper (mark/75)	75	74 (Murtuza)	72(Hemang)	67(Amar)

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Nov 2020	AJP	100	AJP	100	AJP	100
Nov 2019	AJP	100	AJP	94.03	AJP	93.85
Nov 2018	AJP	95	AJP	93	AJP	94

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Annuity, WACC	2,5	More sums for practice

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Financial Management	I.M Pandey	Vikas	11 <sup>th</sup>	1-5
2					
3					

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Fundamentals of Financial Management	D. Chandra Bose	PHI Learning Pvt. Ltd		1-5
2	Fundamentals of Financial Management	Vyuptakesh Sharma	Pearson Education		1-5
3	Financial Management: Text and Problems	M.Y. Khan and P.K. Jain	Tata McGraw Hill		1-5

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Financial Management	C.Paramasivan&T.Subramanian	New Age International Publishers	I	All
2	Financial Management	UTS Global, Bavdhan	UTS	I	All

##### 4.d Web Links and Names of Magazines, Journals, E-journals



Refer online journals subscribed in VSIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="http://www.ebooks-for-all.com/">http://www.ebooks-for-all.com/</a>		

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1			✓						
2		✓							
3		✓							
4			✓						
5		✓							

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VSIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VSIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content (live.vsit.edu.in/vrefer)	1-5
2	<a href="https://youtu.be/U4LXk5IbTpI">https://youtu.be/U4LXk5IbTpI</a>	1
3	<a href="https://youtu.be/iL7aDANL0I4">https://youtu.be/iL7aDANL0I4</a>	1
4	<a href="https://youtu.be/IDZbjZ5v5j8">https://youtu.be/IDZbjZ5v5j8</a>	2
5	<a href="https://youtu.be/KWQcPpJSkl0">https://youtu.be/KWQcPpJSkl0</a>	3

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.coursera.org/learn/introduction-to-finance-the-basics">https://www.coursera.org/learn/introduction-to-finance-the-basics</a>	Coursera/Xi Yang/University of Illinois	19 hrs	Y
2	<a href="https://www.udemy.com/course/financial-management-for-beginner/">https://www.udemy.com/course/financial-management-for-beginner/</a>	Udemy/Bina Nusantara University	1.5 hrs	N



**4.h Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1				

**4.i Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
√	√	√	√	√	

**5. Consolidated Course Lesson Plan**

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	Sept 2021	Dec 2021	13

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	BSA	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Introduction to Subject and discussion of AAP		CO1		
	2	1	Meaning, Definition and Importance of Financial Management	CAT – One Minute Paper	CO1		
	3	1	Scope and Objectives of Financial Management		CO1		
2	4	1	Profit v/s Wealth maximisation	IEF	CO1		
	5	1	Qualities and Role of a Finance Manager	Assignment 1 Allocation	CO1		
	6	1	Revision of Unit 1	CAT – Quiz 1	CO1		

3	7	2	Introduction to Time Value of Money		CO2		
	8	2	Sums on SI and CI	Assignment 1 Submission	CO2		
	9	2	Sums on Present Value and Future Value		CO2		
4	10	2	Sums on Present Value and Future Value		CO2		
	11	2	Concept of Net Present Value	CAT – One Minute Paper	CO2		
	12	2	Sums on NPV		CO2		
5	13	2	Concept of Annuity	CAT – Pop Quiz	CO2		
	14	2	Sums on Annuity	Assignment 2 Allocation	CO2		
	15	2	Sums on Annuity	CAT – Quiz 2	CO2		
6	16	2	Doubling Period (Rule of 69 and 72)		CO2		
	17	3	Introduction to Leverages		CO3		
	18	3	Types of Leverages	Assignment 2 Submission	CO3		
7	19	3	Sums on Operating Leverage		CO3		
	20	3	Sums on Operating Leverage		CO3		
	21	3	Sums on Financial Leverage		CO3		
8	22	3	Sums on Financial Leverage		CO3		
	23	3	Sums on Combined Leverage	Assignment 3 Allocation	CO3		

	24	3	Sums on Combined Leverage	CAT – Quiz 3	CO3		
9	25	4	Introduction to Types of Financing, Need for finance	CAT – One Minute Paper	CO4		
	26	4	Sources of Finance, Equity Shares	Poster Presentation	CO4		
	27	4	Preference shares, Debentures	Assignment 3 Submission	CO4		
10	28	4	Retained Earnings, Loans from Bank		CO4		
	29	4	Loans from FI, Lease financing	CAT – Quiz 4	CO4		
	30	4	Open Book Test	OBT	CO4		
11	31	5	Intro to Cost of Capital	CAT – One Minute Paper	CO5		
	32	5	Classification of Cost	Assignment 4 Allocation	CO5		
	33	5	Cost of Debentures		CO5		
12	34	5	Cost of Debentures		CO5		
	35	5	Cost of Preference Shares	Assignment 4 Submission	CO5		
	36	5	Cost of Preference Shares		CO5		
13	37	5	Cost of Equity Shares		CO5		
	38	5	Cost of Equity Shares	Assignment 5 Allocation	CO5		
	39	5	Cost of Retained Earnings	CAT – Quiz 5	CO5		

14	40	5	Revision of Unit 5	Assignment 5 Submission	CO5		
----	----	---	--------------------	-------------------------	-----	--	--

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Two Unit Tests	Internal Assessment (Midterm)	Other (2) specificity	Total
20	20	-	-	-	40	20	-	100

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Assignment 1 – Fundamentals of Financial Management	CO1	2 <sup>nd</sup> week	3 <sup>rd</sup> week
2	Assignment 2 – Net Present Value	CO2	5 <sup>th</sup> week	6 <sup>th</sup> week
3	Assignment 3 – Calculation of Leverages	CO3	8 <sup>th</sup> week	9 <sup>th</sup> week
4	Assignment 4 – Long Term Sources of Finance	CO4	11 <sup>th</sup> week	12 <sup>th</sup> week
5	Assignment 5 – Cost of Debentures and Preference Shares	CO5	13 <sup>th</sup> week	14 <sup>th</sup> week

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (√)			Module No.	Based on #			Question Type (√)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	2	✓			1		✓		✓	
2	5	✓			2		✓		✓	
3	6	✓			3		✓		✓	
4	8	✓			4		✓		✓	
5	10	✓			5		✓		✓	

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)  
# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1st IA Test (Midterm Exam)	August 2021	1&2	CO1&CO2	Midterm Exam – descriptive	No IA Re-test
Unit Test	1 <sup>st</sup> Unit Test – Before Midterm 2 <sup>nd</sup> Unit Test – After Midterm			2 Unit Test – online MCQ	IA is a Head of passing *
Quiz	2 <sup>nd</sup> week, 5 <sup>th</sup> week 8 <sup>th</sup> week 10 <sup>th</sup> week 13 <sup>th</sup> week	1 2 3 4 5	CO1 CO2 CO3 CO4 CO5		
One Minute Paper	1 <sup>st</sup> week 4 <sup>th</sup> week 5 <sup>th</sup> week 8 <sup>th</sup> week 11 <sup>th</sup> week	1 2 3 4 5	CO1 CO2 CO3 CO4 CO5		
Open book Test	10 <sup>th</sup> week	4	CO4		
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

9.a

### Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					
3					
4					

5					
6					
7					
8					

### 9.b

#### Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					

### 9.c

#### Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1					
2					

## 10.

#### Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Yes (1 in each unit)
4		Mini Projects	
5		Pop Quiz	✓
6		Mobile App Based Quiz	

7		Open Book Test	✓
8		Take Home Test	✓
9	Collaborative and Group Activity	Poster Presentation	✓
10		Minute Papers	✓
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	✓
16		Value Added Courses	
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

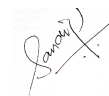
Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1 Name (Sign.)

Mr. Ajaykumar Poojary

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Husala (E)  
Mumbai - 400 027



**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To understand the conceptual knowledge of cost, costing and Cost accountancy. To know the different elements of cost. To get acquainted with the scope of costing
Affective	What do you want students to think / care about?	Understand the different methods to value Material, Labour and Overhead Cost
Behavioural	What do you want students to be able to do?	Ability and identify Material, Labour and Overhead Cost of any company

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To differentiate between financial and cost accounting and to identify elements of cost	Unit 1
CO2	Valuation of material cost	Unit 2
CO3	Analyse different schemes of wage payment and incentives	Unit 3
CO4	Analysis of types of overheads and its valuation	Unit 4

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '–': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	Moderate	Moderate	Strong	Weak	Weak	Weak						
CO 2	Moderate	Strong	Strong	Weak	Moderate	Weak						
CO 3	Moderate	Strong	Strong	Weak	Moderate	Weak						
CO 4	Moderate	Strong	Strong	Weak	Moderate	Weak						



**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘–’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	-	-	-	-
CO 2	-	-	-	-
CO 3	-	-	-	-
CO 4	-	-	-	-
CO 5	-	-	-	-

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category					✓		

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
3.6.2	Cost Accounting - I	75	--	--	3	-	--	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of CEPR					
3.6.2	Cost Accounting-I	MT[1]	CT[2]	25	75	--	--	--	75

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>B</b>	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Tuesday	4 to 5 pm	virtual classroom
B	Wednesday	4 to 5 pm	virtual classroom
C			

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction to Cost Accounting	10	25
2	Material Cost	10	25
3	Labours Cost	10	25
4	Overheads	10	25
* Insert rows for more modules in the Course		<b>Total</b>	<b>40</b>
			<b>100</b>

**2.b Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	11 <sup>th</sup> and 12 <sup>th</sup>	Basic knowledge of financial accounting and cost	

**2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	III, IV & V	BAF
2	I	M.Com., MMS., MBA

**2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	Understanding cost sheet of any company
2	Valuation of Material, Labour and Overhead cost
3	Analysis and identifying types of cost

**Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target Dec 2021	Dec 2020	Dec 2019	Dec 2018	Dec 2017
Course Passing % – Average of 3 Divisions	100%	100%	96.97%	92%	89.34 %
Marks Obtained by Course Topper (marks /100)	Above 95%	95	93	80	80

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Dec 2020	Prathma Neman	100%	Kavitha	100%	nil	nil
Dec 2019	GNS	96.97%	Varsha	92.54%	Varsha	87.67%
Dec 2018	GNS	92%	Ms. Kavitha	92%	Ms. Kavitha	92%
Dec 2017	Ms. Kavitha	100%	Ms. Kavitha	83.33%	Ms. Kavitha	84.62%

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Labour Cost	3	Recitation of formulae[ using music] and Solving sums with different adjustment
Overheads	4	Recitation of formulae[ using music] and solving sums with different adjustments

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Cost Accounting	Ravi M. Kishore	Taxmann Ltd., New Delhi		1 to 4

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Cost Accounting	M.E.Thukaram Rao	New Age International Publishers	2012	All
2	Cost Accounting	P.C. Tulsian	S.Chand	2008	All

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author /s	Publisher	Edition	Module Nos.
1	Cost Accounting <a href="https://books.google.co.in/books/about/Cost_Accounting.html?id=oxBU6Pa3m5YC">https://books.google.co.in/books/about/Cost_Accounting.html?id=oxBU6Pa3m5YC</a>	P.K.Jain	Tata Mc GrawH ill	2000	All
2	Cost Accounting Course Material <a href="http://www.universityofcalicut.info/SDE/BComCoreCostAccounting_on09March2016.pdf">http://www.universityofcalicut.info/SDE/BComCoreCostAccounting_on09March2016.pdf</a>	Univer sity of Calicut			1 & 3
3	<a href="https://devlibrary.in/managerial-and-cost-accounting/">https://devlibrary.in/managerial-and-cost-accounting/</a>				All

**4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]**

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	International Journal of Accountancy & Finance <a href="https://www.inderscience.com/jhome.php?jcode=ijaf">https://www.inderscience.com/jhome.php?jcode=ijaf</a>	The Management Accountant <a href="https://www.magzter.com/IN/THE-INSTITUTE-OF-COST-ACCOUNTANTS-OF-INDIA/The-Management-Accountant/Business/">https://www.magzter.com/IN/THE-INSTITUTE-OF-COST-ACCOUNTANTS-OF-INDIA/The-Management-Accountant/Business/</a>	1-4
2	Indian journal of Accounting <a href="https://indianaccounting.org/img/journals/IJA-Dec-2018.pdf">https://indianaccounting.org/img/journals/IJA-Dec-2018.pdf</a>	The Inst. of Cost Accountants of India <a href="https://icmai.in/icmai/news/209.php">https://icmai.in/icmai/news/209.php</a>	1-4
3	Indian Journal of Accounts & Finance <a href="https://www.indianjournals.com/ijor.aspx?target=ijor:mjfa&amp;type=home">https://www.indianjournals.com/ijor.aspx?target=ijor:mjfa&amp;type=home</a>		1-4
4	Journal of Cost Accounting <a href="https://www.jstage.jst.go.jp/browse/jcar">https://www.jstage.jst.go.jp/browse/jcar</a>		

**4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals		Y	N	
	Text	Reference	E- Book		Regular	E- Journal			
1	✓	✓	✓				Y		Cost Accounting – Thukaram
2	✓	✓					Y		Cost Accounting – Thukaram
3	✓	✓					Y		Cost Accounting _ Thukaram
4	✓	✓					Y		Cost Accounting _ Thukaram,
5									

**4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos**

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content [not available in V Refer]	1-4

**4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.**

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Cost Accounting <a href="https://www.udemy.com/course/costing-and-cost-accounting/">https://www.udemy.com/course/costing-and-cost-accounting/</a>	Udemy	50 hours – 55 videos	Y

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Tally with GST	VSIT		Y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	August 2021	December 2021	13

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos. / Books/ Web Site
1	1	1	Syllabus ,Video on costing career - <a href="https://www.youtube.com/watch?v=d9K3gp6aTp0">https://www.youtube.com/watch?v=d9K3gp6aTp0</a>  Unit I –  Meaning & Definition of costing <a href="https://www.youtube.com/watch?v=laACWO2Z5Ak">https://www.youtube.com/watch?v=laACWO2Z5Ak</a>		1		
	2	1	Scope & Objectives of costing, Importance and Advantages of cost accounting <b>Poll Questions</b>		1		

	3	1	Difference between cost A/c & financial A/c, Limitation of financial Accounting- <b>EFB</b>		1		
2	4	1	Def: of Cost, Costing & Financial Accounting		1		
	5	1	<b>Classification of Cost - Quiz</b> <a href="https://forms.office.com/Pages/ResponsePage.aspx?id=LKs7Hkn_bE2CelAX5v2FnMuolxnJM9xIsQPzd2AOXLlUNzgxSVhLUFIzMTRVMDBSUFBQNjJIUVZDOS4u">https://forms.office.com/Pages/ResponsePage.aspx?id=LKs7Hkn_bE2CelAX5v2FnMuolxnJM9xIsQPzd2AOXLlUNzgxSVhLUFIzMTRVMDBSUFBQNjJIUVZDOS4u</a>		1		
	6	1	<b>Assignment 1</b> – Annual reports [classification of cost]- Demo		1		
3	7	1	<b>Cost allocation &amp; apportionment-</b> <a href="https://www.youtube.com/watch?v=2fTgDRz-PdU">https://www.youtube.com/watch?v=2fTgDRz-PdU</a> and <a href="https://www.youtube.com/watch?v=u70oLwsPKCo&amp;t=1s">https://www.youtube.com/watch?v=u70oLwsPKCo&amp;t=1s</a>		1		
	8	1	<b>PBL</b> Identify the cost incurred to weave cloth, wooden table, leather products, Chocolates, Mobile phones		1		
	9	1	<b>Coding system &amp; good costing system</b> <a href="https://www.youtube.com/watch?v=67j7_iXGFg0">https://www.youtube.com/watch?v=67j7_iXGFg0</a>		1		
4	10	1	<b>Limitation of financial Accounting - - Quiz</b>		1		
	11	2	<b>Unit II – Material Cost: Material cost concept and its types.</b>  <b>Ted Ed Video quiz:</b> <a href="https://ed.ted.com/on/e3SMjWw5">https://ed.ted.com/on/e3SMjWw5</a>		2		
	12	2	<b>Material control- essentials, advantages, Objectives and Advantages of Material costing.</b> <a href="https://www.youtube.com/watch?v=LpS2xxW5WS8">https://www.youtube.com/watch?v=LpS2xxW5WS8</a> [ Assignment 2 ]		2		
5	13	2	<b>Documentation, Bin card</b>		2		
	14	2	<b>Stock levels, Minimum levels, Maximum levels, Re-order levels,</b>		2		

			Sums  Game- <a href="https://www.proprofsgames.com/ugc/crossword/material-costing/">https://www.proprofsgames.com/ugc/crossword/material-costing/</a>				
	15	2	Stock levels, Minimum levels, Maximum levels, Re-order levels, Sums		2		
6	16	2	Economic order Qty QUIZ <a href="https://forms.office.com/Pages/ResponsePage.aspx?id=LKs7Hkn_bE2Ce1AX5v2FnMuolxnJM9xIsQPzd2AOXL1UOUJONFhOM1RNTVIwQUJRTkdFN0Q4Q0Q4RC4u">https://forms.office.com/Pages/ResponsePage.aspx?id=LKs7Hkn_bE2Ce1AX5v2FnMuolxnJM9xIsQPzd2AOXL1UOUJONFhOM1RNTVIwQUJRTkdFN0Q4Q0Q4RC4u</a>		2		
	17	2	Practical problems - Economic order Qty and Stock turnover ratio <a href="https://www.youtube.com/watch?v=qgvH2Eo6_gY">https://www.youtube.com/watch?v=qgvH2Eo6_gY</a>		2		
	18	2	Purchase Order, Inspection, Stock Verification & Inventory Control <a href="https://www.youtube.com/watch?v=Wa83L8TvoaM">https://www.youtube.com/watch?v=Wa83L8TvoaM</a>		2		
7	19	2	Practical problems – Inventory valuation [FIFO] <a href="https://www.youtube.com/watch?v=qAWVVw-dC5A">https://www.youtube.com/watch?v=qAWVVw-dC5A</a>		2		
	20	2	Practical problems – Inventory valuation [ weighted average] [ <b>take home test</b> ]		2		
	21	3	Labours Cost <a href="https://www.youtube.com/watch?v=9Uhiv7tHDGQ">https://www.youtube.com/watch?v=9Uhiv7tHDGQ</a>		3		
8	22	3	Composition of labour cost <a href="https://www.youtube.com/watch?v=01ZQJnn6ffg">https://www.youtube.com/watch?v=01ZQJnn6ffg</a>		3		
	23	3	Labour cost record – Poll questions and Word Art game		3		
	24	3	Overtime/idle time/Incentive Schemes - <b>Quiz</b>		3		

9	25	3	Practical problems - <b>Poll questions</b> [formula]		3		
	26	3	Practical problems		3		
	27	3	Practical problems Video quiz on Labour Turnover - <a href="https://www.youtube.com/watch?v=xIfbGGiYhaw">https://www.youtube.com/watch?v=xIfbGGiYhaw</a> <b>[ Assignment 3]</b>		3		
10	28	3	Practical problems		3		
	29	3	Case study on labour Cost management <a href="https://www.jstage.jst.go.jp/browse/jcar">https://www.jstage.jst.go.jp/browse/jcar</a> <b>Journal of Cost Accounting</b>		3		
	30	3	Revision on Unit 3 [ <b>Open book test</b> ]		3		
11	31	4	Overheads Concepts <a href="https://www.youtube.com/watch?v=ZqTqErrZpIE">https://www.youtube.com/watch?v=ZqTqErrZpIE</a>		4		
	32	4	Classifications of overheads on different basis – <b>Quiz</b>		4		
	33	4	Apportionment & absorption of Overheads <a href="https://www.youtube.com/watch?v=Pd7uMZHDudE">https://www.youtube.com/watch?v=Pd7uMZHDudE</a> <b>[ Assignment 4]</b>		4		
12	34	4	Practical problems – <b>Poll questions [ formula] and Word art game</b>		4		
	35	4	Practical problems		4		
	36	4	Practical problems		4		
13	37	4	Practical problems		4		
	38	4	Practical problems		4		
	39	4	Case Study <a href="https://www.jstage.jst.go.jp/browse/jcar">https://www.jstage.jst.go.jp/browse/jcar</a>		4		



		<b>Journal of Cost Accounting</b>				
	40	<b>Quiz (ALL UNITS FORMULA)</b>				

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assign- ments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) specif y	Total
						05		05

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignme nt No.	Title of the Assignments / Tutorials	CO Ma p	Assignmen ts given to Students on	Date of Submissio n
1	Assignment 1 – Study of one company's cost elements from Annual report	1	2 <sup>nd</sup> week	3 <sup>rd</sup> week
2	Assignment 2 – Calculation of materials in Textile <a href="https://www.udemy.com/course/calculate-cost-of-material-and-apparel/">https://www.udemy.com/course/calculate-cost-of-material-and-apparel/</a> [ 1 hour course]	2	4 <sup>th</sup> week	5 <sup>th</sup> week
3	Assignment 3 – Case-study on labour cost management <a href="https://www.hzu.edu.in/uploads/Case_Studies_of_Cost_and_Works_Accounting.pdf">https://www.hzu.edu.in/uploads/Case_Studies_of_Cost_and_Works_Accounting.pdf</a>	3	9 <sup>th</sup> week	10 <sup>th</sup> week
4	Assignment 4 – Past university question paper sums	4	11 <sup>th</sup> week	12 <sup>th</sup> week

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	2 <sup>nd</sup> week	✓			I			YES		YES
2	4 <sup>th</sup> week	✓			II			YES		YES
3	9 <sup>th</sup> week	✓			III			YES		YES

4	11 <sup>th</sup> week	✓			IV			YES	YES	

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – *from Points 4.a to 4.d*

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	8 <sup>th</sup> week			Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
<del>2<sup>nd</sup> IA Test</del>					IA is a Head of passing *
Pop Quiz	3 <sup>rd</sup> week	1			
Open Book Test	10 <sup>th</sup> week	3			
Take Home Test	7 <sup>th</sup> week	2			

\* IA failures will have to appear for re-test in next semester

### \* 9.a

#### \* Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			

### \* 9.b

#### \* Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

2		NA			
---	--	----	--	--	--

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	1	Identify the cost incurred to weave cloth, wooden table, leather products, Chocolates, Mobile phones	Classification of cost	1	

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	End of each Unit
4		Mini Projects	
5		Pop Quiz	
6		Mobile App Based Quiz	Quiz – all units
7		Open Book Test	Unit III
8		Take Home Test	UNIT II
9	Collaborative and Group Activity	Poster Presentation	Based on Assignment 1[ Elements of cost in different industry]
10		Minute Papers	
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	<a href="https://www.udemy.com/course/costing-and-cost-accounting/">https://www.udemy.com/course/costing-and-cost-accounting/</a> [50 hours – 55 videos , paid, certification course]
16		Value Added Courses	Tally
17		Lecture Capture Usage	

**Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.** Consolidated

Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Prathma A Nemane

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

---

New teaching pedagogy – using musical notations to remember formulae



Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Thakur  
Educational Complex, Wazirpur (E)  
Mumbai - 400 027



### AAP Compliance

Batch 1 FYBAF		Faculty - Swagatika Nanda		Sem 1 - Business Economics-I	
Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	13:00-14:30	Introduction to Syllabus	Students Introduction;	Powerpoint;	75
21-09-2021	10:15 - 11:15	Introduction to Economics	Student Presentation;	Powerpoint; Video clips;	72
23-09-2021	13:00-14:30	Opportunity Cost and PPC	Discussion;	Powerpoint; Video clips;	72
23-09-2021	13:00-14:30	Scope of Business Economics, opportunity cost	Discussion; Viva;	Powerpoint; Video clips;	86
27-09-2021	13:00-14:30	Concepts of economics- Functions, equation	Viva; Discussion;	Powerpoint; Video clips;	78
28-09-2021	10:15 - 11:15	Concepts of economics	Quiz; Take Home Assignments;	Powerpoint;	92
30-09-2021	13:00-14:30	Demand Analysis	Take Home Assignments; Students lead discussion;	Powerpoint;	88
04-10-2021	13:00-14:30	Supply Analysis and Nature of Demand Curve	Student Presentation;	Powerpoint;	73
05-10-2021	10:15 - 11:15	Supply Analysis	Poll;	Powerpoint;	87
07-10-2021	13:00-14:30	Demand and supply	Quiz; Problem Solving;	Powerpoint;	80
11-10-2021	13:00-14:30	Nature of Demand curve	Discussion;	Powerpoint;	85
12-10-2021	10:15 - 11:15	Nature of Demand curve	Discussion;	Powerpoint;	75
14-10-2021	10:15 - 11:15	Elasticity	Quiz;	Powerpoint;	74
18-10-2021	13:00-14:30	Elasticity	Problem solving;	Powerpoint;	82
20-10-2021	11:30 - 12:30	Elasticity	problem solving;	Powerpoint;	87
25-10-2021	13:00-14:30	Demand Forecasting	Discussion;	Powerpoint;	80
26-10-2021	10:15 - 11:15	Production Function	Quiz;	Powerpoint;	79

28-10-2021	13:00-14:30	Production	OBT;	Powerpoint;	78
11-11-2021	13:00-14:30	Law of Variable Proportion	Discussion;	Powerpoint;	82
15-11-2021	13:00-14:30	Economies of Scale	Viva;	Powerpoint;	75
16-11-2021	13:00-14:30	Economies of Scale	Discussion;	Powerpoint; Video clips;	80
18-11-2021	13:00-14:30	Cost	Quiz; Discussion;	Powerpoint;	80
22-11-2021	13:00-14:30	Cost	Quiz;	Powerpoint;	75
23-11-2021	10:15 - 11:15	Break Even Analysis	Discussion;	Powerpoint;	86
25-11-2021	13:00-14:30	Break Even Analysis	Quiz;	Powerpoint;	79
29-11-2021	08:00 - 9:00	Market Structure- Perfect Competition	Quiz;	Powerpoint;	84
30-11-2021	10:15 - 11:15	Monopoly	Quiz;	Powerpoint;	82
02-12-2021	08:00 - 9:00	Monopolistic Competition	Quiz;	Powerpoint;	78

**Batch 2    FYBAF    Faculty - Swagatika Nanda    Sem 1 - Business Economics-I**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	10:15 - 11:15	Introduction to syllabus	Introduction of students;	Powerpoint;	60
21-09-2021	11:30 - 12:30	Introduction to Economics	Discussion;	Powerpoint; Video clips;	59
22-09-2021	10:15 - 11:15	Opportunity Cost and PPC	Quiz;Discussion;	Powerpoint; Video clips;	62
24-09-2021	10:15 - 11:15	Concepts of economics- Functions, equation	Viva;Discussion;	Powerpoint; Video clips;	87
28-09-2021	11:30 - 12:30	Concepts of Economics	Quiz;Take Home Assignments;	Powerpoint;	85
29-09-2021	10:15 - 11:15	Demand Analysis	Viva;Take Home Assignments;	Powerpoint;	90
01-10-2021	10:15 - 11:15	Demand Analysis	Discussion;	Powerpoint;	85
05-10-2021	11:30 - 12:30	Supply Analysis	Quiz;	Powerpoint;	90

06-10-2021	10:15 - 11:15	Nature of Demand Curve	Quiz;Case study;	Powerpoint;	75
08-10-2021	10:15 - 11:15	Nature of Demand Curve	Quiz;	Powerpoint;	89
12-10-2021	11:30 - 12:30	Nature of Demand curve	Discussion;	Powerpoint;	80
13-10-2021	10:15 - 11:15	Elasticity	Problem solving;	Powerpoint;	80
20-10-2021	10:15 - 11:15	Elasticity	problem solving;	Powerpoint;	90
20-10-2021	13:00- 14:30	Elasticity	Problem solving;	Powerpoint;	74
22-10-2021	10:15 - 11:15	Elasticity	Quiz;	Powerpoint;	90
26-10-2021	11:30 - 12:30	Demand Forecasting	Quiz;	Powerpoint;	85
27-10-2021	10:15 - 11:15	Demand Forecasting	Quiz;	Powerpoint;	92
29-10-2021	10:15 - 11:15	Production	OBT;	Powerpoint;	78
10-11-2021	10:15 - 11:15	Law of Variable Proportion	Discussion;	Powerpoint;	78
10-11-2021	11:30 - 12:30	Law of variable proportion	Discussion;	Powerpoint;	68
16-12-2021	11:30 - 12:30	Economies of Scale	Viva;	Powerpoint; Video clips;	79
17-12-2021	10:15 - 11:15	Economies of Scale	Discussion;	Powerpoint;	80
20-11-2021	09:00 - 10:00	Cost	Quiz; Discussion;	Powerpoint; Video clips;	78
20-11-2021	11:30 - 12:30	Cost	Quiz;	Powerpoint;	72
23-11-2021	11:30 - 12:30	Cost	Discussion;	Powerpoint;	78
24-11-2021	10:15 - 11:15	Break Even Analysis	Discussion;	Powerpoint;	77
26-11-2021	11:30 - 12:30	Break Even Analysis	Quiz;	Powerpoint;	81
30-11-2021	11:30 - 12:30	Market Structure- Perfect Competition	Quiz;	Powerpoint;	84
01-12-2021	10:15 - 11:15	Monopoly	Quiz;	Powerpoint;	80
03-12-2021	10:15 - 11:15	Monopolistic Competition	Quiz;	Powerpoint;	80

Batch 1 FYBAF		Faculty - Kavitha Mohan		Sem 1 - Business Environment	
Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	10:15 - 11:15	Syllabus discussion	Viva;	Powerpoint;	86
21-09-2021	09:00 - 10:00	Meaning, Definition and features of business objectives, Importance of objectives in business management	Viva;	Powerpoint;	87
23-09-2021	11:30 - 12:30	Classification of business objectives- economic and social objectives of business Human and national objectives of business- organic/ threefold objectives of business (OBT)	Viva;	Powerpoint;	60
27-09-2021	10:15 - 11:15	Steps in formulating business objectives, dynamics of business and its environment- Integrated approach of business environment	Poll;	Powerpoint;	87
23-09-2021	09:00 - 10:00	Business Environment, Types/ components/areas of business environment & important features (Assignment)	Viva;	Powerpoint;	91
30-09-2021	11:30 - 12:30	Environmental analysis- Meaning, Importance, Factors affecting environment analysis and Limitations	Viva;	Powerpoint;	85
07-10-2021	11:30 - 12:30	PESTLE- Meaning, Components and Steps(OBT)	Viva;	Powerpoint;	82
04-10-2021	10:15 - 11:15	PESTLE- Meaning, Components and Steps	Poll;	Powerpoint;	82
05-10-2021	09:00 - 10:00	SWOT Analysis- Meaning, Definition, Typical SWOT analysis	Viva;	Powerpoint;	88
11-10-2021	10:15 - 11:15	Objectives, steps and importance of SWOT analysis	Viva;	Powerpoint; Flipped classroom;	75
12-10-2021	09:00 - 10:00	Business ethics- Meaning, Definition and Features	Viva;	Flipped classroom;	85
14-10-2021	11:30 - 12:30	Ethical dilemma of Unethical business practices	Take Home Assignments;	Video clips;	82
18-10-2021	10:15 - 11:15	Corporate culture – Meaning, Features and Composition, Forms and consequences of corporate culture	Viva;	Flipped classroom;	78



21-10-2021	11:30 - 12:30	Entrepreneurship -Meaning and definition and its development , Entrepreneur & his characteristics (Assignment)	Student Presentation;	Flipped classroom;	79
25-10-2021	10:15 - 11:15	Stages of business entrepreneurship - factors influencing entrepreneurial development	Viva;	Flipped classroom;	66
26-10-2021	09:00 - 10:00	Entrepreneurship and economic development, Introduction to MSMEs, Meaning of MSMEs and MSMED act, 2006 and its features (OBT)	Viva;	Powerpoint;	82
28-10-2021	11:30 - 12:30	Entrepreneurship as a career option – meaning, factors and steps in developing entrepreneurial career	Viva;	Flipped classroom;	76
11-11-2021	11:30 - 12:30	Meaning and features of consumer rights- basic consumer rights	Take Home Assignments;	Flipped classroom;	74
15-11-2021	10:15 - 11:15	Meaning, Definition and Features of consumerism, Objectives and Advantages of consumerism(THT), Role of consumerism, need of consumer movement in India	Poll;	Flipped classroom;	84
16-11-2021	09:00 - 10:00	Consumer education and research centre – Consumer protection Act 1986(Assignment)	Take Home Assignments;	Flipped classroom;	74
18-11-2021	11:30 - 12:30	Corporate social responsibility- Meaning , Definition and Scope (Assignment)	Take Home Assignments;	Flipped classroom;	80
22-11-2021	10:15 - 11:15	Advantage of corporate social responsibility, recent trends in CSR	Viva;	Flipped classroom; Video clips;	70
22-11-2021	10:15 - 11:15	Advantage of corporate social responsibility, recent trends in CSR	Poll;	Powerpoint;	70
25-11-2021	09:00 - 10:00	Corporate governance, meaning, definition and features (Assignment)	Viva;	Video clips;	70
27-11-2021	13:00- 14:30	Need and Importance of corporate governance, Mechanisms for Corporate Governance, Advantages of corporate governance in India	Viva;	Powerpoint;	70
30-11-2021	09:00 - 10:00	Arguments for and against SR(Debate), Areas of Social responsibility, Ecology and business- Meaning and Relationship	Viva;	Powerpoint;	75
02-12-2021	10:15 - 11:15	Industrialisation and environmental pollution and control at business level, Government policy on environment protection Kyoto Protocol	Viva;	Powerpoint;	66

**Batch 2    FYBAF                      Faculty - Kavitha Mohan                      Sem 1 - Business Environment**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
21-09-2021	10:15 - 11:15	Syllabus discussion	Viva;	Powerpoint;	53
22-09-2021	11:30 - 12:30	Meaning, Definition and features of business objectives, Importance of objectives in business management	Viva;	Powerpoint;	63
24-09-2021	09:00 - 10:00	Classification of business objectives- economic and social objectives of business Human and national objectives of business- organic/ threefold objectives of business (OBT)	Quiz;	Powerpoint;	60
28-09-2021	10:15 - 11:15	Steps in formulating business objectives, dynamics of business and its environment- Integrated approach of business environment	Viva;	Powerpoint;	87
29-09-2021	11:30 - 12:30	Business Environment, Types/ components/areas of business environment & important features (Assignment)	Viva;	Powerpoint;	87
01-10-2021	09:00 - 10:00	Environmental analysis- Meaning, Importance, Factors affecting environment analysis and Limitations	Quiz;	Powerpoint;	81
05-10-2021	10:15 - 11:15	PESTLE- Meaning, Components and Steps	Quiz;	Powerpoint;	92
06-10-2021	11:30 - 12:30	Environmental scanning- Meaning, Benefits and Importance	Viva;	Powerpoint;	75
08-10-2021	09:00 - 10:00	SWOT Analysis- Meaning, Definition, Typical SWOT analysis	Poll;	Powerpoint;	79
12-10-2021	10:15 - 11:15	Objectives, steps and importance of SWOT analysis	Viva;	Powerpoint;	86
13-10-2021	11:30 - 12:30	Business ethics- Meaning, Definition and Features	Viva;	Powerpoint;	81
20-10-2021	10:15 - 11:15	Ethical dilemma of Unethical business practices	Viva;	Powerpoint;	86
20-10-2021	11:30 - 12:30	Ethical dilemma of Unethical business practices	Viva;	Powerpoint;	86
22-10-2021	11:30 - 12:30	Corporate culture – Meaning, Features and Composition, Forms and consequences of corporate culture	Viva;	Video clips;Power point;	74
26-10-2021	10:15 - 11:15	Entrepreneurship -Meaning and definition and its development , Entrepreneur & his characteristics (Assignment)	Viva;	Powerpoint;	72

27-10-2021	11:30 - 12:30	Stages of business entrepreneurship - factors influencing entrepreneurial development	Viva;	Powerpoint;	79
28-10-2021	10:15 - 11:15	Entrepreneurship and economic development, Introduction to MSMEs, Meaning of MSMEs and MSMED act, 2006 and its features	Viva;	Powerpoint;	75
29-10-2021	09:00 - 10:00	Entrepreneurship as a career option – meaning, factors and steps in developing entrepreneurial career	Viva;	Group Discussion; Powerpoint;	71
12-11-2021	09:00 - 10:00	Meaning and features of consumer rights- basic consumer rights	Viva;	Group Discussion; Powerpoint;	80
12-11-2021	13:00- 14:30	Meaning, Definition and Features of consumerism, Objectives and Advantages of consumerism(THT), Role of consumerism, need of consumer movement in India	Viva;	Group Discussion; Powerpoint;	80

*Rakelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**Batch 1    FYBAF    Faculty - Ajaykumar Poojary    Sem 1 - Financial Management**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	09:00 - 10:00	Introduction to Subject and Discussion of AAP	Poll;	Powerpoint;	87
22-09-2021	11:30 - 12:30	Meaning and Importance of Financial Management	Poll;	Powerpoint;	87
24-09-2021	10:15 - 11:15	Scope and Objectives of Financial Management	Poll;	Powerpoint;	88
25-09-2021	11:30 - 12:30	Profit maximisation v/s Wealth maximisation	Poll;	Powerpoint;	82
27-09-2021	09:00 - 10:00	Qualities of a Finance Manager	Poll;	Powerpoint;	83
29-09-2021	11:30 - 12:30	Introduction to Time Value of Money	Poll;	Powerpoint;	84
01-10-2021	10:15 - 11:15	Present Value and Future Value	Take Home Assignments;	Powerpoint;	93
04-10-2021	09:00 - 10:00	Sums on SI and CI	Poll;	Powerpoint;	81
01-10-2021	11:30 - 12:30	Introduction to Time Value of Money	Take Home Assignments;	Powerpoint;	87
06-10-2021	11:30 - 12:30	Sums on Present Value and Future Value	Poll;	Powerpoint;	80
08-10-2021	10:15 - 11:15	Sums on Present Value and Future Value	Poll;	Powerpoint;	85
09-10-2021	11:30 - 12:30	Sums on Present Value and Future Value	Poll;	Powerpoint;	81
11-10-2021	09:00 - 10:00	Sums on Present Value and Future Value	Poll;	Powerpoint;	82
13-10-2021	11:30 - 12:30	Net Present Value	Poll;	Powerpoint;	80
16-10-2021	11:30 - 12:30	Sums on NPV	Poll;	Powerpoint;	88
18-10-2021	09:00 - 10:00	Sums on NPV	Poll;	Powerpoint;	85
22-10-2021	10:15 - 11:15	Annuity	Poll;	Powerpoint;	85
23-10-2021	11:30 - 12:30	Annuity Table	Poll;	Powerpoint;	78
25-10-2021	09:00 - 10:00	Sums on Annuity	Poll;	Powerpoint;	86

27-10-2021	11:30 - 12:30	Sums on Annuity	Poll;	Powerpoint;	69
29-10-2021	10:15 - 11:15	Sums on Annuity	Poll;	Powerpoint;	71
30-10-2021	11:30 - 12:30	Sums on Annuity	Poll;	Powerpoint;	70
10-11-2021	11:30 - 12:30	Doubling Period, Intro to Leverages	Poll;	Powerpoint;	80
12-11-2021	10:15 - 11:15	Format & Types of Leverages	Poll;	Powerpoint;	78
12-11-2021	13:00- 14:30	Sums on Operating Leverage	Poll;	Powerpoint;	67
13-11-2021	11:30 - 12:30	Sums on Financial Leverage	Poll;	Powerpoint;	76
15-11-2021	09:00 - 10:00	Sums on Combined Leverage	Poll;	Powerpoint;	76
17-11-2021	11:30 - 12:30	Sums on Combined Leverage	Poll;	Powerpoint;	80
24-11-2021	11:30 - 12:30	Sums on Combined Leverage	Poll;	Powerpoint;	70
26-11-2021	10:15 - 11:15	Introduction and Need of finance	Take Home Assignment s;	Powerpoint;	70
27-11-2021	11:30 - 12:30	Classification of Sources of Finance	Poll;	Powerpoint;	66
29-11-2021	09:00 - 10:00	equity share capital	Poll;	Powerpoint;	68
01-12-2021	11:30 - 12:30	Preference Shares and Debentures	Poll;	Powerpoint;	61
03-12-2021	10:15 - 11:15	Retained earning, Loan from Bank	Poll;	Powerpoint;	65
06-12-2021	09:00 - 10:00	Introduction and types of Cost of Capital	Poll;	Powerpoint;	64
08-12-2021	11:30 - 12:30	Cost of Irredeemable Debentures	Poll;	Powerpoint;	67
10-12-2021	08:00 - 9:00	Cost of Irredeemable Debentures	Take Home Assignment s;	Powerpoint;	60
13-12-2021	09:00 - 10:00	Cost of Redeemable Debentures	Poll;	Powerpoint;	80
15-12-2021	11:30 - 12:30	Cost of Preference Shares	Poll;	Powerpoint;	73
16-12-2021	10:15 - 11:15	Cost of Preference Shares	Poll;	Powerpoint;	81
17-12-2021	08:00 - 9:00	Cost of Equity Shares & Retained Earnings	Poll;	Powerpoint;	79

20-12-2021	09:00 - 10:00	WACC	Poll;	Powerpoint;	72
20-12-2021	10:15 - 11:15	WACC	Poll;	Powerpoint;	73
22-12-2021	11:30 - 12:30	WACC	Poll;	Powerpoint;	73
23-12-2021	10:15 - 11:15	Revision	Poll;	Powerpoint;	74

### Batch 2 FYBAF Faculty - Ajaykumar Poojary Sem 1 - Financial Management

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
22-09-2021	13:00-14:30	Introduction to Subject and Discussion of AAP	Poll;	Powerpoint;	61
24-09-2021	11:30 - 12:30	Meaning and Importance of Financial Management	Poll;	Powerpoint;	86
25-09-2021	09:00 - 10:00	Scope and Objectives of Financial Management	Poll;	Powerpoint;	81
27-09-2021	10:15 - 11:15	Profit maximisation v/s Wealth maximisation	Poll;	Powerpoint;	86
29-09-2021	13:00-14:30	Qualities of a Finance Manager and Pop Quiz	Quiz;	Powerpoint;	81
04-10-2021	10:15 - 11:15	Present Value and Future Value	Poll;	Powerpoint;	93
06-10-2021	13:00-14:30	Sums on SI and CI	Poll;	Powerpoint;	75
08-10-2021	11:30 - 12:30	Sums on Present Value and Future Value	Poll;	Powerpoint;	82
09-10-2021	09:00 - 10:00	Sums on Present Value and Future Value	Poll;	Powerpoint;	78
11-10-2021	10:15 - 11:15	Sums on Present Value and Future Value	Poll;	Powerpoint;	92
13-10-2021	13:00-14:30	Sums on Present Value and Future Value	Poll;	Powerpoint;	81
16-10-2021	09:00 - 10:00	Net Present Value	Poll;	Powerpoint;	84
18-10-2021	10:15 - 11:15	Sums on NPV	Poll;	Powerpoint;	87
22-10-2021	11:30 - 12:30	Sums on NPV	Poll;	Powerpoint;	87
23-10-2021	09:00 - 10:00	Annuity	Poll;	Powerpoint;	87

25-10-2021	10:15 - 11:15	Annuity Table	Poll;	Powerpoint;	88
27-10-2021	13:00- 14:30	Sums on Annuity	Poll;	Powerpoint;	78
29-10-2021	11:30 - 12:30	PV Table and FV Table	Poll;	Powerpoint;	71
30-10-2021	09:00 - 10:00	Doubling Period	Poll;	Powerpoint;	81
10-11-2021	13:00- 14:30	Introduction To Leverages	Poll;	Powerpoint;	68
12-11-2021	11:30 - 12:30	Format of Income Statement	Poll;	Powerpoint;	81
13-11-2021	09:00 - 10:00	Types of Leverages, Formula of Leverages	Poll;	Powerpoint;	79
15-11-2021	10:15 - 11:15	Sums on Operating Leverage	Poll;	Powerpoint;	79
17-11-2021	13:00- 14:30	Sums on Financial Leverage	Poll;	Powerpoint;	80
22-11-2021	10:15 - 11:15	Sums on Combined Leverage	Poll;	Powerpoint;	84
24-11-2021	11:30 - 12:30	Sums on Combined Leverage	Poll;	Powerpoint;	71
26-11-2021	11:30 - 12:30	Sums on Combined Leverage, Intro to Unit 4	Poll;	Powerpoint;	76
29-11-2021	10:15 - 11:15	Classification of Sources of Finance	Take Home Assignment s;	Powerpoint;	74
01-12-2021	08:00 - 9:00	equity share capital	Poll;	Powerpoint;	59
03-12-2021	11:30 - 12:30	Preference Shares and Debentures	Poll;	Powerpoint;	62
07-12-2021	08:00 - 9:00	Retained earning, Loan from Bank	Poll;	Powerpoint;	57
08-12-2021	08:00 - 9:00	Introduction and types of Cost of Capital	Poll;	Powerpoint;	59
10-12-2021	11:30 - 12:30	Cost of Irredeemable Debentures	Take Home Assignment s;	Powerpoint;	62
14-12-2021	08:00 - 9:00	Cost of Irredeemable Debentures	Poll;	Powerpoint;	74
15-12-2021	08:00 - 9:00	Cost of Redeemable Debentures	Poll;	Powerpoint;	68
17-12-2021	10:15 - 11:15	Cost of Preference Shares	Poll;	Powerpoint;	67

21-12-2021	08:00 - 9:00	Cost of Equity Shares	Poll;	Powerpoint;	73
22-12-2021	08:00 - 9:00	WACC	Poll;	Powerpoint;	49
24-12-2021	08:00 - 9:00	WACC	Poll;	Powerpoint;	73

  
Principal • •  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.





**Batch 1    FYBAF    Faculty - Prathma Nemane    Sem 1 - Cost Accounting-I**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
21-09-2021	11:30 - 12:30	AAP of CA and Video on Career options in CA	Q & A;	Video clips;Power point;	85
22-09-2021	10:15 - 11:15	Fun Activities	Breakout room;	Powerpoint;	88
23-09-2021	10:15 - 11:15	Introduction to costing concepts	breakout room;	Powerpoint; Video clips;	88
25-09-2021	13:00- 14:30	Cost accountancy and objecting of CA	Quiz; word Art	Powerpoint;	82
28-09-2021	11:30 - 12:30	Adv & Disadv of CA	Poll; crossword	Powerpoint;	84
29-09-2021	10:15 - 11:15	Distinguish and limitations of FA	Poll; word search puzzle;	Powerpoint;	78
30-09-2021	10:15 - 11:15	Classification of cost	Poll; Viva;	Powerpoint;	92
05-10-2021	11:30 - 12:30	Cost Allocation	Poll;	Video clips;Power point;	86
06-10-2021	10:15 - 11:15	Coding and Assignment demo	Viva;	Video clips;Power point;	86
07-10-2021	10:15 - 11:15	PBL activity	break out rooms;	Powerpoint; Annual reports;	76
09-10-2021	13:00- 14:30	materials cost	nil;	Powerpoint;	74
12-10-2021	11:30 - 12:30	Stock levels	nil;	Powerpoint; Video clips;	81
13-10-2021	10:15 - 11:15	Sums on Stock levels	nil;	Video clips;excel;	73
14-10-2021	10:15 - 11:15	EOQ theory and sums	nil;	Powerpoint; Video clips;excel;	83
16-10-2021	13:00- 14:30	EOQ TC sums	nil;	excel;	74
20-10-2021	10:15 - 11:15	EOQ table method	excel;	ppt;	80
21-10-2021	10:15 - 11:15	Inventory turnover ratio	excel;	ppt;	85

23-10-2021	13:00-14:30	inventory turnover ratio	excel;	ppt;	79
26-10-2021	11:30 - 12:30	Stock valuation	excel;	Powerpoint;	66
27-10-2021	10:15 - 11:15	Stock valuation sums	excel;	Powerpoint;	71
28-10-2021	10:15 - 11:15	Unit 3 - Labour cost theory	Poll;	Powerpoint;	74
30-10-2021	13:00-14:30	LTR sums	excel;	Powerpoint;	60
10-11-2021	10:15 - 11:15	LTR sums	excel;	Powerpoint;	81
11-11-2021	10:15 - 11:15	Wages theory	excel;	Powerpoint;	80
13-11-2021	13:00-14:30	sums on wages	excel;	Powerpoint;	71
16-11-2021	11:30 - 12:30	sums on wages	excel;	Powerpoint;	81
17-11-2021	10:15 - 11:15	sums on wages and unit 1 revision	excel;	Powerpoint;	82
18-11-2021	10:15 - 11:15	unit 2 revision	excel;	Powerpoint;	80
20-11-2021	13:00-14:30	unit 4 - introduction to OH cost	excel;	Powerpoint;	67
23-11-2021	11:30 - 12:30	Cost Allocation	nil;	Powerpoint;	72
24-11-2021	10:15 - 11:15	Sums on overheads rate	nil;	excel;	71
25-11-2021	10:15 - 11:15	primary distribution	nil;	excel;	68
27-11-2021	13:00-14:30	Secondary distribution	Poll;	excel;	51
30-11-2021	11:30 - 12:30	Secondary distribution	Viva;	excel;	60
01-12-2021	10:15 - 11:15	Secondary distribution - costing PNL	Viva;	excel;	73
02-12-2021	10:15 - 11:15	Revision - stock levels	Viva;	excel;	70
06-12-2021	10:15 - 11:15	Revision - Stock valuation	Viva;	excel;	69
07-12-2021	11:30 - 12:30	Revision - Wages payment	Viva;	excel;	63
09-12-2021	10:15 - 11:15	Udemy course	Viva;	Mooc course;	61

13-12-2021	10:15 - 11:15	udemy mooc course and case study on transportatoin	Viva;	nil;	82
14-12-2021	11:30 - 12:30	case study an eoq	nil;	nil;	63

### Batch 2 FYBAF Faculty - Prathma Nemane Sem 1 - Cost Accounting-I

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	11:30 - 12:30	AAP of CA and Activity 1	breakout room;	Powerpoint;	80
21-09-2021	13:00- 14:30	INtro to CA and career video	breakout room;	Powerpoint; Video clips;	45
23-09-2021	09:00 - 10:00	INtro to costing concepts	breakout room;	Video clips;	68
25-09-2021	10:15 - 11:15	Cost Accountancy , Objectives	word art;Quiz;	Powerpoint;	85
27-09-2021	11:30 - 12:30	Adv & Disadv of CA	Poll;crossword ;	Powerpoint;	82
28-09-2021	13:00- 14:30	Distinguish and limitations of FA	Poll;word search puzzle;	Powerpoint;	80
30-09-2021	09:00 - 10:00	Classification of Cost	Poll;Viva;	Powerpoint;	86
04-10-2021	11:30 - 12:30	Cost Allocation	Poll;	Powerpoint; Video clips;	86
05-10-2021	13:00- 14:30	Coding and Assignments demo	Viva;	Powerpoint; Video clips;	72
07-10-2021	09:00 - 10:00	PBL activity	Breakout rooms;	Powerpoint; Annual reports;	74
09-10-2021	10:15 - 11:15	Material cost concept	nil;	Powerpoint;	77
11-10-2021	11:30 - 12:30	Stock levels	crossword;	Powerpoint;	85
14-10-2021	09:00 - 10:00	Sums on Stock levels	nil;	Video clips;excel;	81
16-10-2021	10:15 - 11:15	EOQ sums	nil;	excel;Power point;	79
18-10-2021	11:30 - 12:30	EOQ TC sums	excel;	PPT;	89
21-10-2021	09:00 - 10:00	EOQ table method	excel;	ppt;	89
23-10-2021	10:15 - 11:15	Inventory turnover ratio	excel;	PPT;	84

25-10-2021	11:30 - 12:30	inventory turnover ratio	excel;	Powerpoint;	80
26-10-2021	13:00- 14:30	Stock valuation - FIFO	excel;	Powerpoint;	79
28-10-2021	09:00 - 10:00	Stock valuation - WT Avg	excel;	Powerpoint;	92
30-10-2021	10:15 - 11:15	Unit 3 - Labour cost	Poll;	Powerpoint;	85
11-11-2021	09:00 - 10:00	LTR sums	excel;	Powerpoint;	82
13-11-2021	10:15 - 11:15	Wages theory	excel;	Powerpoint;	77
15-11-2021	11:30 - 12:30	sums on wages	excel;	Powerpoint;	81
16-11-2021	13:00- 14:30	sums on wages	excel;	Powerpoint;	82
18-11-2021	09:00 - 10:00	sums on wages and unit 1 revision	excel;	Powerpoint;	91
20-11-2021	10:15 - 11:15	unit 2 revision	excel;	Powerpoint;	83
22-11-2021	11:30 - 12:30	introduction to overheads	Poll;	Powerpoint;	81
23-11-2021	13:00- 14:30	Cost Allocation	Viva;	Powerpoint;	69
27-11-2021	10:15 - 11:15	sums on overheads	Viva;	Powerpoint; excel;	59
29-11-2021	11:30 - 12:30	primary distribution	Viva;	excel;	65
30-11-2021	08:00 - 9:00	secondary distribution	nil;	excel;	66
02-12-2021	09:00 - 10:00	secondary distribution	nil;	excel;	75
06-12-2021	11:30 - 12:30	Secondary distribution - PNL	nil;	excel;	78
08-12-2021	10:15 - 11:15	Revision - stock valuation	nil;	excel;	72
09-12-2021	09:00 - 10:00	revision stock levels	nil;	excel;	75

*R. Kelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



The academic resources available in VSIT –

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

### 1.a Course Objectives (write in detail – follow NBA guideline in this regard)

Cognitive	What do you want students to know?	To understand Computer Fundamentals.
Affective	What do you want students to think / care about?	To think on uses of Internet and related technologies.
Behavioural	What do you want students to be able to do?	To apply the skills of Office productivity tools such as Word and Excel.

### 1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)

CO No.	Statements	Related Module/s
CO1	To understand Computer Fundamentals	Unit 1
CO2	To understand History of Windows OS	Unit 2
CO3	To think on uses of Internet and related technologies	Unit 3
CO4	To make students comfortable with Microsoft Word	Unit 4
CO5	To make students comfortable with Microsoft Excel	Unit 5

### 1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				

CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category					✓		

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
	Computer Skills – I	75	25	--	3	-	--	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
	Computer Skills – I	-	5	5	75	--	10	5	75

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
A	3	1	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Monday	2:00 PM-3:00 PM	Main Staff Room

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Computer Fundamentals	8	20
2	Windows	4	20
3	Internet	8	20
4	Microsoft Word	10	20

5	Microsoft Excel	10	20
* Insert rows for more modules in the Course		<b>Total</b>	<b>40</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	12th Std	IT	-

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	3	Computer Skills-II

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Usage of Internet in day-to-day life
2	Use of Window shortcuts
3	Use of Word document for preparing Resumes, Use of Excel for Data storage, Use of PowerPoint for presentations

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Mar 2021	Mar 2020	Mar 2019	Mar 2018
Course Passing % – Average of 3 Divisions	100%			
Marks Obtained by Course Topper (Mark/100)				

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Mar 2020	LRJ		NA	NA	NA	NA
Mar 2019			NA	NA	NA	NA
Mar 2018			NA	NA	NA	NA

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Types of OS	2	Extra E-learning content to be provided
Microsoft Excel – Advanced Functions	5	More Practical to be given to students during lab session

## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students



Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1					

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Computer today (3rd edition)	Sanders, Donald H	McGraw Hill	3rd	1
2	Computer in Business	Sanders D	McGraw Hill	-	1
3	Computers	Subramaniam N	Wheeler	-	1

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Computer Fundamentals Information Technology	Pradeep K Sinha			1
2	Excel 2010	Stephen Moffat			2
3	Microsoft Office Professional 2013-Step by step	Beth Melton, Mark Dodge, Echo Swinford, Andrew Couch, Eric Legault, Ben Schorr and Ciprian Rusen	Microsoft	-	2

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Computer Fundamental <a href="https://www.tutorialspoint.com/computer_fundamentals/">https://www.tutorialspoint.com/computer_fundamentals/</a>	Top 10 Most Secure Internet Browsers <a href="https://cybersecuritymag.com/secure-internet-browsers/">https://cybersecuritymag.com/secure-internet-browsers/</a>	1-5

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals				
	Text	Reference	E- Book		Regular	E- Journal	Y	N	
1	✓								
2	✓								
3	✓								
4	✓								



5									
---	--	--	--	--	--	--	--	--	--

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content (live.vsit.edu.in)	1-5
2	Microsoft Teams	1-5

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Word Office 2016 Ultimate Basics for Beginners <a href="https://www.udemy.com/course/gearup-word-office-course-from-a-noobie-to-a-crackerjack/">https://www.udemy.com/course/gearup-word-office-course-from-a-noobie-to-a-crackerjack/</a>	Udemy	1 Hr	Y

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1				

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓		✓	✓	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration			

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	Co s	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site

1	1	1	Introduction to Subject and Discussion of TLP		1			
	2	1	<b>Personal Computers-</b> Identification/Demonstration of different storage Devices like CD and CD drive		1			
	3	1	Hard disk- HDD, Storing and Retrieving data from various Storage Devices		1			
	4	1	Identification of various Input and Output Devices		1			
2	5	1	Primary Memory, RAM and ROM		1			
	6	1	Processor- CPU, it's speed- machine cycle, ports, computer buses		1			
	7	1	Different types of Printers.		1			
	8	1	Introduction to trouble shooting of personal computers		1			
3	9	2	<b>Windows-</b> Introduction, Features, various versions of Windows		2			
	10	2	My computer, my documents, recycle bin, network neighbourhood, start menu		2			
	11	2	Taskbar, File and Folder operation (creating, copying, moving, deleting)		2			
	12	2	<b>Internet-</b> What is internet, most popular internet services		2			
	13	3	Fundamentals of Internet		3			
	14	3	Functions of internet like email, WWW, FTP		3			
	15	3	UseNet, Instant messaging		3			
	16	3	Internet Telephony, using Address Book		3			
5	17	3	Working with task list		3			
	18	3	Scheduling appointments		3			

	19	3	Reminders, events		3			
	20	3	Browsers and its different types		3			
6	21	4	<b>Microsoft Word-</b> The Word window		4			
	22	4	New documents, Document navigation, Editing text, Working with text, Undo and Redo commands		4			
	23	4	Cut, copy, and paste, Find and replace Text formatting, Character formatting, Tab settings		4			
	24	4	Paragraph formatting, Paragraph spacing and indents Tables		4			
7	25	4	Creating tables, Working with table content, Changing the table structure Page layout		4			
	26	4	Headers and footers, Page setup Graphics		4			
	27	4	Adding graphics and clip art, Working with graphics Proofing		4			
	28	4	printing, and exporting,		4			
8	29	4	Spelling and grammar, AutoCorrect		4			
	30	4	Printing and exporting documents		4			
	31	5	<b>Microsoft Excel-</b> Fundamentals of Excel		5			
	32	5	Cut, Copy, Insert, Delete, Paste Special		5			
9	33	5	Custom Formatting , Undo, Redo		5			
	34	5	Excel Formulas – Basic		5			
	35	5	Excel Formulas – Basic		5			
	36	5	Useful functions and Paste Function, Calc, Comments, Drawing toolbar		5			

10	37	5	Edit, Replace, Delete, Clear, Essential Printing		5			
	38	5	Data Sorting, Hiding, AutoFormats, Protection		5			
	39	5	Basic Charts		5			
	40	5	Basic Formatting If Function		5			

**6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)**

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) specify	Total
05			10	05		05		25

**7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)**

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Computer Fundamentals	1	Week 2	Week 3
2	Windows	2	Week 3	Week 4
3	Internet	3	Week 5	Week 6
4	Microsoft Word	4	Week 8	Week 9
5	Microsoft Excel	5	Week 10	Week 10

**Analysis of Assignment / Tutorial Questions and Related Resources**

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	2	✓	✓		1				✓	✓

2	3	✓	✓	✓	2				✓	✓
3	5	✓	✓		3				✓	✓
4	8	✓	✓		4				✓	✓
5	10	✓	✓		5				✓	✓

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test				-	-
<del>2<sup>nd</sup> IA Test</del>					
Pop Quiz					
Open Book Test					
Take Home Test					
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

## 9.a

### Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Creating and Editing of a Word Document			
2		Formatting of a Word Document			
3		Inserting Table in word document			
4		Adding Graphics to the Word Document			

5		Custom Formatting in Excel			
6		Basic Excel Formulas			
7		Data Sorting			
8		Basic Charts			
9		Aggregate Functions			
10		If and nested If functions			

### 9.b

#### Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	IV	Student Result Generation			

### 9.c

#### Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	IV	Sorting and Filtering Employee data			

### 10.

#### Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Yes
4		Mini Projects	Yes
5		Pop Quiz	Yes
6		Mobile App Based Quiz	Yes
7		Open Book Test	
8		Take Home Test	
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	

11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	
16		Value Added Courses	
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

**Teaching Methodology: -**

- 1) Gamification
- 2) Flip Classroom

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)




Principal -  
VIDYALAKSHMI SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalakshmi at Marg, Vidyalakshmi  
Educational Campus, Vastana (E)  
Mumbai - 400 027

### AAP Compliance

Course- FYBFM

Faculty - Snehal Tandale

Sem 2 - Computer Skills-I

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
31-01-2022	1:30 - 2:30	Introduction to Computer	-;	Powerpoint;	48
02-02-2022	12:30 - 1:30	Major Components of Computer	-;	Flipped classroom; Powerpoint;	49
04-02-2022	3:45- 4:45	Introduction to Microsoft Word	Practical;	Powerpoint;	37
08-02-2022	1:30 - 2:30	Parts of Computer	-;	Powerpoint;	40
09-02-2022	3:45- 4:45	RAM and its Types	-;	Powerpoint;	44
11-02-2022	3:45- 4:45	Introduction to Microsoft Word	Practical Demonstration;	Powerpoint;	46
14-02-2022	1:30 - 2:30	Memory and its Types	Take Home Assignments;	Powerpoint;	39
15-02-2022	3:45- 4:45	Data Measurement, Characteristics of Computer	Take Home Assignments;	Powerpoint;	36
16-02-2022	3:45- 4:45	Generation of Computer	-;	Powerpoint;	34
18-02-2022	3:45- 4:45	Bookmark and Smart Art	Practical;	Powerpoint; Practical Demonstration;	30
22-02-2022	2:45 - 3:45	Working of Different Types of printers	-;	Powerpoint;	35
23-02-2022	3:45- 4:45	Troubleshooting of Computers	-;	Powerpoint;	30
25-02-2022	1:30 - 2:30	Cross Reference and HyperLink	Practical Demonstration;	Powerpoint;	41
28-02-2022	1:30 - 2:30	Computer Ports	-;	Powerpoint;	40



02-03-2022	3:45-4:45	Software and Types	-;	Powerpoint;	28
02-03-2022	3:45-4:45	Software and Types	-;	Powerpoint;	28
04-03-2022	12:30 - 1:30	Mail Merge	Practical Demonstration;	Powerpoint;	51
07-03-2022	1:30 - 2:30	Operating System and Unit Test	Quiz;	Powerpoint;	64
09-03-2022	3:45-4:45	Tasks of Operating System	-;	Powerpoint;	22
14-03-2022	1:30 - 2:30	Network and its Types	-;	Powerpoint;	51
15-03-2022	1:30 - 2:30	Internet and its Usages	-;	Powerpoint;	48
16-03-2022	3:45-4:45	Internet Intranet and Extranet	-;	Powerpoint;	35
22-03-2022	12:30 - 1:30	Math Functions	Practical Demonstration;	Powerpoint;	40
23-03-2022	12:30 - 1:30	Anatomy of URL	Open Book ;	Powerpoint;	36
28-03-2022	12:30 - 1:30	Types of Web Sites	-;	Powerpoint;	37
30-03-2022	12:30 - 1:30	IP Addresses	-;	Powerpoint;	30
01-04-2022	12:30 - 1:30	E-Mail Services	-;	Powerpoint;	30
04-04-2022	12:30 - 1:30	E-Mail Etiquettes	open Book Test;	Powerpoint;	40
04-04-2022	12:30 - 1:30	E-Mail Etiquettes Contd	-;	Powerpoint;	33
05-04-2022	12:30 - 1:30	String Function	-;	Powerpoint;	45
06-04-2022	12:30 - 1:30	Web Browsers	-;	Powerpoint;	30
08-04-2022	12:30 - 1:30	Search Engine and its Types	-;	Powerpoint; Practical Demonstration;	32
11-04-2022	12:30 - 1:30	CLI and GUI	-;	Powerpoint;	28
06-04-2022	12:30 - 1:30	Web Browsers	-;	Powerpoint;	30

08-04-2022	12:30 - 1:30	Search Engine and its Types	-;	Powerpoint;	32
12-04-2022	12:30 - 1:30	Data and Time Function	Practical demonstr ation;	Powerpoint;	48
13-04-2022	12:30 - 1:30	Anamoly of web	-;	Powerpoint;	36
18-04-2022	12:30 - 1:30	Examples of Operating System	-;	Powerpoint;	45
19-04-2022	12:30 - 1:30	Practical Revision	-;	Powerpoint;	50
20-04-2022	12:30 - 1:30	Features of Operating System	-;	Powerpoint;	35
22-04-2022	12:30 - 1:30	Exam Written and Online	-;	Powerpoint;	48
25-04-2022	12:30 - 1:30	Revision	-;	Powerpoint;	30

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e-books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To hone verbal/written and visual, as both need different skills-sets to master them.
Affective	What do you want students to think / care about?	To use the power of creativity for a commercial/business reason
Behavioural	What do you want students to be able to do?	In an ad agency, as a copywriter, one cannot “Just be creative and express self” – here one is in a ‘creative professional’, and have to be able to use the power of creativity for a commercial/business reason – as someone is paying you to get a problem solved, using your creativity

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
--------	------------	------------------

CO1	To familiarize the students with the concept of copywriting as selling through writing	Unit 1
CO2	To learn the process of creating original, strategic, compelling copy for various mediums	Unit 2
CO3	To train students to generate, develop and express ideas effectively	Unit 3
CO4	To learn the rudimentary techniques of advertising headline and body copywriting, the economy of words and thought peculiar to this type of writing, and the necessity of creative thinking in written expression.	Unit 4

S

**1.c**

**Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	S	S	S								
CO 2	S	S	S	S								
CO 3	S	S	S	S								
CO 4	S	S	S	S								
CO 5	S	S	S	S								

**1.d**

**Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e**

**Teaching and Examination Scheme (As specified by the University) for the Course**

Categori es	Mathemati cs	Computi ng / IT /	Humaniti es & Soft Skill	Social Scienc es	Commer ce	Manageme nt	Multidisciplin ary
----------------	-----------------	----------------------	--------------------------------	------------------------	--------------	----------------	-----------------------

		Electronics					
Tick suitable category							✓

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
BAMMC DRGA-501	Copywriting	75			3			3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks			IA Test		End Sem. Exam Marks	TW	Practical
		IA 1	IA 2	Sum of IA1 and IA2					
BAMMC DRGA-501	Copywriting	25		25		75			100

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>TYBMM (A)</b>	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

#### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
<b>TYBMM (A)</b>	Friday	3 to 4 p.m.	MS teams

#### 2.a

#### Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	INTRODUCTION TO COPYWRITING	8hr	25
2	WRITING FOR ADVERTISING	8hr	25
3	CURRENT ADVERTISING CAMPAIGNS	8 hr	15
4	MEDIA AND AUDIENCES	8hr	15
5	WRITING COPIES, APPEALS, EXECUTION 08 STYLES AND EVALUATION	<b>8 hr</b>	<b>20</b>
* Insert rows for more modules in the Course <b>Total</b>		<b>40</b>	<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	2	Advertising	All
2	3	Media Studies	All
3	1	Mass Communication	All

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	TYBMM	Advertising
2	MBA/MMS/MAEMA	Specialisation in Advertising Mgmt.
3		

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
-----	---

1	In field of Advertising in Ad agency or Media Professional, freelancing etc.
2	Creating campaign and awareness of product, ideas and cause.

### 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Oct 2021	Oct 2020	Oct 2019	
Course Passing % – Average of 3 Divisions	100%	100%	100	
Marks Obtained by Course Topper ( mark/100)		97%	90%	

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Mar 2020	ABB	100%				
Mar 2019	Harish Iyer	97%			NA	NA
Mar 2018						

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Creativity	1	Assignment
	3	Practical examples, case study, campaign, ad making

### 4 All the Learning Resources – Books and E-Resources

#### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	The Copywriter's Handbook: A Step-By-Step Guide To Writing Copy	Robert Bly			
2					

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**4.b****List of Reference Books (R – Symbol for Reference Books) to be Referred by Students**

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Looking Away	Harsh Mandar			1 <sup>st</sup>
2	Copywriting	J.Jonathangabay Frsa			1&2
3	Copywriting: Successful Writing For Design, Advertising And Marketing	Mark Shaw			3
4	The Adweek Copywriting Handbook: The Ultimate Guide To Writing Powerful Advertising And Marketing Copy From One Of America'S Top Copywriters Paperback	By Joseph Sugarman			4

**4.c****List of E - Books (E – Symbol for E-Books) to be Referred by Students**

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	The ABC of copywriting	Tom Albrighton			
2					

**4.d****Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]**

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="https://www.campaignlive.co.uk/the-work/agency/ogilvy/8525">https://www.campaignlive.co.uk/the-work/agency/ogilvy/8525</a>	Advertising Age	All
2		Campaign India	
3			

**4.e****Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Module No.	Category ( Please Tick Mark ) - √			Available In VSIT Library?	Details of the Resource
	Book		Journals		



	Text	Reference	E-Book	Magazine	Regular	E-Journal	Y	N	(i.e. Name, Chapter & Page No., etc.)
1	✓	✓					Y		Unit 1-4
2	✓	✓					Y		Unit 1-4
3	✓	✓					Y		Unit 1-4
4	✓	✓					Y		Unit 1-4

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="https://www.youtube.com/watch?v=IIYNMdv9E">https://www.youtube.com/watch?v=IIYNMdv9E</a>	All
2	<a href="https://www.youtube.com/watch?v=hcZ1aZ60k7w">https://www.youtube.com/watch?v=hcZ1aZ60k7w</a>	All

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link		Course Duration	Certificate (Y / N)
1	<a href="https://www.inst.org/copy/">https://www.inst.org/copy/</a>		5 weeks	Y
2	<a href="https://coursesity.com/course-detail/free-copywriting-tutorial-copywriting-fundamentals-for-beginners">https://coursesity.com/course-detail/free-copywriting-tutorial-copywriting-fundamentals-for-beginners</a>		5 weeks	
3	<a href="https://alison.com/occupation/copywriter">https://alison.com/occupation/copywriter</a>			

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Digital advertising	ZIMA	5 weeks	Y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	In progress	✓	✓	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	21/06/2021	31/10 /2021	15

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	Co s	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	INTRODUCTION TO COPYWRITING		1		
	2	1	Basics of copy writing		1		
	3	1	Responsibility of Copy writer CREATIVE THINKING a. How to inculcate a 'creative thinking attitude'.		1		
2	4	1	The idea incubation process		1		
	5	1	What's the Big Idea? - How to get to the ONE BIG IDEA that will inspire creative		1		
	6	1	Crafting the reasons why consumers should believe your brand and act		1		

3	7	1	IDEA GENERATION Idea generation techniques: TECHNIQUES eg. Brainstorming, Triggered brainwalking, Questioning assumptions, Picture prompts,		2		
	8	1	Scamper, Observation, Referencing, Interaction, Imagination, Dreams, and Creative Aerobics		1		
	9	2	TRANSCREATIVITY WRITING FOR ADVERTISING Marketing Brief		1		
4	10	2	Creative Brief WRITING PERSUASIVE COPY a. Tone of Voice What's the Tone? c. Tonality and character matters		1		
	11	2	How to make your Writing, walk, Talk, and breathe		1		
	12	2	Creating Breakthrough Writing		1		
5	13	2	How to Control the "Command Center" in Your Prospect's Mind How to Change Perception		1		
	14	2	i. Emotionality, Storytelling		2		
	15	3	CURRENT ADVERTISING CAMPAIGN Two current campaigns for each of the following agencies including TVC, Print, Outdoor and digital should be studied, and analyzed in the class room <b>JWT</b> a. Copy writing style b. Idea and concept c. How copy is varied for differ media		2		<b>Times Spark - A Salaam To Kalam</b>  Himalayan sparkling

6	16	3	<b>JWT</b> d. Copy for children, youth, women, Senior citizens, executives millenials, Baby Boomers, Gen X, Gen Y, Gen Z e. Advertising appeals f. Tone of Voice g. Story telling	2		Voxi ( I am endless even in isolation
	17	3	<b>Ogilvy</b> a. Copy writing style b. Idea and concept c. How copy is varied for differ media d. Copy for children, youth, women, Senior citizens, executives millenials, Baby Boomers, Gen X, Gen Y, Gen Z	2		
	18	3	<b>Ogilvy</b> e. Advertising appeals f. Tone of Voice g. Story telling <b>Lowe Lintas</b> a. Copy writing style b. Idea and concept c. How copy is varied for differ media	2		
7	19	3	<b>Lowe Lintas</b> d. Copy for children, youth, women, Senior citizens, executives millenials, Baby Boomers, Gen X, Gen Y, Gen Z e. Advertising appeals f. Tone of Voice g. Story telling <b>FCB Ulka</b> a. Copy writing style b. Idea and concept c. How copy is varied for differ media	3		
	20	3	<b>FCB Ulka</b> d. Copy for children, youth, women, Senior citizens, executives millenials, Baby Boomers, Gen X, Gen Y, Gen Z e. Advertising appeals f. Tone of Voice g. Story telling	3		
	21	3	<b>DDB Mudra</b> a. Copy writing style b. Idea and concept c. How copy is varied for differ media	3		
8	22	3	<b>DDB Mudra</b> d. Copy for children, youth, women, Senior citizens, executives millenials, Baby Boomers, Gen X, Gen Y, Gen Z e. Advertising appeals f. Tone of Voice g. Story telling <b>Publicize Worldwide</b>			

			a. Copy writing style b. Idea and concept c. How copy is varied for different media			
	23	3	<b>Publicize Worldwide</b> d. Copy for children, youth, women, Senior citizens, executives millennials, Baby Boomers, Gen X, Gen Y, Gen Z e. Advertising appeals f. Tone of Voice g. Story telling			
	24	4	MEDIA AND AUDIENCE WRITING COPY FOR VARIOUS MEDIA a. Print: Headlines, sub headlines, captions, body	3		
9	25	4	Television: Storyboard, Storyboarding Power of silence, formats of TV's	1		
	26	4	Techniques, Balance between words and visuals	3		
	27	4	Radio	3		
10	28	4	Digital copy for social media like facebook Instagram etc f. Copy for web Outdoor posters	1		
	29	4	WRITING COPY FOR VARIOUS AUDIENCES a. Children	1		
	30	4	Youth, c. Women, d. Senior citizen and e. Executives	2		
11	31	5	Executives f. Baby Boomers, Gen X, Gen Y (Millennials), Gen Z WRITING COPIES, APPEALS, EXECUTION 08 STYLES AND EVALUATION	1		
	32	5	a. Direct mailer, COPY FOR b. Classified, c. Press release, d. B2B, e. Email copy f. Advertorial, g. Infomercial	1		

	33	5	APPEALS AND Music Rational appeals b. Emotional appeals: Humor, Fear, Sex		2		
12	34	5	Various advertising execution techniques The techniques Evaluation of an Ad Campaign				
	35	5	Evaluate the ad in terms of its efficacy, that is, to what extent the campaign has achieved its set objectives;		4		
	36	5	Learn to appreciate the aesthetic aspects of the ad – how the ad looks layout		4		
13	37	5	colour scheme, typography, balance etc.		1		
	38	5	Corruption issues faced by the common man		1		
	39	5	Challenges faced by senior citizens and the physically/ mentally challenged.		1		
14	40		revision				

6.

### Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assign-ments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) Specify	Total
						5		5

**7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)**

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	INTRODUCTION TO COPYWRITING	CO1	3 <sup>rd</sup> Week	4 <sup>th</sup> Week
2	WRITING FOR ADVERTISING	CO2	5 <sup>th</sup> Week	6 <sup>th</sup> Week
3	CURRENT ADVERTISING CAMPAIGNS	CO3	8 <sup>th</sup> Week	9 <sup>th</sup> Week
4	MEDIA AND AUDIENCES	CO4	11 <sup>th</sup> Week	12 <sup>th</sup> Week

**Analysis of Assignment / Tutorial Questions and Related Resources**

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1		✓		✓	
2	5	✓			2		✓		✓	
3	8	✓			3		✓		✓	
4	11			✓	4		✓		✓	

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – *from Points 4.a to 4.d*

**8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details**

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	7 or 8 <sup>th</sup> Week	1 & 2	1 & 2	MCQ - 40 Marks Mid term- 20 marks	No IA Re-test
2 <sup>nd</sup> IA Test					IA is a Head of passing *

Pop Quiz	3 <sup>rd</sup> week				
Open Book Test	6 <sup>th</sup> week				
Take Home Test	9 <sup>th</sup> week				
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

**\* IA failures will have to appear for re-test in next semester**

### **9.a Practical Activities – Regular Experiments**

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

### **9.b Practical Activities – Newly Added Experiments**



Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Ad making (TVC) print ads etc. or documentary/ E -poster making			
2					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	All	Case lets		1	
2					

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Art of Copywriting
2			
3	Test and Assessments	Class Tests – (other than IA)	Surprise test
4		Mini Projects	TVC & print ad
5		Pop Quiz	Yes for Module 2
6		Mobile App Based Quiz	NA
7		Open Book Test	Yes
8		Take Home Test	Yes (5 question from each unit)
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	NA
11		Students Seminar	Maybe
12		Students Debates	Yes
13		Panel Discussion / Mock GD	yes
14		Mock Interview	NA

15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	yes
16		Value Added Courses	Maybe
17		Lecture Capture Usage	Yes

### New Pedagogy

- I. Picture Prompts- Guess who?
- II. Triggered Brainwalking- On the spot Slogan Writing
- III. TVC/Print
- IV. SCAMPER- Challenge the stalwarts ( Re positioning an existing brand)

√\* **Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Anindita Banerji



Faculty 1 Name (Sign.)

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 027.



**Consolidated Academic Administration Plan for the Course**  
**News Media Mgmt. (TYBMM-Journalism) – Sem. V –**  
**BAMMC. (Advertising)– 2021-22 – Odd Semester**  
**Asst. Prof. Anindita Banerji**

The academic resources available in VSIT –

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To analyze individual media and understand the Economic drivers of the economy.
Affective	What do you want students to think / care about?	Role of News media in society and Journalism as an agent of change
Behavioural	What do you want students to be able to do?	To develop hands-on experience as content marketers using journalistic and digital techniques.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To make students aware about the responsibilities, structure and functioning of an organization.	Unit 1 & 2
CO2	Students will be able to analyze individual media businesses and understand the Economic drivers of the media economy.	Unit 3
CO3	Students will have developed hands-on experience as content marketers using journalistic and digital techniques.	Unit 4
CO4	Students will have gained a perspective on the evolution of media in the last 25 years and on key current trends.	All units

5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
--	------	------	------	------	------	------	------	------	------	-------	-------	-------

CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

#### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

#### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category							✓

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
BAMMC EJNM 1B506	News Media mgmt..	75			3			3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
BAMMC EJNM 1B506	News Media mgmt..	25		25	75				100

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
Journalism	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

#### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
----------	-----	----------------------------------	-------------------------

C	Saturday	11:00am - 12:00noon	MS Teams

## 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction-Making News, Legacy Media	8	20
2	Organizational Structure	10	25
3	Resource and supply chain, and marketing techniques.	10	25
4	Disruptive Technology and Media Business Models	8	20
5	Case studies	4	10
6			
7			
* Insert rows for more modules in the Course		<b>Total</b>	<b>40</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	3	Intro to Journalism	ALL
2	3	Media Studies	All

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	TYBMM	Sem VI- Journalism
2	MBA/Masters in Comm. Journalism	Specialisation in Journalism
3		

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	In field of Media & Journalism
2	News agency /channels

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Oct 2022	Mar 2020	Mar 2019	Mar 2018
Course Passing % – Average of 3 Divisions	100%	100%	100%	
Marks Obtained by Course Topper ( mark/100)			70%	

Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Division	% Result
Mar 2020	Sidra Usmani	100				
Mar 2019	Raju Korti	100			NA	NA
Mar 2018	Raju Korti	100				

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Financial mgmt	1	Assignment & Guest lecture Practical examples, case study

## 4 All the Learning Resources – Books and E-Resources

### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	News Media Management	Mr P.K Ravindranath			
2	Print Media Communication and Management	Aruna Zachariah			

### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Understanding Company Law	, (Alstair Hudson)		1	2

2	Advertising and Integrated Marketing Communications	Kruti Shah		1	3
3	Newspaper organization and Management	(Rucket and Williams)		1	2
4				1	4

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	<a href="http://keralamediaacademy.org/wp-content/uploads/2015/02/Handbook-of-Journalism-Studies.pdf">http://keralamediaacademy.org/wp-content/uploads/2015/02/Handbook-of-Journalism-Studies.pdf</a>	THE HANDBOOK OF JOURNALISM STUDIES Edited by Karin Wahl-Jorgensen Thomas Hanitzsch			
2					

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="https://www.thequint.com/">https://www.thequint.com/</a>	<a href="http://www.outlookindia.com/">http://www.outlookindia.com/</a>	All
2	<a href="http://www.financialexpress.com/">http://www.financialexpress.com/</a>		

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals		Y	N	
	Text	Reference	E- Book		Regular	E- Journal			
1	✓	✓		✓		✓	Y		Unit 1-4
2	✓	✓		✓		✓	Y		Unit 1-4
3	✓	✓		✓		✓	Y		Unit 1-4
4	✓	✓		✓		✓	Y		Unit 1-4

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="https://www.youtube.com/watch?v=Kfbtlnlj08JA&amp;ab_channel=TEDxTalksTEDxTalksVerified">https://www.youtube.com/watch?v=Kfbtlnlj08JA&amp;ab_channel=TEDxTalksTEDxTalksVerified</a>	1-4
2	<a href="http://www.bloomberg.com/">http://www.bloomberg.com/</a>	All
3		1
4		3
5		

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.classcentral.com/course/swayam-society-and-media-2021-14291">https://www.classcentral.com/course/swayam-society-and-media-2021-14291</a>	Swayam	15 weeks	yes

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1				

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓		✓	✓	

### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	21 <sup>st</sup> June 2021	31/10/2021	15

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Introduction		1		



			Making News: Truth, Ideology and News work				
	2	1	Legacy Media Broadcast Media Overview		1		
	3	1	Broadcast Media Overview		1		
	4	1	Print Publishing Overview		1		
2	5	1	A Comparative Analysis with Electronic Media		1		
	6	1	Contemporary Elements, Dimensions and Image of Print Media		1		
	7	1	News media as business enterprise Types of ownership		1		
	8	1	Proprietary concerns		3		
3	9	2	<b>Organizational Structure</b>		2		
	10	2	Hierarchy		1		
	11	2	Decision making		1		
	12	2	Inter-relationship between departments		1		
4	13	2	Human Resource Specialized training for skilled workers development		1		
	14	2	Financial Management Costing classification and allocation Nature of cost Factors affecting cost • Fixed and variable costs		1		Guest lecture
	15	2	Challenges of Globalization and Liberalisation a) Foreign Direct Investment		1		
	16	2	b) Cross Media Ownership		1		
5	17	2	c) Commercialization of Media		1		

	18	2	Understanding Company Press and Registration of Books Act Law • Relevant aspects of Company Law		2		
	19	3	<b>Resource and supply chain, and marketing techniques.</b>		1		
	20	3	Resource and supply chain <ul style="list-style-type: none"> <li>• Newsprint</li> <li>• Technology</li> <li>• Production process</li> </ul>				
6	21	3	Advertising revenue building and maintenance • Circulation revenue Managing Resources				
	22	3	Ways to cut cost and boost revenue				
	23	3	Marketing techniques				
	24	3	Brand building • Public Relations i. Newspaper's relation to its community ii. Understanding the target audience				<b>Campaign for Print media</b>
7	25	3	iii. Building goodwill iv. Promoting the newspaper's / site's services				
	26	3	Sales promotional activities				
	27	3	Role of research and readership surveys				
	28	3	Sales forecasting and planning				
8	29	3	Advertising the newspaper / website I channel • Becoming a digital media brand				
	30	4	<b>Disruptive Technology and Media Business Models:</b>				
	31	4	The role of advertising				
	32	4	From Web 1.0 to 2.0				
9	33	4	Yahoo, Craigslist,				

	34	4	Google, Facebook,				
	35	4	Twitter, Whats App, Pinterest				
	36	4	<b>Case studies –</b> Eenadu and Network 18				News anchor  Creation of Mobile News: 5 one minute news stories or 5 minutes news bulletin
10	37	5	Expansion of Sky Network [Star Network in India]				
	38	5	Channels along with IRS Studies				
	39	5	Relevance of TAM Ratings in News				
	40	5	Revision				
11			Revision				

#### 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assign-ments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) Specify	Total
						5		5

#### 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	News media as business enterprise	CO1	3 <sup>rd</sup> Week	4 <sup>th</sup> Week
2	Cost and Profitability	CO2	5 <sup>th</sup> Week	6 <sup>th</sup> Week
3	Sales promotional activities • Role of research and readership surveys	CO3	8 <sup>th</sup> Week	9 <sup>th</sup> Week
4	From Web 1.0 to 2.0	CO4	11 <sup>th</sup> Week	12 <sup>th</sup> Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1		✓		✓	
2	5	✓			2		✓		✓	
3	8	✓			3		✓		✓	
4	11			✓	4		✓		✓	

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	7 or 8 <sup>th</sup> Week	1 & 2	1 & 2	Q1 – MCQ - 20 Marks	No IA Re-test
<del>2<sup>nd</sup> IA Test</del>					IA is a Head of passing *
Pop Quiz	3rd week	Module 1			
Open Book Test	5th week	Module 2			
Take Home Test					

Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Podcast , News anchoring ,documentary			
2					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	All	Case lets		1	

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Financial mgmt
2		Industrial Visit	May Be
3	Test and Assessments	Class Tests – (other than IA)	Surprise test
4		Mini Projects	Documentary
5		Pop Quiz	Yes for Module 1
6		Mobile App Based Quiz	yes
7		Open Book Test	Yes
8		Take Home Test	Yes (5 question from each unit)
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	Yes
11		Students Seminar	Maybe
12		Students Debates	Yes
13		Panel Discussion / Mock GD	Yes
14		Mock Interview	Yes
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	yes
16		Value Added Courses	Yes (Podcast)
17		Lecture Capture Usage	Yes

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)


Anindita Banerji

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)



  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



---

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e-books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To understand tools and techniques of writing and editing.
Affective	What do you want students to think / care about?	To acquaint learners with the art of narration and storytelling strictly within the contours of journalistic principles.
Behavioural	What do you want students to be able to do?	This course should help students to learn how media has become digital from being a printed word on paper.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	As an important segment of newspaper production, editing is a vital function. The syllabus lays stress on language skill improvement .	I
CO2	It aims at orienting students to gain more practical knowledge in the print media scenario. The syllabus encompasses the current trends of digital media as well as writing for e editions of papers.	All
CO3	The syllabus tackles editing from various beats points of view.	II & III
CO4	Editing of editorials, columns, etc is included to acquaint the students about responsible journalism.	IV
CO5	With global media and changing advertising concepts lay-outs in modern times can be imparted.	V

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not**



mapped)

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S			S								
CO 2	S											
CO 3					S							
CO 4				S								
CO 5						S						

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1		S		
CO 2	S		S	
CO 3				M
CO 4	S			
CO 5				S

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category			✓				

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
EJWS 1B502	Writing & Editing Skills	75	--	--	3	-	--	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
EJWS 1B502	Writing & Editing Skills	25	05	Scaled to 15 + 10 Class Participation	75	--	--	--	100

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
TYBAMMC (J)	4	N.A	N.A	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g**

**Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
TYBAMMC (J)	Pending	Pending	Microsoft Teams

**2.a**

**Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Tools and Techniques of Editing	08	20%
2	Crisp writing	08	20%
3	Resume writing : Telling your story	08	20%
4	Feature Writing	08	20%
5	Interviews	08	20%
* Insert rows for more modules in the Course		Total	<b>40</b>
			<b>100%</b>

**2.b**

**Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	FYBAMMC	Effective Communication Skills-II	Editing, summarizing, precis writing etc.

**2.c**

**Relevance to Future Courses**

No.	Semester	Name of the Course
1	All	Master in Communication & Journalism and Content Writing

2		Content Developer
---	--	-------------------

## 2.d

### Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	To grasp the most essential and interesting elements of a story and create an impactful narrative.
2	To understand the challenges of creativity of the learner.
3	To acquaint learners with the art of narration and storytelling strictly within the contours of journalistic principles.

## 3.

### Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Dec 2021	Dec 2020	Dec 2019
Course Passing % – Average of 3 Divisions	100%	New subject	
Marks Obtained by Course Topper ( mark/100)	-		

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future

## 4

### All the Learning Resources – Books and E-Resources

## 4.a

### List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1					

*Dr. Kelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vardola (E)  
Educational Campus, Vardola (E)  
Mumbai - 400 037.



## 4.b

### List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
--------	-----------------------	----------	-----------	---------	-------------

1	The Editor's Toolbox	Buck Ryan and Michael O' Donnell,	Surjeet Publication		
2	Writing for the Mass Media	James Glen Stovall			
3	The Copyeditor's Handbook	Amy Einsohn	University of California Press, 2011	3rd ed.	
4	The Chicago Manual of Style				

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	The Art of Writing and Speaking the English language	Sherwin Cody			

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1			

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Magazine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1		✓						✓	
2		✓						✓	
3		✓						✓	
4		✓						✓	

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="https://siped.org/tybmm/journo-semester-5/editing/">https://siped.org/tybmm/journo-semester-5/editing/</a>	All

2		
---	--	--

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1				

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓		✓		

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	21 <sup>st</sup> June 2021		13

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos. / Books/ Web Site
1	1	1	Subject Induction				
	2	1	Tools & Techniques of Editing (Brevity & Functional Grammar)		CO1		

	3	1	Tools & Techniques of Editing (Word power & Punctuations)		CO1		
2	4	1	Exercise on Tools & Techniques of Editing		CO1		
	5	1	Style book (use of numbers, abbreviations, names & terms)		CO1		
	6	1	Style book (use of numbers, abbreviations, names & terms)				
3	7	1	Activity #1 on Style book		CO1		
	8	1	Revision of Module I		CO1		
	9	2	Finding the right story angle		CO1		
4	10	2	News Sense		CO1		
	11	2	Writing headlines & captions		CO1		
	12	2	Writing leads & intros		CO1		
5	13	2	Podcast & Net cast		CO1		
	14	2	Web writing		CO2		
	15	2	Activity #2 on crisp writing		CO2		
6	16	2	Class Test on Unit I & II		CO1		
	17	3	Building a narrative		CO1		
	18	3	Assimilating facts & details		CO2		
	19	3	Layout & page design		CO1		
7	20	3	Layout & page design		CO2		
	21	3	Activity #3 on pictorial resume		CO2		
	22	3	Credible voice		CO2		
8	23	3	Credible voice		CO2		
	24	3	Revision		CO1		
	25	4	Human interest stories				
9	26	4	Columns (Analytical & interactive)		CO2		
	27	4	Columns (Analytical & interactive)		CO2		
	28	4	Agony Aunt		CO2		
10	29	4	Editorials		CO2		
	30	4	Editorials		CO2		
	31	4	Activity #4 on reviews				
11	32	4	Revision				
	SS	4	Obituaries				
	33	5	Preparing for interviews		CO2		
	34	5	Preparing for interviews		CO2		
12	35	5	Questionnaire		CO2		
	36	5	Protocol & Ethical Issues		CO2		
	37	5	Protocol & Ethical Issues		CO2		
13	38	5	Writing interview copy		CO2		
	39	5	Activity #5 on mock interview		CO2		
	40	5	Class Test on all the units				

  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Wadala (E)  
 Educational Campus, Wadala (E)  
 Mumbai - 400 037.



6.

**Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)**

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Other (1) specify	Other (2) specify	Total
75% Attendance, Active Participation – 10 Marks	-	-			-	IA 1 (Descriptive) - 20 Marks, IA 2 (MCQ + Viva) – 20 Marks  Scaled to 15 Marks	-	75

7.

**Assignments / Tutorials Details (must attach print out of all questions together with AAP)**

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Editing of passages	CO1	2 <sup>nd</sup> Week	3 <sup>rd</sup> Week
2	Creation of stories	CO1	4 <sup>th</sup> Week	4 <sup>th</sup> Week
3	Writing headlines and captions for advertisements	CO1 & 2	5 <sup>th</sup> Week	6 <sup>th</sup> Week
4	Prepare a creative resume for print and also an audio-visual version	CO1 & 2	12 <sup>th</sup> Week	13 <sup>th</sup> Week

**Analysis of Assignment / Tutorial Questions and Related Resources**

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	2nd	✓			1		✓		✓	
2	4th	✓			2		✓		✓	
3	5th	✓			3		✓		✓	

4	12th	<input checked="" type="checkbox"/>			4		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
---	------	-------------------------------------	--	--	---	--	-------------------------------------	--	-------------------------------------	--

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – *from Points 4.a to 4.d*

## 8. Internal Assessment / Others Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1st IA Test				Q1 – MCQ - 10 Marks	No IA Re-test  IA is a Head of passing *
2nd IA Test				Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	
Pop Quiz					
Open Book Test					
Take Home Test					
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	NA				
2					
3					
4					

*Rakelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.





5	
6	
7	

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
NA					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
Style Book					

## 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes
2		Industrial Visit	NA
3	Test and Assessments	Class Tests – (other than IA)	Yes
4		Mini Projects	NA
5		Pop Quiz	Yes
6		Mobile App Based Quiz	NA
7		Open Book Test	NA
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	NA
10		Minute Papers	NA
11		Students Seminar	NA
12		Students Debates	NA
13		Panel Discussion / Mock GD	NA
14		Mock Interview	Yes

*D. Kelkar*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes
16		Value Added Courses	NA
17		Lecture Capture Usage	Yes

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

**Rumeli Sharma**

Faculty 1 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



**Anindita Banerji**

Head of Dept. (Sign.)

---

Teaching Methodology:

The anacronym **PPTT** is an effective way to remember some of the main reasons for starting a new paragraph:

Person - e.g. a new person is talking or character is introduced


Place - e.g. if the setting has changed

Topic - e.g. a new topic is explored

Time - e.g. a shift in time has occurred.

**\*\*a copy of a well-written text that is laid out in well-structured paragraphs will be provided to students. They will work in groups to identify the reason the author decided to start a new paragraph in each instance.**

When students can identify good reasons to start new paragraphs, they will be better able to edit their own work in this regard.

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**Consolidated Academic Administration Plan for the Course**  
**Mass Media Research (mention elective if appl.) – Sem. IV–**  
**BAMMC. – 2021-2022 –Even Semester**  
**Asst. Prof. Anindita Banerji**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To introduce students to debates in Research approaches and equip them with tools to carry on research.
Affective	What do you want students to think / care about?	To understand the scope and techniques of media research, their utility and limitations.
Behavioural	What do you want students to be able to do?	To understand role of research in media. To analyse the scope and techniques of media research and understand impact of media on society

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To provide adequate basic understanding about media research among the students	Unit 1 & 2
CO2	Understanding the impact of research on media	Unit 2
CO3	Students will be able to understand media and audience analysis	Unit 3
CO4	Help students in understanding the future scope of media research and its role.	Unit 4

5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												

CO 5												
------	--	--	--	--	--	--	--	--	--	--	--	--

#### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '–':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

#### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category							✓

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
BAMMC MMR-404	Mass Media Research	75			3			3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
	Mass media research	20	05	25	75				100

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
SYBAMMC	3:00	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

#### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
SYBMM	Friday	2:00pm – 3:00 p.m.	MS teams/X-018

#### 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction to mass media research	12lecs	15
2	Research designs	04	20
3	Data – collection methodology	18lecs	20
4	Content analysis	05	20
5	Application of research in mass media	5 lecs	15
6.	The Semiotics of the Mass Media.	4	10
* Insert rows for more modules in the Course		<b>Total</b>	<b>48</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/
1	3	Intro to Media Studies	ALL
2	1	Fundamentals of Mass Communication	

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	TYBMM	Sem V – Advertising in Contemporary society Sem V- Media planning and Buying Sem Vi- Advertising and media research
2	MBA/MMM	Specialisation in Advertising Event Management
3	MAEMA	Advertising Media research

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
-----	---

1	In field of Ad agency
2	Media

### 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Mar 2019	Mar 2018	Mar 2017	Mar 2016
Course Passing % – Average of 3 Divisions	100%	98.18		
Marks Obtained by Course Topper ( mark/100)	88%	89.5		

	Division A		Division B		Division A	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Mar 2021	ABB	100				
					NA	NA

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
	1	Assignment & diagrams, Practical examples, case study

### 4 All the Learning Resources – Books and E-Resources

#### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	. Research Methodology;	Kothari: Wiley Eastern Ltd	: Wiley Eastern Ltd		All
2	Mass media research	Prof. Kishwar Panna	Himalaya		All

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	A Handbook Of Social Science Research	Dixon, Bouma, Atkinson	OUP	3	2
2	Analysing Media Message:	Reffe, Daniel; Lacy, Stephen And Fico,	Lawrence Erlbaum associates.	1	4

		Frederick (1998)			
3	Media Research Methods	: Gunter, Brrie; (2000);	Sage	1	3
4					
5					

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	<a href="#">9.pdf (euacademic.org)</a>	Dr. Prabhat Pandey Dr. Meenu Mishra Pandey			
2					

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	International journal on Marketing and trade policy	Advertising Age	All
2	Journal of management – Available in Library	Campaign India	All
3	International journal on Marketing and research		

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals		Y	N	
	Text	Reference	E-Book		Regular	E-Journal			
1	✓	✓							Unit 1-4
2	✓	✓							Unit 1-4
3	✓	✓							Unit 1-4
4	✓	✓							Unit 1-4

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="https://www.youtube.com/watch?v=RQChgmWhQ-0&amp;ab_channel=cec">https://www.youtube.com/watch?v=RQChgmWhQ-0&amp;ab_channel=cec</a>	1-4
2	<a href="https://www.youtube.com/watch?v=w_Ujkt83i18&amp;ab_channel=ArpitaKarwa">https://www.youtube.com/watch?v=w_Ujkt83i18&amp;ab_channel=ArpitaKarwa</a>	2
3		1
4		3
5		

#### 4.g

#### Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://alison.com/course/data-journalism-and-media-standards-revised">https://alison.com/course/data-journalism-and-media-standards-revised</a> <b>Data Journalism and Media Standards</b>	NPTEL	1 week	y

#### 4.h

#### Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1				

#### 4.i

#### Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	✓	

### 5.

#### Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	22/11/21	28/02/2022	15

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading



						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Introduction (Syllabus)		1		
	2	1	Relevance, Scope of Mass Media Research		1		
	3	1	Role of research in the media I	10	1	1965	
2	4	1	Steps involved in the Research Process  Qualitative Research		1		
	5	1	Quantitative Research		1		
	6	1	Discovery of research problem		1		
3	7	1	identifying dependent and independent variables		2		
	8	1	developing hypothesis		1		
	9	1	revision		1		
4	10	1	Unit test 1		1		
	11	2	Research designs Concept, types and uses				
	12	2	Research Designs: Exploratory		1		
5	13	2	Descriptive and Causal		1		

	14	3	Data – collection methodology a. Primary Data – Collection Methods I. Depth interviews		1		
	15	3	II. Focus group		1		
6	16	3	III. Survey		1		
	17	3	IV. Observations		1		
	18	3	v. Experimentation		1		
7	19	3	Secondary Data Collection Methods Literature review		1		
	20	3	Designing Questionnaire Types and basics of questionnaire		1		
	21	3	types and basics of questionnaire		1		
8	22	3	Projective techniques		1		
	23	3	Attitude measurement scales		1		
	24	3	Sampling process ( assignments)		3		
9	25	3	Data Tabulation GL by Dr. Lakshmi Kavitha (CAO)		1		

	26	3	Internal test		3		
	27	4	Content analysis Definition and uses		3		
10	28	4	Quantitative approach		1		
	29	4	Qualitative approach		1		
	30	4	Steps in content analysis		2		
11	31	4	Presentations		1		
	32	4	Devising means of a quantification system		1		
	33	4	Limitations of content analysis	New media	2	06	
12	34	4	Application of research in mass media				
	35	4	Presentations		4		
	36	5	Readership and Circulation survey		4		
13	37	5	TRP		1		
	38	5	RRP		1		
	39	5	Audience Research		1		

14	40	5	Exit Polls				
	41	5	Advertising Consumer Research				
	42	6	The Semiotics of the Mass Media.				
15	43	6	a.What is semiotics in media				
	44	6	b. Why is semiotics important?				
	45	6	c.What are codes in semiotics?				
16	46	6	d. Semiotics and media				
	47		Revision				
	48		Revision				

#### 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assign-ments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) Specify	Total

#### 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Research designs Concept, types and uses	CO1	3 <sup>rd</sup> Week	4 <sup>th</sup> Week
2		CO2	5 <sup>th</sup> Week	6 <sup>th</sup> Week

	Quantitative and Qualitative approach Quantitative and Qualitative approach			
3	Mini project	CO3	8 <sup>th</sup> Week	9 <sup>th</sup> Week
4		CO4	11 <sup>th</sup> Week	12 <sup>th</sup> Week

### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (v)			Module No.	Based on #			Question Type (v)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1		✓		✓	
2	5	✓			2		✓		✓	
3	8	✓			3		✓		✓	
4	11			✓	4		✓		✓	

\* Tick (v) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

8.

### Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test		1 & 2	1 & 2	Q1 – MCQ - 40 Marks Mini project-20 marks Mid- term test -20 marks	No IA Re-test IA is a Head of passing *
2 <sup>nd</sup> IA Test					
Pop Quiz					
Open Book Test					
Take Home Test					
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		Mini Research on different topics			
2					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	All	Case lets		1	

2	2			3	
---	---	--	--	---	--

## 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Research analysis
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Internal tests
4		Mini Projects	yes NA
5		Pop Quiz	Yes
6		Mobile App Based Quiz	NA
7		Open Book Test	Yes
8		Take Home Test	Yes (5 question from each unit)
9	Collaborative and Group Activity	Poster Presentation	
10		Minute Papers	yes
11		Students Seminar	yes NA
12		Students Debates	Yes
13		Panel Discussion / Mock GD	Yes
14		Mock Interview	Yes NA
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	NYESA
16		Value Added Courses	
17		Lecture Capture Usage	NYesa

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Anindita Banerji

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)


Dr. Lakshmi Kavitha



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

Course Academic Administration Plan – BAMMC-Advertising – Semester IV

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037



Page | 13

### AAP Compliance

**Course -  
TYBAMMC -**

**Ad**

**Faculty - Anindita Banerji**

**Sem 5- Copywriting**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
23-06-2021	10:15 - 11:15	AAP	AAP word;	Powerpoint;	43
25-06-2021	10:15 - 11:15	copywriting	Guess who? brand slogans;	Powerpoint;	40
28-06-2021	10:15 - 11:15	copywriting	discussion;	Powerpoint;	41
25-06-2021	10:15 - 11:15	Qualities of a copywriter etc	discussion;	Powerpoint;	40
06-07-2021	10:15 - 11:15	principles of copywriting	case study;	Powerpoint; Video clips; Group Discussion;	39
12-07-2021	10:15 - 11:15	triggered brainwalking	discussion;	Powerpoint;	31
09-07-2021	10:15 - 11:15	Brainstorming	discussion;	Powerpoint;	36
07-07-2021	10:15 - 11:15	ad review	discussion;	Powerpoint; Video clips;	37
19-07-2021	10:15 - 11:15	creative aerobics	Poll;	Powerpoint;	33
22-07-2021	10:15 - 11:15	creative aerobics	Poll;	Powerpoint; Video clips;	29
22-07-2021	11:30 - 12:30	creative aerobics	case study;	Powerpoint; Video clips;	27
26-07-2021	10:15 - 11:15	creativity in advertising	discussion;	Powerpoint; Video clips;	30
02-08-2021	09:00 - 10:00	conscious and unconscious mind	discussion;	Powerpoint;	24
02-08-2021	09:00 - 10:00	Hieuristics	discussion;	Powerpoint; Video clips;	24
04-08-2021	10:15 - 11:15	Hieuristics	discussion;	Powerpoint;	34
09-08-2021	09:00 - 10:00	Test and Transcreativity	discussion;	Powerpoint; Video clips;	31



12-08-2021	10:15 - 11:15	types of briefs	discussion;	Powerpoint;	37
10-08-2021	10:15 - 11:15	transcreation	discussion;	Powerpoint; Video clips;	36
18-08-2021	10:15 - 11:15	revision	discussion;	Powerpoint; Video clips;	36
30-08-2021	09:00 - 10:00	Advertising brief	discussion;	Powerpoint;	23
27-09-2021	09:00 - 10:00	ad review and campaign	discussion;	Powerpoint;	21
05-10-2021	10:15 - 11:15	CAN elements	Student Presentatio n;	Powerpoint;	34
04-10-2021	09:00 - 10:00	logos, slogans, headlines	Student Presentatio n;	Powerpoint;	25
30-10-2021	09:00 - 10:00	Ad campaigns	discussion;	Powerpoint; Video clips;	22

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**Course -  
TYBAMMC -**

**Jour**

**Faculty - Anindita Banerji**

**Sem 5 News Media  
Management**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
25-06-2021	11:30 - 12:30	challenges of legacy media	news reading;	Powerpoint;	9
25-06-2021	11:30 - 12:30	Broadcast media	discussion;	Powerpoint;	9
24-06-2021	11:30 - 12:30	Ideology vs news	discussion;	Powerpoint;	8
06-07-2021	11:30 - 12:30	History of newspaper	discussion;	Powerpoint; Video clips;	9
13-07-2021	11:30 - 12:30	dept of news agency	discussion;	Powerpoint;	5
13-07-2021	11:30 - 12:30	Roles of different departments and people	discussion;	Powerpoint;	7
09-07-2021	11:30 - 12:30	making news	discussion;	Powerpoint; Video clips;	7
20-07-2021	11:30 - 12:30	News agency departments	discussion;	Powerpoint; Video clips;	9
22-07-2021	10:15 - 11:15	news making ethics	Poll;	Powerpoint; Video clips;	7
26-07-2021	11:30 - 12:30	ethics in media	Quiz;	discussion; Video clips;	8
03-08-2021	11:30 - 12:30	HRM in news media	discussion;	Powerpoint;	6
03-08-2021	11:30 - 12:30	Motivation	discussion;	Powerpoint;	6
12-08-2021	09:00 - 10:00	Work environment	discussion;	Powerpoint;	7
11-08-2021	09:00 - 10:00	training	discussion;	Powerpoint; Video clips;	7
10-08-2021	11:30 - 12:30	HRD in news media	discussion;	Powerpoint; Video clips;	7
01-10-2021	10:15 - 11:15	TAM Company Law	Student Presentation;	Powerpoint; Video clips;	6
30-09-2021	11:30 - 12:30	Eanadu	discussion;	Powerpoint; Video clips;	8

**Course -  
TYBAMMC -**

**Jour**

**Faculty - Rumeli Sharma**

**Sem 5 Writing and Editing  
Skills**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
23-06-2021	11:30 - 12:30	Introduction to the subject	class interaction;	Powerpoint;	9
29-06-2021	10:15 - 11:15	Grammar & creative writing	Activity on "Introduce your classmate";	Powerpoint;	7
30-06-2021	11:30 - 12:30	Identifying and correcting spellings	Exercise;	Word Document;	7
01-07-2021	10:15 - 11:15	Punctuation	Exercise;	Powerpoint;	7
05-07-2021	11:30 - 12:30	Punctuation	Exercise;	Powerpoint;	6
06-07-2021	10:15 - 11:15	Crisp Writing	Movies & books discussion;	Powerpoint;	5
07-07-2021	10:15 - 11:15	Continuation of crisp writing for journalism	Class Interaction;	Powerpoint;	7
12-07-2021	11:30 - 12:30	Identification through different style of writing	Student Presentation;	Powerpoint;	5
13-07-2021	10:15 - 11:15	Use of abbreviations & acronyms	Viva;	Whiteboard;	4
14-07-2021	09:00 - 10:00	Story angle	Students' interaction;	Powerpoint;	4
19-07-2021	11:30 - 12:30	Story angle	Story narration;	Powerpoint;	6
20-07-2021	10:15 - 11:15	Style book, captions, titles & jingles	Take Home Assignments;	Whiteboard;	7
28-07-2021	09:00 - 10:00	Writing Headlines	Interaction;	Powerpoint;	6
29-07-2021	09:00 - 10:00	Writing headlines & captions	Activity on caption writing;	Powerpoint;	5
30-07-2021	09:00 - 10:00	Leads & Types of Leads	Viva;	Powerpoint;	5
02-08-2021	11:30 - 12:30	Types of Lead	Class Test;	Powerpoint;	7

03-08-2021	10:15 - 11:15	Types of Leads	Practice sentences;	Powerpoint;	6
05-08-2021	10:15 - 11:15	Review of class test questions & novelty lead	Viva;	Powerpoint;	6
17-08-2021	11:30 - 12:30	Novelty Lead & Types of Leads	Class Interaction;	Powerpoint;	6
18-08-2021	13:00-14:30	Editing & Types	Students' Interaction;	Whiteboard;	6
20-08-2021	11:30 - 12:30	Types of Editing	Viva;	Dictation;	5
02-09-2021	10:15 - 11:15	Tips for Editing & Rewriting	Viva;	Whiteboard;	4
03-09-2021	11:30 - 12:30	Headlines	Viva;	Powerpoint;	4
07-09-2021	11:30 - 12:30	Headlines	Viva;	Powerpoint;	6
09-09-2021	09:00 - 10:00	Design and Layouts of Headlines	References;	Powerpoint;	6
21-09-2021	09:00 - 10:00	Narrative resume writing	Class interaction;	Powerpoint;	5
22-09-2021	09:00 - 10:00	Narrative Resume	Sample writing;	Powerpoint;	5
24-09-2021	11:30 - 12:30	Narrative Resume	Sample discussion;	Samples of resume;	5
28-09-2021	09:00 - 10:00	Online writing	Class interaction;	Powerpoint;	4
29-09-2021	09:00 - 10:00	Online writing	Viva;	Powerpoint;	5
01-10-2021	11:30 - 12:30	Human Interest Stories	Viva;	Powerpoint;	7
05-10-2021	09:00 - 10:00	Human Interest Stories	Class interaction;	Powerpoint;	7
06-10-2021	09:00 - 10:00	Feature Writing	class interaction;	Powerpoint;	5
08-10-2021	11:30 - 12:30	Interviews	Viva;	Powerpoint;	6
09-10-2021	13:00-14:30	Interviews	class test;	Powerpoint;	6
12-10-2021	09:00 - 10:00	Interview	Student Presentation;	Powerpoint;	6
13-10-2021	09:00 - 10:00	Revision	Class interaction;	PDF;	7

**Course -  
SYBAMMC**

**Faculty - Anindita Banerji**

**Mass Media Research**

Date	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
29-11-2021	10:15 - 11:15	Significance of MMR	discussion;	Powerpoint;	41
24-11-2021	10:15 - 11:15	MMR	discussion;	Powerpoint;	56
22-11-2021	11:15-12:15	AAP	discussion;	Powerpoint;	58
01-12-2021	10:15 - 11:15	Types of research	discussion;	Powerpoint; Video clips;	43
06-12-2021	11:15-12:15	quantitative & qualitative res	discussion;	Powerpoint;	49
07-12-2021	10:15 - 11:15	types of res	discussion;	Powerpoint;	45
08-12-2021	10:15 - 11:15	scope of research in media	discussion;	Powerpoint;	46
22-12-2021	10:15 - 11:15	types of research	discussion;	Powerpoint; Video clips;	43
20-12-2021	10:15 - 11:15	hypothesis	discussion;	Powerpoint;	45
15-12-2021	10:15 - 11:15	Mass med research	discussion;	Powerpoint;	38
12-01-2022	10:15 - 11:15	Abstract writing	discussion;	Powerpoint;	42
11-01-2022	10:15 - 11:15	sources of secondary data	discussion;	Powerpoint;	50
10-01-2022	11:15-12:15	Exploratory research	Quiz;	Powerpoint;	52
03-01-2022	11:15-12:15	types of exploratory research	discussion;	Powerpoint;	48

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**Version 2021-2022**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Gain knowledge about Provision of Contract Act, Sales of Goods Act, Consumer protection Act, Negotiable Instrument Act, Indian Companies Act, intellectual Property rights.
Affective	What do you want students to think / care about?	Understand the Provision of Contract Act, Sales of Goods Act, Consumer protection Act, Negotiable Instrument Act, Indian Companies Act, intellectual Property rights.
Behavioural	What do you want students to be able to do?	Implementation of provisions in current life.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Students can be able to understand the provisions of Contract Act, Sales of Goods Act	Unit 1
CO2	Students can be able to implement the provisions of Consumers Protection Act, Negotiable Instrument Act.	Unit 2
CO3	Students can be able to write the provision under Companies Act 2013	Unit 3
CO4	Students can be able to understand the concept of copyrights, patents and trademarks under Intellectual property right.	Unit 4

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	M	S									
CO 2	M	S	S									
CO 3	S	S	S									

CO 4	S	M	M									
CO 5												

#### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	S	S	S	
CO 2	M	S	M	
CO 3	S	M	S	
CO 4	S	S	M	
CO 5				

#### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category						✓	

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
	Business Law	75			3			3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
	Business Law	20	05	25	75				100

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	3.33	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>C</b>	3.33	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

#### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Saturday	2.00 pm to 3.00 pm	Online
C	Saturday	2.00 pm to 3.00 pm	Online

**2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper**

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Contract Act, Sales of Goods Act	10 hr	25
2	Consumers Protection Act, Negotiable Instrument Act.	10 hr	25
3	Companies Act 2013	10 hr	25
4	Intellectual property right (copyrights, patents and trademarks).	10 hr	25
* Insert rows for more modules in the Course		<b>Total</b>	<b>40</b>
			<b>100</b>

**2.b Prerequisite Courses**

No.	Semester	Name of the Course	Topic/s
1	12 <sup>th</sup>	OCM	Consumer Protection Act, Bill of Exchange, Joint stock Company
2			

**2.c Relevance to Future Courses**

No.	Semester	Name of the Course
1	II	MBA, MMS
2		LLB

**2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life**

No.	Real Life Application Mapping with the Course
1	To understand the current issues & its legality issues
2	To understand about provisions which will help them at the time of internship/projects/job

**3. Past Results – Division-Wise and Topic-Wise Result Based Analysis**

Details	Target – Oct 2021	Oct 2020	Oct 2019	Oct 2018
Course Passing % – Average of 3 Divisions	100%	99.51%	97.07%	92.93%
Marks Obtained by Course Topper ( mark/100)	100	97	95	91



	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Oct 2020	J Gunasundari	100%	Chitra M	99.51%	Harish N	100%
Oct 2019	Harish N	98.21%	Sagar G	98.18%	Harish N	94.55%
Oct 2018	Chitra M	96.67%	Ashwini Joshi	85.00%	Chitra M	94.92%
Oct 2017	CM/AJ	100%	CM/AJ	96.61%	CM/AJ	79.31%

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Definition, sections & Concept	All Module	Very difficult to remember, more case studies are required

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Business Law	K.R. Bulchandani -	Himalaya Publishing House	-	1-4
2	Elements of Mercantile Law	Kapur N.D.	Sultan Chand	-	1-4
3	Companies Act 2013	T P Ghosh	Taxmann	-	1-4

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Business Law	S.S. Gulshan	Excel Books, Delhi	-	1 - 4
2	Business Law	P.K. Goel	Biztantra	-	1 - 4
3	Intellectual Property Rights in India	Dr V K Ahuja	Wadhwa Book Company	-	1- 4
6					

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Business Law	Robert W. Emerson	Barrons Educational Series		All Module

2					
---	--	--	--	--	--

#### 4.d

#### Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
	Legal service	<a href="http://www.legal service India.com">www.legal service India.com</a>	
	Business Law	<a href="http://www.erlaws.com">www.erlaws.com</a>	
		<a href="http://www.vakil.com/bareact.htm">www.vakil.com/bareact.htm</a>	

#### 4.e

#### Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals				
	Text	Reference	E- Book		Regular	E- Journal	Y	N	
1	Y	Y			Y		Y		
2	Y	Y			Y		Y		
3	Y	Y			Y		Y		
4	Y	Y			Y		Y		

#### 4.f

#### Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content (live.vsit.edu.in)	1-4
2	Online Notes and PPTs	1-4

#### 4.g

#### Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://alison.com/courses/introduction-to-contracts-in-law-revised/content">https://alison.com/courses/introduction-to-contracts-in-law-revised/content</a>	Alison	1.5 to 3 hrs	Y

**4.h Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1				

**4.i Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
√	√	√	√	√	

**5. Consolidated Course Lesson Plan**

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	/08/2021	/11/2021	14

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Syllabus, Meaning, Definition and Essentials of Agreement and Contract		1		
	2	1	Types of Contract, Distinguish Between Contract and Agreement		1		
	3	1	Meaning & Essentials of Offer & Acceptance	Video	1		
2	4	1	Meaning & Essentials of Consideration & Capacity to Contract.		1		
	5	1	Meaning & Essentials of Free Consent, Lawful Object Consideration-Void Agreement	Case studies on C & A	1		
	6	1	Meaning of Sale and agreement to sale, Essentials of a Valid Sale Contract		1		
3	7	1	Meaning of Conditions and Warranties, Treating condition as a Warranty		1		

	8	1	Meaning & Rights of an Unpaid seller		1		
	9	1	Delivery of Goods, Distribution of Goods		1		
4	10	1	Rights & Duties of Seller & Buyer	Assignment 1	1		
	11	2	Meaning & Characteristics of Negotiable Instruments		2		
	12	2	Meaning & features of Bill of Exchange, Meaning & features of Promissory Note		2		
5	13	2	Meaning & features of Cheque		2		
	14	2	Distinguish between Bill of Exchange, Promissory Note & Cheque		2		
	15	2	Types and Dishonour of cheque	Case studies on B E	2		
6	16	2	Introduction of Consumer, Unfair Trade Practice		2		
	17	2	Meaning of Words "Defects and Deficiencies of Goods and Services"		2		
	18	2	Object of Consumer protection		2		
7	19	2	Consumer Protection Councils	Video	2		
	20	2	Consumer Disputes and Redressal Agencies	Assignment 2	2		
	21	3	Meaning & Features of Company, Types of Company		3		
8	22	3	Procedure for Incorporation of Company		3		
	23	3	Meaning & Content of Memorandum of association		3		
	24	3	Meaning & content of Article of Association	CAT	3		

9	25	3	Distinguish between Memorandum of association and Article of Association		3		
	26	3	Meaning and content of prospectus		3		
	27	3	Types of Meeting	Video	3		
10	28	3	Meaning & Appointment of Director		3		
	29	3	Powers, Rights, duties, Liabilities of Directors		3		
	30	3	Meaning of transfer & transmission of shares	Assignment 3	3		
11	31	4	Definition of Patent		4		
	32	4	Patentable and Not Patentable		4		
	33	4	Definition of Trademarks		4		
12	34	4	Types of Trademarks		4		
	35	4	Infringement and Passing off	Flyer, Scrap book, poster making	4		
	36	4	Definition of Copyright		4		
13	37	4	Subject in which Copyright exists		4		
	38	4	Originality, Meaning and content	Video	4		
	39	4	Authors and Owners, Rights and Restrictions		4		
14	40	4	Meaning of Geographical Indication	Assignment 4	4		

## 6.

**Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)**

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) specify	Total
							4 Assignment	

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Contract Act, Sales of Goods Act	CO2	<sup>rd</sup> 3 Week	<sup>th</sup> 4 Week
2	Consumers Protection Act, Negotiable Instrument Act.	CO2	<sup>th</sup> 5 Week	<sup>th</sup> 6 Week
3	Companies Act 2013	CO3	<sup>th</sup> 7 Week	<sup>th</sup> 8 Week
4	Intellectual property right (copyrights, patents and trademarks).	CO4	<sup>th</sup> 9 Week	<sup>th</sup> 10 Week

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1		✓			
2	6	✓			2		✓			
3	9	✓			3		✓			
4	11	✓			4		✓			

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

**8.****Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details**

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	August 2021	1 to 2	1 & 2	Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
<del>2<sup>nd</sup> IA Test</del>					IA is a Head of passing *
Pop Quiz	September 2021	1,2,3	CO1, CO2, CO3		
Open Book Test					
Take Home Test					

\* IA failures will have to appear for re-test in next semester

**9.a****Practical Activities – Regular Experiments**

Practical No.	Module No.	Title of the Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	2	Group Discussion on Negotiation & Endorsement	Negotiation	CO2	
2					

**9.b****Practical Activities – Newly Added Experiments**

Practical No.	Module No.	Title of the Newly Added Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	4	Critical thinking on requirement of patent, trademark, copyright	Intellectual property right	CO4	
2					

**9.c****Practical Activities – PBL Experiments**

Practical No.	Module No.	Title of the PBL Experiments	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	2	Case studies on Consumer protection Act	Redressal Agencies	CO2	

2	3	Case studies on Company Act	Ultra Vires	CO3	
---	---	-----------------------------	-------------	-----	--

## 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	Yes
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Yes
4		Mini Projects	
5		Pop Quiz	Yes
6		Mobile App Based Quiz	
7		Open Book Test	Yes
8		Take Home Test	
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	Yes
16		Value Added Courses	
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

## Teaching pedagogy

**Fieldwork - Accounting Internships** - Students get academic credit and real-world experience working in industry, government or public accounting

**Group Learning – Teamwork** - Students work together in teams, collaborating to complete a problem or project

**Debates** - Students work together in teams, collaborating to complete a problem or project

**Problem-Based Learning – Cases** - Students use knowledge, concepts, and skills relevant to a course to solve realistic business problems.

## Role play





Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)

VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

---

J. gurusur



**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To gain knowledge about various social, economic, and political issues that affect citizens in India.
Affective	What do you want students to think / care about?	To develop an empathetic understanding towards social causes and a heightened awareness and sensitivity towards human emotions, choices, and perceptions.
Behavioural	What do you want students to be able to do?	To develop themselves to be better-informed about their duties and responsibilities as members of the human society.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Understand the multi-cultural diversity of Indian society through its demographic composition: population distribution according to religion, caste, and gender; Appreciate the concept of linguistic diversity in relation to the Indian situation; Understand regional variations according to rural, urban and tribal characteristics; Understanding the concept of diversity as difference.	Unit 1
CO2	Understand the concept of disparity as arising out of stratification and inequality; Explore the disparities arising out of gender with special reference to violence against women, female foeticide (declining sex ratio), and portrayal of women in media; Appreciate the inequalities faced by people with disabilities and understand the issues of people with physical and mental disabilities.	Unit 2
CO3	Examine inequalities manifested due to the caste system and inter-group conflicts arising thereof; Understand inter-group conflicts arising out of communalism; Examine the causes and effects of conflicts arising out of regionalism and linguistic differences.	Unit 3
CO4	Philosophy of the Constitution as set out in the Preamble; The structure of the Constitution-the Preamble, Main Body and Schedules; Fundamental Duties of the Indian Citizen; tolerance, peace and communal harmony as crucial values in strengthening the social fabric of Indian society; Basic features of the Constitution.	Unit 4

CO5	The party system in Indian politics; Local self-government in urban and rural areas; the 73rd and 74th Amendments and their implications for inclusive politics; Role and significance of women in politics.	Unit 5
-----	--	--------

### 1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1												
CO 2												
CO 3												
CO 4												
CO 5												

### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category			✓		✓		

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
BAMMFC-101	Foundation Course - I	75			2			2

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
BAMMFC-101	Foundation Course - I	20	05	25	75				100

### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4

<b>A</b>	2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
----------	---	------	------	------	------	------	------	------	------

### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
<b>A</b>	TBA	TBA	MS Teams

### 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Overview of Indian Society	05	20%
2	Concept of Disparity 1	10	20%
3	Concept of Disparity 2	10	20%
4	The Indian Constitution	10	20%
5	Significant Aspects of Political Processes	10	20%
* Insert rows for more modules in the Course		Total	45
			100%

### 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1		None	

### 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	2	BMS, FC-II, Semester II
2	1	BMS, FHS

### 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Political process
2	Awareness of disparity

3	Inculcating an attitude of inclusivity
---	--

### 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Mar 2021	Mar 2020	Mar 2019
Course Passing % – Average of 3 Divisions	100	100	
Marks Obtained by Course Topper (mark/100)			

	Division A		Division B		Division C		Division F	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
2020	NA	NA	NA	NA	NA	NA	LP	100%

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
The Indian Constitution	4	Continuous class assessment

### 4 All the Learning Resources – Books and E-Resources

#### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	<i>Social and Economic Problems in India</i>	Naseem Azad	R Gupta	2011	1, 2 and 3
2	<i>Indian Society and Culture</i>	Vinita Padey	Rawat	2016	1
3	<i>The Constitution of India</i>	P M Bakshi		2011	4
4	<i>Politics in India: structure, Process and Policy</i>	Subrata Mitra	Routledge	-	5
5	<i>Politics in India</i>	Rajani Kothari	Orient Blackswan	-	5
6	<i>Urbanisation in India: Challenges, Opportunities &amp; the way forward</i>	J Ahluwalia, Ravi Kanbur, P K Mohanty	SAGE	2014	3

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	<i>Foundation Course – I</i>	P.G. Shinde, Mahesh Bhagwat et al	Sheth	2019	All

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
--------	----------------	----------	-----------	---------	-------------

1.					
----	--	--	--	--	--

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Module Nos.
1	Economic and Political Weekly <a href="https://www.epw.in/tags/globalisation">https://www.epw.in/tags/globalisation</a>	3

#### 4.e

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals		Y	N	
	Text	Reference	E-Book		Regular	E-Journal			
1		✓						✓	Foundation Course I by P.G.Shinde, Mahesh Bhagwat, Dr. Namita Nimbalkar & Meghna Shinde-Chakne, Sheth Publications

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1		
2	PPTs	1-5
3	Graded Questions	1-5

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1				

#### 4.i Study Material Distributed among Students

Tick if distributed among students

Course Academic Administration Plan – Foundation Course I – Semester I- BMS (2021-22)

*Dr. Kelke*  
Principal +  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Kurla (E)  
Mumbai - 400 027.



Page | 5

GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

## 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	18/01/2021		

Week No.	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos. / Books/ Web Site
1	1	-	Introduction to the Course, culture and multiculturalism		-		
	2	1	Demographic composition		CO1		
	3	1	Religious diversity		CO1		
2	4	1	Religious diversity		CO1		
	5	1	Regional variation		CO1		
	6	1	Regional variation		CO1		
3	7	2	Concept of disparity		CO2		
	8	2	Gender disparity -violence		CO2		
	9	2	Gender disparity - violence		CO2		
4	10	2	Gender disparity - violence		CO2		
	11	2	Gender disparity – portrayal of women in Indian media		CO2		

	12	2	Gender disparity – portrayal of women in Indian media		CO2		
5	13	2	Problems of the disabled		CO2		
	14	2	Problems of the disabled		CO2		
	15	2	Problems of the disabled		CO2		
6	16	1 & 2	Class test on Module 1 and 2		CO1 CO2		
	17	3	Caste system and inequalities		CO3		
	18	3	Caste system and inequalities		CO3		
7	19	3	Intergroup conflictions: caste		CO3		
	20	3	Intergroup conflictions: caste		CO3		
	21	3	Intergroup conflictions: communalism		CO3		
8	22	3	Intergroup conflictions: communalism		CO3		
	23	3	Intergroup conflictions: regionalism		CO3		
	24	3	Intergroup conflictions: regionalism		CO3		
9	25	3	Intergroup conflictions: linguistic differences		CO3		
	26	3	Class test		CO3		
	27	4	History of the Indian constitution		CO4		
10	28	4	Philosophy of the Indian constitution		CO4		



	29	4	Preamble		CO4		
	30	4	Preamble		CO4		
11	31	4	Features		CO4		
	32	4	Structure		CO4		
	33	4	Structure		CO4		
12	34	4	Fundamental duties		CO4		
	35	4	Tolerance, peace and harmony		CO4		
	36	4	Class Test		CO4		
13	37	5	The party system		CO5		
	38	5	Local self-government: rural		CO5		
	39	5	Local self-government: rural		CO5		
14	40	5	Local self-government: urban		CO5		
	41	5	Local self-government: urban		CO5		
	42	5	73 <sup>rd</sup> amendment		CO5		
15	43	5	74 <sup>th</sup> amendment		CO5		
	44	5	Significance of women in politics		CO5		
	45	5	Class Test		CO5		

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance)& Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) specify	Total
						5		5

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Module-wise assignment	All	Second lecture of each module	Second lecture of the succeeding module

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week/Lecture No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	Lecture 12	✓			2					✓
2	Lecture 17				2					✓
3	Lecture 34				3					✓
4	Lecture 37				ALL		✓		✓	✓

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	Week 8			Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test
2 <sup>nd</sup> IA Test	–				IA is a Head of passing *

Pop Quiz	Week 6	II			
Open Book Test	Week 2	I			
Take Home Test	Week 9	III			
Class tests / prelims	Week 12	I and II			
Class tests / prelims	Week 8				
Any other test/exams	–				

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	2 & 3	Room 101	Disparity	CO2 & CO3	

2	5	Concept mapping	Political process	CO5	
3	5	Essay on one Indian female politician	Political process	CO5	

## 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Yes
4		Mini Projects	Yes
5		Pop Quiz	
6		Mobile App Based Quiz	Yes
7		Open Book Test	
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	
10		Minute Papers	
11		Students Seminar	
12		Students Debates	Yes
13		Panel Discussion / Mock GD	Yes
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	
16		Value Added Courses	-
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Lakshmi Pillai  
Faculty 1 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



J. Gunasundari  
Head of Dept. (Sign.)

\* IA failures will have to appear for re-test in next semester

### 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	2 & 3	Room 101	Disparity	CO2 & CO3	

*Dr. Kelke*  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Vasanda (E)  
Mumbai - 400 027



2	5	Concept mapping	Political process	CO5	
3	5	Essay on one Indian female politician	Political process	CO5	

## 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Yes
4		Mini Projects	Yes
5		Pop Quiz	
6		Mobile App Based Quiz	Yes
7		Open Book Test	
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	
10		Minute Papers	
11		Students Seminar	
12		Students Debates	Yes
13		Panel Discussion / Mock GD	Yes
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	
16		Value Added Courses	-
17		Lecture Capture Usage	

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Lakshmi Pillai

Faculty 1 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)

J. Gunasundari  
Head of Dept. (Sign.)

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	Watch former lectures captured in LMS at VSIT

**1.a**

**Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	To know and understand the basic behavior pattern of human, the most important resource of a business and to deal with them in an appropriate manner.
Affective	What do you want students to think / care about?	Two individuals share the same anatomy but can have personality traits and behavioral traits that are totally opposite to each other, understanding these differences and utilizing them to our benefit
Behavioural	What do you want students to be able to do?	Understand how models, theories and concepts about organisational behaviour can be used in practice in different workplaces across different regions of the world.

**1.b**

**Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Students will be able to distinguish between the personality traits, behavioral patterns, different attitudes, types of intelligence, learning theories and many interesting models used to understand people and their behavior.	Unit 1
CO2	Students will raise the student's awareness of the centrality of organisational behaviour to understanding organisational functioning, focusing particularly on the individual and group/team level and also understand organisational processes from the perspectives of individuals and organisations.	Unit 2
CO3	Identify different motivational theories and evaluate motivational strategies used in a variety of organizational settings.	Unit 3

CO4	To make students understand about the change management, stress management and organisational development.	Unit 4
-----	--	--------

### 1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	S	S									
CO 2	S	M	M									
CO 3	S	S	S									
CO 4	S	S	M									
CO 5												

### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category						✓	

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
UBMSFSI.1	Foundation of Human Skills	75	--	--	3	-	-	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	SUM of IA1 and IA2					
UBMSFSI.1	Foundation of Human Skills	20	-	20	75	-	-	05	100

### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	3								



<b>B</b>	3								
<b>C</b>	3	-	-	-	-	-	-	-	-
<b>F</b>	3	-	-	-	-	-	-	-	-

### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
B	Thursday	11:00 am : 12.00am	MS Teams
F	Friday	11:00 am : 12.00am	MS Teams

### 2.a Syllabus : Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Understanding of Human Nature	10	25%
2	Introduction to Group Behaviour	10	25%
3	Organizational Culture and Motivation at Workplace	10	25%
4	Organizational change, Creativity and Development and Work Stress	10	25%
* Insert rows for more modules in the Course		<b>Total</b>	<b>40</b>
			<b>100</b>

### 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	-	NA	NA

### 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	V	BMS- Motivation and Leadership
2	II	MCom-Organizational Behavior

### 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Will enable them to assess and analyze the symptoms, causes and effects of work stress in order to implement appropriate stress management techniques.
2	Will enable them to understand the role that individuals play collectively to perform in organizations.
3	Will enable them to Apply knowledge to diagnose and solve problems in a wide range of diverse situations, dealing with people with different personality traits; with an ability to work independently or with others in a group/team and incorporate the analysis of evidence based scientific literature to solve psychological problems using thinking skills, styles, intelligence types and managerial skills

### 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target – 2021	Jan -2020	Nov- 2019	Nov 2018
Course Passing % – Average of 3 Divisions	100	100	86	89
Marks Obtained by Course Topper ( mark/100)	96	95	91.66	97.66

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Jan 2020	NKD	100	PJA	100	PJA	100
Nov 2019	SM	100	SM	85	PJA	90
Nov 2018	SBG	98	SBG	100	PA	95

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
NA		

### 4 All the Learning Resources – Books and E-Resources

#### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Management of Organizational Behaviour Leading Human Resources	Hersey Paul Balchandra K	Prentice-Hall of India Private Limited	9	All

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Organization Behaviour	Rao, Subba	Himalaya Publishing House	2010	2
2	Organizational Behaviour	Prasad: L.M.	Sultan Chand and Sons	2007	2
3	Understanding Organizational Behaviour	Pareek: UDAI	Oxford Book Company	2010	2, 3

4	Organizational Behaviour: An evidence based approach	Luthans, Fred	Mc Graw-Hill Book Company	12	2
5	Organizational development	French: W.L.; Bell: J.R.	Pearson Education Asia	2009	4
6	Personality development and soft skills	Mitra Barun K	Oxford book company	2012	1
7	Organizational theory, design and change	Jones, Gareth	Pearson	2011	4

#### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Sr. No	E- Book Titles	Author /s	Publisher	Edition	Module Nos.
1	A framework for human resource management	Gary Dessler	Pearson India	6	4
2	<a href="https://drive.google.com/drive/folders/0B1fEp9GpXelbVlhKb01GVTdmUEQ">https://drive.google.com/drive/folders/0B1fEp9GpXelbVlhKb01GVTdmUEQ</a>				

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	<a href="https://onlinelibrary.wiley.com/journal/10991379">https://onlinelibrary.wiley.com/journal/10991379</a>		All
2	<a href="https://www.tandfonline.com/loi/worg20">https://www.tandfonline.com/loi/worg20</a>		All

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Bookg			Maga-zine	Journals				
	Text	Reference	E-Book		Regular	E-Journal	Y	N	
1		✓				✓	Y		All
2		✓				✓	Y		All
3		✓							All
4		✓	✓				Y		All

#### 4.f Web Links for Online Notes/YouTube/VIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	Digital Content	1-4
2	PPTs	1-4
3	Graded Questions	1-4

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://www.coursera.org/learn/personality-types-at-work">https://www.coursera.org/learn/personality-types-at-work</a>	University of Florida	3 weeks	Y

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Leading People and Teams Specialization <a href="https://www.coursera.org/specializations/leading-teams">https://www.coursera.org/specializations/leading-teams</a>	University of Michigan	60	Y

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	From (date/month/year)	Total Number of Weeks
Semester Duration			

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended	
						Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
	1	1	Introduction to syllabus and relevance of subject in practical life		CO1		

1	2	1	INDIVIDUAL BEHAVIOUR : Concept of a Man, Individual differences	Mentimeter	CO1		
	3	1	Factors affecting Individual difference		CO1		
	4	1	Influence of environment		CO1		
2	5	1	PERSONALITY and ATTITUDE : Determinants of Personality, Personality Trait Theory		CO1		
	6	1	Big Five Model <b>(Video on Big five model)</b>	Video	CO1		
	7	1	Personality Traits important for Organizational Behaviour	IEF	CO1		
	8	1	Concept of Understanding Self ( Johari Windows ) <b>(Video on johari window)</b>	Video	CO1		
3	9	1	Nature and Components of Attitude, Functions of Attitude, Ways of Changing Attitude, Reading emotions		CO1		
	10	1	THINKING, LEARNING and PERCEPTIONS : Thinking skills, Thinking styles and Thinking Hat <b>(Video on Thinking hats)</b> , Managerial skills and development	Cognitive Thinking	CO1		
	11	1	Learning characteristics, Theories of learning ( Learning Approaches ), Classical conditioning, Operant conditioning	CAT & Assignment	CO1		
	12	2	INTRODUCTION TO GROUP BEHAVIOUR : Group Dynamics : Nature,	Mentimeter	CO2		
4	13	2	Types of Group Dynamics <b>(Case study on Group Dynamics)</b>	CS	CO2		
	14	2	Group behaviour Model ( Roles, Norms, Status, Process, Structures )		CO2		
	15	2	TEAM EFFECTIVENESS : Nature, Types of Teams		CO2		
5	16	2	Ways of forming an Effective Team, Setting Goals	GD	CO2		
	17	2	ORGANIZATIONAL PROCESSES AND SYSTEM : Power and Politics : Nature, Bases of Power, Politics nature		CO2		
	18	2	Types, Causes of Organizational Politics, Organizational Conflicts and Resolution		CO2		
	19	2	Conflict features, Types, Causes Leading to Organizational conflicts, Conflicts features	CAT & Assignment	CO2		
6	20	2	Levels of Conflicts <b>(Case study on organizational conflicts)</b> , Ways to resolve conflicts through five conflicts resolution strategies with outcomes	CS	CO2		
	21	3	ORGANIZATIONAL CULTURE : Characteristics of Organizational Culture	Mentimeter	CO3		

	22	3	Types, functions of Organizational Culture	Guest Lecture	CO3		
	23	3	Barriers of Organizational culture		CO3		
	24	3	Ways of creating Effective Organization Culture		CO3		
	25	3	Ways of maintaining Effective Organization Culture <b>(Case study on organizational culture)</b>	CS	CO3		
7	26	3	MOTIVATION AT WORKPLACE, MC. Gregor Theory X, Theory Y		CO3		
	27	3	Concept of Motivation, Theories of Motivation, A. Maslow need Hierarchy, F. Hertzberg dual Factor	Practical on Theory Development using Software and Literature	CO3		
	28	3	Ways of Motivating through Carrot ( Positive Reinforcement )		CO3		
8	29	3	Stick ( Negative reinforcement ) at workplace		CO3		
	30	3	ORGANISATIONAL CHANGE and CREATIVITY : Concept of Organizational Change	CAT & Assignment	CO3		
	31	3	Factors influencing Organizational Change, Kurt Lewins model of Organizational Change and Development (Video on Kurt Lewins model)	Mentimeter	CO3		
9	32	4	Creativity and Qualities of a creative person, Ways of enhancing Creativity for effective decision making, Creative Problem Solving		CO4		
	33	4	ORGANISATIONAL DEVELOPMENT AND WORK STRESS		CO4		
	34	4	Need for Organizational Development		CO4		
	35	4	OD Techniques <b>(Case study on Organizational change and development)</b>	CS	CO4		
10	36	4	Stress, Types of Stress, Causes of Job Stress		CO4		
	37	4	Consequences of Job Stress		CO4		
	38	4	Ways for coping up with Job Stress		CO4		
11	39	4	Ways for coping up with Job Stress		CO4		
	40	4	revision	CAT & Assignment	CO4		

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	CLASS PARTICIPATION	Other (2) Specify	Total
--	-------------	----------	-----------------------------	------------------------	-----------------------------	---------------------	-------------------	-------

						5		5
--	--	--	--	--	--	---	--	---

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Assignment	1	3	4
2	Assignment	2	5	6
3	Assignment	3	9	10
4	Assignment	4	10	11

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (√)			Module No.	Based on #			Question Type (√)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	√			1		√		√	
2	5	√			2		√		√	
3	9	√			3		√			√
4	10	√			4		√		√	

\* Tick (√) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8.

## Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
-------	------------	------------	--------	---------------------------	--------

1 <sup>st</sup> IA Test				Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks	No IA Re-test
2 <sup>nd</sup> IA Test				Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	IA is a Head of passing *
Pop Quiz					
Open Book Test					
Take Home Test					
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

## 9.a

### Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					



**9.b****Practical Activities – Newly Added Experiments**

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					

**9.c****Practical Activities – PBL Experiments**

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	1	Video on Big Five model	Big Five Model	CO1	
2	1	Video on Johari window	Johari Window	CO1	
3	1	Video on thinking hats	Thinking Hats	CO1	
4	4	Video on Kurt Lewins Model	Kurt Lewins Model	CO4	
5	2	Case study on Organizational conflicts	Organizational Conflicts	CO2	
6	2	Case study on Group Dynamics	Group Dynamics	CO2	
7	3	Case study on organizational culture	Organizational Culture	CO3	
8	4	Case study on Organizational change and development	Organizational change and development	CO4	

**10. Beyond Syllabus Activities for Gap Mitigation**

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	YES
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	YES
4		Mini Projects	YES
5		Pop Quiz	Yes

6		Mobile App Based Quiz	YES (Kahoot)
7		Open Book Test	YES
8		Take Home Test	YES
9		Poster Presentation	YES
10		Minute Papers	Yes
11	Collaborative and Group Activity	Students Seminar	Yes
12		Students Debates	YES
13		Panel Discussion / Mock GD	Yes
14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	As and when desired
16		Value Added Courses	YES s
17		Lecture Capture Usage	
18		Class Activity	YES

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Summary for teaching pedagogy:


1. Practical on Theory Development using Software and Literature
2. Cognitive thinking on Pictures/Videos
3. Case study
4. Mentimeter
5. Kahoot
6. Guest Lecture
7. Assignment/Presentation/Mini Projects
8. IEF
9. Group Discussion
10. CAT
11. MOOC

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)



External Academic Mentor (Sign.)

VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyasagar  
Educational Campus, Vidyasagar (E)  
Mumbai - 400 027



**Version 2020-2021**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Students should know the basics of statistics, application and scope of statistics
Affective	What do you want students to think / care about?	Students should think/take care of merits, demerits and various formulae of various Statistical Tools
Behavioural	What do you want students to be able to do?	Students should be able to use Statistical Concepts in various fields like Research Methodology, Finance etc.

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Students should understand scope, functions, limitations of Statistics	Unit 1
CO2	Students should understand the concept of Measures of Dispersion, Co-Relation and Linear Regression	Unit 2
CO3	Students should understand the concept of Time Series & Index Number	Unit 3
CO4	Students should understand the concept of Probability and Decision Theory	Unit 4

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’: not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	M	M									
CO 2	S	M	M									
CO 3	S	M	M									
CO 4	S	M	M									

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				

### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category	✓						

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
UBMS103	Business Statistics	75			3			3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
UBMS103	Business Statistics	20	05	25	75				100

### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
A, B, C & F	40	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Saturday	04:00 p.m. – 05:00 pm	MS Teams/Library

### 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction to Statistics	10	25
2	Measures of Dispersion, Co-Relation and Linear Regression	10	25

3	Time Series & Index Number	10	25
4	Probability and Decision Theory	10	25
* Insert rows for more modules in the Course		<b>Total</b>	<b>40</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	XI & XII	Commerce (Measure of Central Tendency), Probability	ALL

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	I & II	MMS/MBA (Business Statistics & Research Methodology)
2	Sem III	BRM (BMS)

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Students should apply the concepts in Research Methodology
2	Students should apply the concept in Risk Management in Finance

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - Oct 2021	Oct 2020	Oct 2019	Oct 2018
Course Passing % – Average of 3 Divisions	100 %	100 %	94 %	90 %
Marks Obtained by Course Topper ( mark/100)	100	98	93	90

	Division A		Division B		Division C		Division F	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Oct 2020	PSK	100 %	PSK	100 %	PSK	100 %	PSK	100 %
Oct 2019	SP	91 %	SP	92%	SP	90%	SP	100 %
Oct 2018	SP	89 %	SP	87%	SP	86%	SP	100 %

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Probability	4	Suggesting Students to refer to basics of Probability from XI & XII Book

## 4 All the Learning Resources – Books and E-Resources

**4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students**

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Statistical Methods	Gupta, S.P., and Archana Gupta	Sultan Chand and Sons	3	1-5
2	Fundamentals of Statistics	Gupta	S.C Himalaya Publishing House.	3	1-5

**4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students**

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Statistics for Management	Levin, Richard and David S. Rubin	Prentice Hall of India	4	1-5
2	Practical Business Statistics	Siegel	Andrew F International Edition	4	1-5

**4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students**

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Basic Business Statistics	Srinivas R Rao		3	1-5
2	Introductory Business Statistics	Thomas K Tiemann	The Global Text Project	4	1-5
3	A Guide to Business Statistics	David M McEvoy	Wiley	3	1-5
4					

**4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]**

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Journal of Business and Economic Statistic (Taylor & Francis)	Journal on Government Statistics	All
2	International Journal of Business Statistics & Finance (Serial Publication)	Data Science Magazine	All

**4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details**

Module No.	Category ( Please Tick Mark ) - √						Available In VSIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga-zine	Journals		Y	N	
	Text	Reference	E-Book		Regular	E-Journal			

1	✓	✓	✓	✓	✓	✓			
2	✓	✓	✓	✓	✓	✓			
3	✓	✓	✓	✓	✓	✓			
4	✓	✓	✓	✓	✓	✓			

#### 4.f Web Links for Online Notes/YouTube/VSIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="http://www.youtube.com">www.youtube.com</a>	1-4
2	<a href="http://www.edx.com">www.edx.com</a>	1-4
3	<a href="http://www.ddegjust.ac.in">www.ddegjust.ac.in</a>	1-4

#### 4.g Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	Business Statistics & Analysis Application	Coursera		Y
2	Statistics for Business I	Edx		Y

#### 4.h Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1	Perfect your Mathematical skills	<a href="http://WWW.udemy.com">WWW.udemy.com</a>	28 hrs	N

#### 4.i Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	✓	

#### 5. Consolidated Course Lesson Plan

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	10/07/2021	05/11/2021	15

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	Cos	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Introduction to Syllabus and its application in day to day life, Concept of Statistics & Scope & Functions of Statistics in Management		1		
	2	1	<b>Data:</b> Relevance of Data (Current Scenario) & Type of data (Primary & Secondary), Primary (Census vs Samples, Method of Collection (In Brief), Secondary (Merits, Limitations, Sources)		1		
	3	1	<b>Presentation of Data:</b> Classification– Frequency Distribution		1		
2	4	1	Discrete & Continuous Distribution		1		
	5	1	Graph (Frequency, Bar Diagram, Pie Chart, Histogram, Ogives)		1		
	6	1	Mean (A.M, Weighted, Combined)		1		
3	7	1	Median (A.M, Weighted, Combined)		1		
	8	1	Mode (Calculation and Graphical using Histogram)		1		
	9	1	Comparative analysis of all measures of Central Tendency		1		
4	10	1	Revision of Unit 1		1		
	11	2	Range with C.R(Co-Efficient of Range)		2		
	12	2	Concept of Quartiles		2		
5	13	2	Quartile deviation with CQ (Co-Efficient of Quartile)		2		
	14	2	Mean Deviation from mean with CMD (Co-Efficient of Mean Deviation)		2		
	15	2	Concept of Standard deviation, Standard deviation with CV (Co-Efficient of Variance)		2		



6	16	2	Skewness & Kurtosis		2		
	17	2	Introduction to Co-Relation, Karl Pearson (Rank Co-Relation)		2		
	18	2	Introduction to Linear Regression		2		
7	19	2	Least Square Method Mean (A.M, Weighted, Combined)		2		
	20	2	Revision of Unit 2		2		
	21	3	Introduction to Time Series		3		
8	22	3	Least Square Method		3		
	23	3	Moving Average Method		3		
	24	3	Introduction to Index Number		3		
9	25	3	Simple(unweighted) Aggregate Method & Weighted Aggregate Method		3		
	26	3	Simple Average of Price Relatives		3		
	27	3	Weighted Average of Price Relatives		3		
10	28	3	Chain Base Index Numbers, Splicing and Deflating		3		
	29	3	Cost of Living Index Number		3		
	30	3	Revision of Unit 3		3		
11	31	4	Concept of Sample space, Concept of Event, Definition of Probability, Addition & Multiplication laws of Probability		4		
	32	4	Conditional Probability		4		
	33	4	Bayes' Theorem		4		

12	34	4	Expectation & Variance, Concept of Probability Distribution		4		
	35	4	Decision Theory: Acts, State of Nature Events, Pay offs		4		
	36	4	Opportunity loss, Decision Making under Certainty, Decision Making under Uncertainty		4		
13	37	4	Non-Probability: Maximax, Maximin, Minimax		4		
	38	4	Regret, Laplace & Hurwicz		4		
	39	4	Decision Making under risk: EMV, EOL, EVPI & Decision Tree		4		
14	40	4	Revision of Unit IV		4		

#### 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) specify	Total
5								5

#### 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Assignment on "Introduction to Statistics"	1		
2	Assignment on "Measure of Tendency, Co-relation and Linear Regression"	2		
3	Assignment on "Time Series & Index Number"	3		
4	Assignment on "Probability & Decision Tree"	4		

#### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (√)			Module No.	Based on #			Question Type (√)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1		√	√		1	√	√		√	
2		√	√		2	√	√		√	
3		√	√		3	√	√		√	
4		√	√		4	√	√		√	

\* Tick (√) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – *from Points 4.a to 4.d*

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test _____	2 <sup>nd</sup> Week of Aug			Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test  IA is a Head of passing *
2 <sup>nd</sup> IA Test					
Pop Quiz					
Open Book Test					
Take Home Test					
Class tests / prelims					

\* IA failures will have to appear for re-test in next semester

## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					
3					

**9.b Practical Activities – Newly Added Experiments**

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					
2					

**9.c Practical Activities – PBL Experiments**

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	2	Measure of Central Tendency	Application of Mean, Median & Mode	2	
2	4	Correlation & Regression	Types of Correlation	4	

**10. Beyond Syllabus Activities for Gap Mitigation**

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	
3	Test and Assessments	Class Tests – (other than IA)	Class Test on Correlation
4		Mini Projects	
5		Pop Quiz	Related to Formula or Properties of Measure of Central Tendency
6		Mobile App Based Quiz	
7		Open Book Test	Probability: Decision Making
8		Take Home Test	Topic: Regression
9	Collaborative and Group Activity	Poster Presentation	
10		Minute Papers	Topic: Formula Book
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	
14		Mock Interview	
15	Co-curricular	MOOC-NPTEL/Coursera Videos	Perfect your Mathematical skills – Udemey
16		Value Added Courses	Business Statistics & Analysis Application – Coursera

17	Courses	Lecture Capture Usage	As per discussion with Faculty, who have taught in previous years
----	---------	-----------------------	---

**Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

Amit Kabra

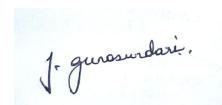
Swapna Kadam

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)

---

\*

  
 Dr. Kelke  
 Principal  
 VIDYALANKAR SCHOOL OF  
 INFORMATION TECHNOLOGY  
 Vidyalankar Marg, Vileparle  
 Educational Campus, Mumbai (E)  
 Mumbai - 400 047
 

**Version 2020-2021**
**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Students will learn how markets and other governance structures organize core economic activities, such as production, distribution, and consumption, and the growth of productive resources.
Affective	What do you want students to think / care about?	Students will be able to integrate theoretical knowledge with quantitative and qualitative evidence to explain past economic events and to formulate predictions on future ones.
Behavioural	What do you want students to be able to do?	Students will analyse business problems using tools from both economics and business

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	Introduction	Unit 1
CO2	Demand Analysis	Unit 2
CO3	Supply and Production Decision and Cost of Production	Unit 3
CO4	Market structure: Perfect competition and Monopoly and Pricing and Output Decisions under Imperfect Competition	Unit 4
CO5	Pricing Strategies	Unit 5

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	S	M	S								
CO 2	S	M	S	S								
CO 3	S	S	S	M								
CO 4	S	S	M	S								

CO 5	S											
------	---	--	--	--	--	--	--	--	--	--	--	--

#### 1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash '-':not mapped)

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	S	S	M	S
CO 2	S	M	S	S
CO 3	S	S	S	M
CO 4	S	S	M	S
CO 5	S	S	M	S

#### 1.e Teaching and Examination Scheme (As specified by the University) for the Course

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category						✓	

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
VSIT 403	Business Economics I	75	--	--	3	-	-	3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	SUM of IA1 and IA2					
VSIT 403	Business Economics I	20	5	25	75	-	-	-	100

#### 1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	-	NA	NA	NA	NA	NA	NA	NA	NA
<b>B</b>	3.0	NA	NA	NA	NA	NA	NA	NA	NA
<b>C</b>	3.0	NA	NA	NA	NA	NA	NA	NA	NA
<b>F</b>	-	NA	NA	NA	NA	NA	NA	NA	NA

#### 1.g Office Hours (Faculty will be available in office in this duration for solving students' query)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
----------	-----	----------------------------------	-------------------------

A	Monday	11.30 am to 12.30 pm	Staff Room
---	--------	----------------------	------------

## 2.a Syllabus : Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction	11.33	16.66%
2	Demand Analysis	11.33	16.66%
3	Supply and Production Decisions and Cost of Production	60*50 MIN/60=12.5	25%
4	Market structure: Perfect competition and Monopoly and Pricing and Output Decisions under Imperfect Competition	60*50 MIN/60=12.5	25%
5	Pricing Practices	11.33	16.66%
* Insert rows for more modules in the Course		<b>Total</b>	<b>60</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	12 <sup>th</sup>	Economics	

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	III	BMS
2	I	MMS
3	I	M.Com

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
1	Most people have a limited amount of time and money. They cannot buy or do everything they want, so they make calculated decisions on how to use limited resources to maximize personal satisfaction.
2	How individuals and businesses make decisions.

## 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Oct 2020	Oct 2019	Oct 2018	Oct 2017
Course Passing % – Average of 3 Divisions	100%	94.55	66.66	86.76



Marks Obtained by Course Topper ( mark/100)	85+	79	85	
---	-----	----	----	--

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Oct 2019	SBG	100	ABR	89.09	ABR	96.36
Oct 2018	SBG	80.32	ABR	78.33	VF	61.66

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Pricing Practices	4	Assignments and class test
Market Structure	IV	Ask students to practice the diagrams with logic

#### 4 All the Learning Resources – Books and E-Resources

##### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Managerial Economics – Analysis, Problem and Cases	Mehta, P.L.	(S. Chand & Sons, N. Delhi,		All
2	Principles of Microeconomics	H.L Ahuja	S. Chand & Sons, N. Delhi		All
3	Managerial Economics	Hirchey .M.,	Thomson South western		All
4	Managerial Economics in a global economy	Salvatore, D.	Thomson South Western Singapore		All

##### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Principles of Economics	Gregory Mankiw	Thomson South western		All
2	Principles of Economics	Frank Robert.H, Bernanke. Ben S.,	(Tata McGraw Hill	Ed. 3	All
3	Economics	Samuelson & Nordhas	(Tata McGraw Hill		All
4	Managerial Economics cases and concepts	Pal Sumitra	Macmillan		All

##### 4.c List of E - Books (E – Symbol for E-Books) to be Referred by Students

Course Academic Administration Plan – VSIT403 Micro economics – Semester I- BMS (Management)

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Microeconomics Theory And Applications	Ghai and Gupta	Sarup and Sons		All
2	Behavioural Interaction, Market and Economics Dynamics	Shinsute Ileda & all	Springer Nature		4
3	Microeconomics	David A. Dilts			1 & 4
4	Microeconomics	Peter Dorman	Springer Nature		All
5	Principles of Microeconomics	Martin Kolmar	Springer Nature	1st ed. 2017	

#### 4.d Web Links and Names of Magazines, Journals, E-journals – [VIT is member of IIT Bombay Library]

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	American Economic Journal: Microeconomics - Issues <a href="https://www.aeaweb.org/journals/mic/issues">https://www.aeaweb.org/journals/mic/issues</a>	<a href="https://www.economist.com/blogs/freeexchange/2012/10/microeconomics">https://www.economist.com/blogs/freeexchange/2012/10/microeconomics</a>	
2	Studies in Microeconomics <a href="http://journals.sagepub.com/home/mic">http://journals.sagepub.com/home/mic</a>	Business Week	

#### 4.e Module Best Available in - Tick the best resource [from 4.a to 4.d in this AAP] & give details

Module No.	Category ( Please Tick Mark ) - √						Available In VIT Library?		Details of the Resource (i.e. Name, Chapter & Page No., etc.)
	Book			Maga- zine	Journals		Y	N	
	Text	Reference	E- Book		Regular	E- Journal			
1	✓	✓					Y		Principles of Economics, Gregory Mankiw
2	✓	✓					Y		Principles of Economics, H. L Ahuja
3	✓	✓					Y		Principles of Economics, Gregory Mankiw
4	✓	✓					Y		Principles of Economics, H. L Ahuja

#### 4.f Web Links for Online Notes/YouTube/VIT Digital Content/VIT Lecture Capture/NPTEL Videos

Students can view lectures by VIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.

No.	Websites / Links	Module Nos.
1	<a href="https://www.youtube.com/watch?v=mgJgzdsVR8Q">https://www.youtube.com/watch?v=mgJgzdsVR8Q</a>	1
2	<a href="https://www.youtube.com/watch?v=tOlla3puTWA">https://www.youtube.com/watch?v=tOlla3puTWA</a>	2
3	<a href="https://www.youtube.com/watch?v=77IW_LAlqKU">https://www.youtube.com/watch?v=77IW_LAlqKU</a>	3

4	<a href="https://www.youtube.com/watch?v=cuPnPJCWJwU">https://www.youtube.com/watch?v=cuPnPJCWJwU</a>	4
---	---	---

#### 4.g

#### Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	AN INTRODUCTION TO MICROECONOMICS	Vimal Kumar Indian Institute of Technology – Kanpur	30 hours	Yes

#### 4.h

#### Recommended Value Added Courses (VAC)

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1				

#### 4.i

#### Study Material Distributed among Students

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
<input type="checkbox"/> √	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> √	<input type="checkbox"/> √	

### 5.

#### Consolidated Course Lesson Plan

	From (date/month/year)	From (date/month/year)	Total Number of Weeks
Semester Duration	04/11/2017	March, 2018	20

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos. / Books/ Web Site
1	1	1	Introduction to Syllabus		1		
	2	1	Introduction to Micro Economics		1		
	3	1	Scope of Business Economics		1		

	4	1	Importance Business Economics		1		
2	5	1	Basic Tools – Opportunity Cost Principle		1		
	6	1	Incremental and Marginal Concept		1		
	7	1	Basic Economics Relation – Functional Relations – TC AC MC		1		
	8	1	Use of Marginal Analysis in Decision Making		1		
3	9	1	Shift in Demand and Supply Curve		1		
	10	1	Nature of Demand Curve in Different Market (Perfect, Monopolistic)		1		
	11	2	Nature of Demand Curve in Different Market (Monopoly, Oligopoly)		2		
	12	2	Problem: Monopoly and Perfect		2		
4	13	2	Meaning and Significance of Elasticity of Demand		2		
	14	2	Types and Measurement of Elasticity of Demand, Relationship between elasticity and revenue concept		2		
	15	2	Demand Forecasting – Meaning and Types		2		
	16	2	Significance and Process of Demand Forecasting		2		
5	17	2	Methods of Demand Forecasting		2		
	18	2	Problem: Demand Forecasting		2		
	19	2	Production function		2		

	20	2	short run analysis with Law of Variable Proportions		2		
6	21	3	Production function with two variable inputs		3		
	22	3	isoquants, ridge lines and least cost combination of inputs		3		
	23	3	Long run production function and Laws of Returns to Scale		3		
	24	3	expansion path		3		
7	25	3	Economies and diseconomies of Scale		3		
	26	3	Accounting cost and economic cost, implicit and explicit cost, fixed and variable cost		3		
	27	3	total, average and marginal cost		3		
	28	3	Cost Output Relationship in the Short Run and Long Run		3		
8	29	3	hypothetical numerical problems		3		
	30	3	LAC and Learning curve		3		
	31	3	Break even analysis		3		
	32	3	Short run and long run equilibrium of a competitive firm and of industry		3		
9	33	3	monopoly		3		

	34	3	short run and long		3		
	35	3	run equilibrium of a firm under Monopoly		3		
	36	4	Monopolistic competition		4		
10	37	4	Equilibrium of a firm under monopolistic competition		4		
	38	4	debate over role of advertising		4		
	39	4	Oligopolistic markets		4		
	40	4	key attributes of oligopoly		4		
11	41	4	Collusive and non-collusive oligopoly market		4		
	42	4	Price rigidity		4		
	43	4	Cartels and price leadership models		4		
	44	4	Cartels and price leadership models		4		
12	45	4	practical examples		4		
	46	4	Cost oriented pricing method		4		
	47	4	cost – plus (full cost) pricing		4		
	48	4	marginal cost pricing, Mark up pricing		4		
13	49	4	discriminating pricing		4		

	50	4	multiple – product pricing, transfer pricing		4		
--	----	---	--	--	---	--	--

## 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	CLASS PARTICIPATION	Other (2) Specify	Total
						5		5

## 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Unit 1	1	17/07/2020	31/07/2020
2	Unit 2	2	31/07/2020	11/08/2020
3	Unit 3	3	10/08/2020	31/08/2020
4	Unit 4	All	30/08/2020	10/09/2020
5	Unit 5	All	15/09/2020	29/09/2020

## Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (√)			Module No.	Based on #			Question Type (√)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	4	√		√			√		√	
2	8	√					√		√	
3	12	√					√		√	
4	16	√	√				√		√	

\* Tick (√) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – *from Points 4.a to 4.d*

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test		1 & 2	1 & 2	Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test  IA is a Head of passing *
Pop Quiz		4	4		
Open Book Test		1	1		
Take Home Test		All	All		
Class tests / prelims					
Class tests / prelims					
Any other test/exams					

\* IA failures will have to appear for re-test in next semester

## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	1	Case study on Oligopoly	Oligopoly		
2	2	Practical Sums	Law of demand		
3	3	Practical Sums	Costs		
4					
5					
6					
7					
8					



9					
10					

### 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1	3	Cost Analysis			
2					

### 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
1	2	Case study OPEC		4	
2					

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1	Interaction with Outside World	Guest Lecture / Workshops	
2		Industrial Visit	Yes
3	Test and Assessments	Class Tests – (other than IA)	OBT
4		Mini Projects	Launching a product in Rural Market
5		Pop Quiz	Based on overall syllabus
6		Mobile App Based Quiz	
7		Open Book Test	Yes
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	
11		Students Seminar	
12		Students Debates	
13		Panel Discussion / Mock GD	

14		Mock Interview	
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	
16		Value Added Courses	
17		Lecture Capture Usage	Yes

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

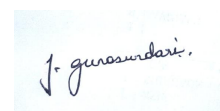
Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)



VSIT Cluster Mentor Name (Sign.)

Head of Dept. (Sign.)



Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Wazirpur  
Educational Campus, Wazirpur (E)  
Mumbai - 400 027

**Consolidated Academic Administration Plan for the Course**  
**VSIT Introduction to Financial Accounts– Sem. I –**  
**BMS.– 2019-2020 – Odd Semester**  
**Asst. Prof. Hetvi Dedhia**

**Version 2017-2018**

**The academic resources available in VSIT –**

VMIS (ERP)	V-Refer and V-Live	VSIT Library	VAC & MOOC Courses
Institute & Department Vision and Mission	Former IA question papers and solutions (prepared by faculty)	Former IA question papers solutions - hardcopy	Value Added Courses (VAC) are conducted throughout the semester & in the semester break - Enrol for the VACs
Program Educational Objectives (PEO)	MU end semester examination question papers and solutions (prepared by faculty)	MU end semester exam question paper & solutions - by faculty, hardcopy	Online courses from NPTEL, Coursera etc. are pursued throughout the semester - Register for the course & get certified
Program Specific Outcome (PSO)	Class notes and Digital Content for the subject (scanned / typed by faculty)	All text books, reference books, e -books mentioned in the syllabus & AAP	Watch former lectures captured in LMS at VSIT
Program Outcome (PO)	Comprehensive question bank, EQ, GQ, PPT, Class Test papers	Technical journals and magazines for reference	
Departmental Knowledge Map	Academic Administration Plan & Beyond Syllabus Activity report	VSIT library is member of IIT Bombay Library	

**1.a Course Objectives (write in detail – follow NBA guideline in this regard)**

Cognitive	What do you want students to know?	Preparing financial statements in accordance with appropriate standards
Affective	What do you want students to think / care about?	To understand technicalities of financial accounting especially how journals and financial statements are prepared
Behavioural	What do you want students to be able to do?	They will demonstrate their knowledge of the fundamental and technical concepts of accounting

**1.b Course Outcome (CO) Statements and Module-Wise Mapping (follow NBA guideline)**

CO No.	Statements	Related Module/s
CO1	To understand Meaning, principles and Scope of Accounting, Accounting standards, IFRS and accounting in computerised environment	Unit 1
CO2	To study accounting cycle, classification of expenditure and receipts	Unit 2
CO3	Depreciation accounting and preparation of trial balance	Unit 3
CO4	Preparation and presentation of Final Accounts in horizontal format	Unit 4

s

**1.c Mapping of COs with POs (mark S: Strong, M: Moderate, W: Weak, Dash '-': not mapped)**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	S	M	S									
CO 2	S	M	S									
CO 3	S	M	S									
CO 4	S	M	S									

CO 5												
------	--	--	--	--	--	--	--	--	--	--	--	--

**1.d Mapping of COs with PSOs (mark S: Strong, M: Moderate, W: Weak, Dash ‘-’:not mapped)**

	PSO 1	PSO 2	PSO 3	PSO 4
CO 1				
CO 2				
CO 3				
CO 4				
CO 5				

**1.e Teaching and Examination Scheme (As specified by the University) for the Course**

Categories	Mathematics	Computing / IT / Electronics	Humanities & Soft Skill	Social Sciences	Commerce	Management	Multidisciplinary
Tick suitable category						✓	

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/Practical	Tutorial	Total
UBMSFSI.10	Introduction to Financial Accounting	75			3			3

Subject Code	Subject Name	Examination Scheme							
		Theory Marks IA Test			End Sem. Exam Marks	TW	Practical	Oral	Total
		IA 1	IA 2	Sum of IA1 and IA2					
UBMSFSI.10	Introduction to Financial Accounting	20	05	25	75				100

**1.f Faculty-Wise Distribution of all Lecture-Practical-Tutorial Hours for the Course**

Divisions	Lecture (Hrs.)	Practical (Hrs.)				Tutorial (Hrs.)			
		Batch 1	Batch 2	Batch 3	Batch 4	Batch 1	Batch 2	Batch 3	Batch 4
<b>A</b>	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>B</b>	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>C</b>	3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

**1.g Office Hours (Faculty will be available in office in this duration for solving students' query)**

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Monday	3.00pm to 4.00 pm	Phone, What'sup
B	Monday/Tuesday	3.00pm to 4.00 pm	Phone, What'sup
C	Tuesday	3.00pm to 4.00 pm	Phone, What'sup

## 2.a Syllabus: Module Wise Teaching Hours and % Weightage in University Question Paper

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction	10	25
2	Accounting Transactions	10	25
3	Depreciation Accounting & Trial Balance	10	25
4	Final Accounts	10	25
* Insert rows for more modules in the Course		<b>Total</b>	<b>40hrs</b>
			<b>100</b>

## 2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	11 <sup>th</sup> (Commerce)	Book Keeping & Accountancy	All units
2	12 <sup>th</sup> (Commerce)	Book Keeping & Accountancy	All units

## 2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	SYBMS	Sem III- Accounting For Managerial Decisions
2	TYBMS	Sem V – Strategic Financial Management, Investment Analysis & Portfolio Management, Wealth Management Sem VI- Innovative Financial Services, Risk Management in Banking Sector
3	MBA/MMS	Accounting for Managers, Advanced financial Accounting and financial management
4	M.com	Advanced accountancy

## 2.d Real Life Application Mapping – Mention Application from Very Common Day to Day Life

No.	Real Life Application Mapping with the Course
-----	---

1	Management of day to day finances
2	Application of time value of money (Present value and future value)

### 3. Past Results – Division-Wise and Topic-Wise Result Based Analysis

Details	Target - 2021	Nov 2020	Nov 2019	Nov 2018
Course Passing %	100	99	90%	89.88
Marks Obtained by Course Topper ( mark/100)	95	90	95	93

	Division A		Division B		Division C	
Year	Initials of Teacher	% Result	Initials of Teacher	% Result	Initials of Teacher	% Result
Nov 2020	Pooja K	99				
Nov 2019	Pooja K	78.77				
Mar 2018	Chitra M	88.52				

Topics which affect results negatively	Module Number	Recommendations to overcome these issues & improve result in future
Depreciation	3	More class room practice, Assignments and homework sheets

### 4 All the Learning Resources – Books and E-Resources

#### 4.a List of Text Books (T – Symbol for Text Books) to be Referred by Students

Sr. No	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Introduction to Accountancy	T.S. Grewal,	S. Chand and Company (P) Ltd., New Delhi		All
2	Advanced Accountancy	R.L Gupta and M. Radhaswamy	S. Chand and Company (P) Ltd		All

#### 4.b List of Reference Books (R – Symbol for Reference Books) to be Referred by Students

Sr. No	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Financial Accounting	Tulsian	Pearson Publications		All
2	Financial Accounting	Williams	Tata Mc. Grow Hill		All
3	Financial Accounting	R K Agarwal	Tata Mc. Grow Hill		All

#### 4.c

Sr. No	E- Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Introduction to Financial Accounting <a href="https://lyryx.com/introduction-financial-accounting/">https://lyryx.com/introduction-financial-accounting/</a>	H. Dauderis and D. Annand	—	—	1,2,3
2	Financial Accounting <a href="http://www.ddegjust.ac.in/studymaterial/bba/bba-104.pdf">http://www.ddegjust.ac.in/studymaterial/bba/bba-104.pdf</a>	Dr. Chandra Shekhar	—	—	4

#### 4.d

Refer online journals subscribed in VIT library. You can also access IIT Bombay online library for journals from IITB campus.

Sr. No.	Web-Links and Names of Journals and E-Journals Recommended to Students for this Course	Web-Links and Names of Magazines Recommended to Students for this Course	Module Nos.
1	Journal of Accounting Research	<a href="https://onlinelibrary.wiley.com/journal/1475679x">https://onlinelibrary.wiley.com/journal/1475679x</a>	All
2	Journal of Accounting and Economics	<a href="https://www.journals.elsevier.com/journal-of-accounting-and-economics">https://www.journals.elsevier.com/journal-of-accounting-and-economics</a>	

#### 4.e

[illegible]

#### 4.f

~~Students can view lectures by VSIT professors, captured through LMS 'Lecture Capture' in VIT campus for previous years.~~

No.	Websites / Links	Module Nos.
1	Digital Content ( V refer)	1-4
2		

**4.g****Recommended MOOC Courses like Coursera / NPTEL / MIT-OCW / edX etc.**

Sr. No.	MOOC Course Link	Course conducted by – Person / University / Institute / Industry	Course Duration	Certificate (Y / N)
1	<a href="https://courses.corporatefinanceinstitute.com/bundles/free-finance-accounting-courses">https://courses.corporatefinanceinstitute.com/bundles/free-finance-accounting-courses</a>	CFI(Corporate Finance Institute)	—	Y
	<a href="https://alison.com/courses?query=Free%20course%20in%20accounting">https://alison.com/courses?query=Free%20course%20in%20accounting</a> Basic Accounting	Alison	Self-paced	

**4.h****Recommended Value Added Courses (VAC)**

Sr. No.	Name of the Value Added Course	Conducted by – Person / Institute / Industry	Course Duration	Certificate (Y / N)
1				

**4.i****Study Material Distributed among Students**

Tick if distributed among students					
GQ	Notes	Digital Content	PPT	EQ (updated till the Last Exam)	Other (Write Details)
✓	✓	✓	✓	✓	Practical problems worksheets

**5.****Consolidated Course Lesson Plan**

	From (date/month/year)	To (date/month/year)	Total Number of Weeks
Semester Duration	18/06/2018		

Week	Lecture no.	Module No.	Lecture Topics / IA 1 and IA 2 / BSA planned to be covered	Actual date of Completion	COs	Recommended Prior Viewing / Reading	
						Lecture No. (on LMS)	Chapter No. / Page Nos./ Books/ Web Site
1	1	1	Introduction to Syllabus		1		
1	2	1	Basics of Accounting, Need and development		1		



1	3	1	definition: Book keeping and accounting		1		
2	4	1	Persons interested in accounting		1		
2	5	1	Branches, Objectives of accounting		1		
2	6	1	Introductions to Concepts and conventions.		1		
3	7	1	Introduction to Accounting Standards		1		
3	8	1	International Financial Reporting Standards (IFRS) Accounting in Computerized Environment		1		
3	9	2	Accounting cycle, Meaning of Journal		2		
4	10	2	Journal Entries		2		
4	11	2	Journal Entries		2		
4	12	2	Ledger Entries		2		
5	13	2	Ledger (Trial Balance)		2		
5	14	2	Subsidiary books: Purchase, Purchase Returns,		2		
5	15	2	Sales, Sales Returns		2		
6	16	2	cash book – (Simple column), cash book – (Double column)		2		
6	17	2	cash book – Triple Column)		2		
6	18	2	Problems on Bank Reconciliation Statement.		2		
7	19	2	Problems on Bank Reconciliation Statement.		2		
7	20	2	Capital expenditure and capital Receipt, Deferred Revenue Expenditure, Revenue profit or		2		

			loss, capital profit or loss			
7	21	3	Meaning of Depreciation		3	
8	22	3	Methods of Depreciation		3	
8	23	3	Practical problems on SLM		3	
8	24	3	Practical Problems on WDV		3	
9	25	3	Practical problems on SLM		3	
9	26	3	Practical Problems on WDV		3	
9	27	3	Practical problems on SLM		3	
10	28	3	Practical Problems on WDV		3	
10	29	3	Introduction of Trial Balance		3	
10	30	3	Preparation of Trial Balance		3	
11	31	4	Rectification of errors		4	
11	32	4	Types of errors: Error of Omission & commission, Error of Principle		4	
11	33	4	Practical Problems on rectification		4	
12	34	4	Practical Problems on rectification		4	
12	35	4	Final Accounts from Trial Balance		4	
12	36	4	Final Accounts (Adjustments)		4	
13	37	4	Final Accounts Practical Problems		4	
13	38	4	Final Accounts Practical Problems		4	

13	39	4	Final Accounts Practical Problems		4		
14	40	4	Final Accounts with Manufacturing Accounts		4		

#### 6. Rubric for Grading and Marking of Term Work (inform students at the beginning of semester)

Lecture + Practical (% Attendance) & Marks	Assignments	Tutorial	Lab / Practical Performance	Lab Journal Assessment	Class Tests (Other than IA)	Class participation	Other (2) Specify	Total
						5		5

#### 7. Assignments / Tutorials Details (must attach print out of all questions together with AAP)

Assignment No.	Title of the Assignments / Tutorials	CO Map	Assignments given to Students on	Date of Submission
1	Accounting standards	CO1	3 <sup>rd</sup> Week	4 <sup>th</sup> Week
2	Journal & Ledgers	CO2	5 <sup>th</sup> Week	6 <sup>th</sup> Week
3	Depreciation	CO3	8 <sup>th</sup> Week	9 <sup>th</sup> Week
4	Final accounts	CO4	11 <sup>th</sup> Week	12 <sup>th</sup> Week

#### Analysis of Assignment / Tutorial Questions and Related Resources

Assignment No.	Week No.	Type* (✓)			Module No.	Based on #			Question Type (✓)	
		R	UQ	OBT		Text Book	Reference Book	Other Learning Resource	MU EQ	Thought Provoking
1	3	✓			1		✓	E Book	✓	
2	5	✓			2		✓		✓	
3	8	✓			3		✓		✓	

4	11			✓	4		✓	E Book	✓	
---	----	--	--	---	---	--	---	--------	---	--

\* Tick (✓) the Type of the Assignment: Regular (R); Unannounced Quiz (UQ) ; Open Book Test for TY/SY/MASTERS (OBT)

# Write number for Text book, reference book, other learning resource from this AAP – from Points 4.a to 4.d

## 8. Internal Assessment / Other Class Test / Open Book Test (OBT)/Take Home Test (THT) Details

Tests	Test Dates	Module No.	CO Map	IA Question Paper Pattern	Policy
1 <sup>st</sup> IA Test	7 or 8 <sup>th</sup> Week	1 & 2	1 & 2	Q1 – MCQ - 10 Marks Q2 – 1 numerical 5 Marks Q3 – 1 numerical 5 Marks 20 marks each for IA 1 & 2	No IA Re-test  IA is a Head of passing *
2 <sup>nd</sup> IA Test					
Pop Quiz	<del>3<sup>rd</sup> week</del>	1			
Open Book Test	5 <sup>th</sup> Week	2			
Take Home Test	9 <sup>th</sup> Week	3			

\* IA failures will have to appear for re-test in next semester

## 9.a Practical Activities – Regular Experiments

Practical No.	Module No.	Title of the <b>Regular Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1					

## 9.b Practical Activities – Newly Added Experiments

Practical No.	Module No.	Title of the <b>Newly Added Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
					(0 to 4)
1		NA			
2					

## 9.c Practical Activities – PBL Experiments

Practical No.	Module No.	Title of the <b>PBL Experiments</b>	Concepts to be highlighted	CO Map	Audit / Quality (0 to 4)
---------------	------------	-------------------------------------	----------------------------	--------	--------------------------

Course Academic Administration Plan – Introduction to Financial Accounts– Semester I- B.M.S.

Page | 10

1		Financial statement of a Company Identification of Revenue and capital transactions	Differentiation between capital and Revenue trns.	1	
---	--	--	---	---	--

### 10. Beyond Syllabus Activities for Gap Mitigation

No.	Type of the Activity	Activities	Details – no of attendees, guest, feedback, mark sheet, report
1		Guest Lecture / Workshops	----
2		Industrial Visit	-----
3	Test and Assessments	Class Tests – (other than IA)	Surprise test
4		Mini Projects	NA
5		Pop Quiz	Unit 1
6		Mobile App Based Quiz	No
7		Open Book Test	Yes
8		Take Home Test	Yes (5 question from each unit)
9		Poster Presentation	NA
10	Collaborative and Group Activity	Minute Papers	NA
11		Students Seminar	NA
12		Students Debates	NA
13		Panel Discussion / Mock GD	NA
14		Mock Interview	NA
15	Co-curricular Courses	MOOC-NPTEL/Coursera Videos	NA
16		Value Added Courses	NA
17		Lecture Capture Usage	NA

**\* Do not delete any activity. Give details for planned events. Write 'NA' for activity Not Planned.**

Consolidated Academic Administration Plan Prepared by (mention all theory teaching faculty names with signature)

J.gunasundari

Faculty 1 Name (Sign.)

Faculty 2 Name (Sign.)

Faculty 3 Name (Sign.)

External Industry Mentor (Sign.)

External Academic Mentor (Sign.)

VSIT Cluster Mentor Name (Sign.)

*J. gunasundari*

Head of Dept. (Sign.)

### AAP Compliance

**Batch 1**
**FYBMS**
**Chitra More**
**Sem 1 - Business Law**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	10:15 - 11:15	AAP, Agreement & Contract	Viva;	Powerpoint ;	71
21-09-2021	10:15 - 11:15	Essentials of Contract	Viva;	Powerpoint ;Video clips;	84
22-09-2021	11:30 - 12:30	Essentials of offer	Viva;	Powerpoint ;Video clips;	83
29-09-2021	10:15 - 11:15	Essentials of Consideration	Viva;	Powerpoint ;Video clips;	82
29-09-2021	11:30 - 12:30	Essentials of Capacity to contract	Viva;	Powerpoint ;Video clips;	71
04-10-2021	10:15 - 11:15	Essentials of free consent	Viva;	Powerpoint ;Video clips;	78
04-10-2021	11:30 - 12:30	Essentials of Capacity to contract	Viva;	Powerpoint ;Video clips;	60
05-10-2021	10:15 - 11:15	Essentials of fraud	Viva;	Powerpoint ;Video clips;	78
06-10-2021	11:30 - 12:30	Discharge of Contract	Viva;	Powerpoint ;	65
09-10-2021	11:30 - 12:30	Contract of Sale	Viva;	Powerpoint ;Video clips;	62
11-10-2021	10:15 - 11:15	Noting & Protest	Viva;	Powerpoint ;	77
12-10-2021	10:15 - 11:15	Rights of Unpaid seller	Viva;	Powerpoint ;Video clips;	80
13-10-2021	11:30 - 12:30	Caveat emptor	Viva;	Powerpoint ;Video clips;	71
16-10-2021	10:15 - 11:15	Formation of Contract of sale	Viva;	Powerpoint ;	56
18-10-2021	10:15 - 11:15	Auction sale	Viva;	Powerpoint ;Video clips;	76

18-10-2021	11:30 - 12:30	Types of conditions	Viva;	Powerpoint ;Video clips;	56
20-10-2021	11:30 - 12:30	Essentials of Negotiable Instrument Act	Viva;	Powerpoint ;Video clips;	50
25-10-2021	10:15 - 11:15	Essentials of Promissory Note	Viva;	Powerpoint ;	71
26-10-2021	10:15 - 11:15	Essentials of Bill of Exchange	Viva;	Powerpoint ;Video clips;	77
27-10-2021	11:30 - 12:30	Types of cheque	Viva;	Powerpoint ;Video clips;	65
28-10-2021	11:30 - 12:30	Holder in due course	Viva;	Powerpoint ;Video clips;	65
10-11-2021	11:30 - 12:30	consumer protection Act	Viva;	Powerpoint ;Video clips;	59
12-11-2021	09:00 - 10:00	Essentials of cheque	Viva;	Powerpoint ;Video clips;	43
15-11-2021	10:15 - 11:15	Consumer redressal agencies	Viva;	Powerpoint ;	72
16-11-2021	10:15 - 11:15	Features of company	Viva;	Video clips;Power point;	73
18-11-2021	11:30 - 12:30	Types of Companies	Viva;	Powerpoint ;	65
22-11-2021	10:15 - 11:15	Article of association	Viva;	Powerpoint ;Video clips;	54
23-11-2021	10:15 - 11:15	Content of Prospectus	Viva;	Powerpoint ;Video clips;	62
24-11-2021	11:30 - 12:30	share capital	Viva;	Powerpoint ;Video clips;	50
29-11-2021	10:15 - 11:15	Transfer & Transmission of shares	Viva;	Powerpoint ;Video clips;	63
30-11-2021	10:15 - 11:15	Types of meeting	Viva;	Powerpoint ;Video clips;	65
01-12-2021	10:15 - 11:15	Lifting of corporate veil	Viva;	Powerpoint ;	68
03-12-2021	09:00 - 10:00	Ultra vires	Poll;	Powerpoint ;	14

10-12-2021	13:00-14:30	Meaning of Intellectual Property Right	Viva;	Powerpoint ;	70
15-12-2021	15:00 - 16:00	Partent	Viva;	Powerpoint ;	60
22-12-2021	15:00 - 16:00	Trademark	Viva;	Powerpoint ;Video clips;	53
24-12-2021	13:00-14:30	Revision	Viva;	Powerpoint ;	50

**Batch 2 FYBMS**

**Chitra More**

**Sem 1 - Business Law**

Date of Lecture conducted2	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	11:30 - 12:30	AAP & Agreement & Contract	Viva;	Powerpoint ;	38
24-09-2021	09:00 - 10:00	Essentials of Contract	Viva;	Powerpoint ;Video clips;	40
25-09-2021	10:15 - 11:15	Essentials of offer	Viva;	Powerpoint ;Video clips;	40
01-10-2021	09:00 - 10:00	Essentials of Acceptance & Consideration	Viva;	Powerpoint ;Video clips;	58
08-10-2021	09:00 - 10:00	Fraud & Misrepresentation	Viva;	Powerpoint ;Video clips;	52
11-10-2021	11:30 - 12:30	65	Viva;	Powerpoint ;Video clips;	65
18-10-2021	11:30 - 12:30	Types of conditions	Viva;	Powerpoint ;Video clips;	56
21-10-2021	10:15 - 11:15	Types of Warranty	Viva;	Powerpoint ;Video clips;	64
22-10-2021	09:00 - 10:00	Caveat Emptor	Viva;	Powerpoint ;Video clips;	56
25-10-2021	11:30 - 12:30	Rights & Duties of Buyer	Viva;	Powerpoint ;	62
29-10-2021	09:00 - 10:00	Essentials of Negotiable Instrument Act	Viva;	Powerpoint ;Video clips;	44



13-11-2021	10:15 - 11:15	Holder in due course	Viva;	Powerpoint ;Video clips;	52
15-11-2021	11:30 - 12:30	Consumer protection council	Viva;	Powerpoint ;	60
20-11-2021	10:15 - 11:15	Consumer dispute redressal agencies	Viva;	Powerpoint ;Video clips;	56
23-11-2021	11:30 - 12:30	Features & types of company	Viva;	Powerpoint ;Video clips;	52
27-11-2021	10:15 - 11:15	Memorandum of Association	Viva;	Powerpoint ;Video clips;	36
29-11-2021	11:30 - 12:30	Article of association	Viva;	Powerpoint ;Video clips;	50
30-11-2021	11:30 - 12:30	Prospectus	Viva;	Powerpoint ;Video clips;	50
03-12-2021	11:30 - 12:30	Share Capital	Viva;	Powerpoint ;	51
07-12-2021	13:00- 14:30	Types of Meeting	Viva;	Powerpoint ;Video clips;	50
09-12-2021	15:00 - 16:00	Types of meeting	Viva;	Powerpoint ;	53
14-12-2021	13:00- 14:30	Patents	Viva;	Powerpoint ;	51
16-12-2021	15:00 - 16:00	Copyright	Viva;	Powerpoint ;Video clips;	43
21-12-2021	13:00- 14:30	Trademark	Viva;	Powerpoint ;Video clips;	53
23-12-2021	15:00 - 16:00	Revision lecture	Viva;	Powerpoint ;	36

### Batch 3

(F)

FYBMS

Harish Noula

Sem 1 - Business Law

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	11:30 - 12:30	Introduction to syllabus	Poll;	Powerpoint ;	15

23-09-2021	10:15 - 11:15	Contract & Agreement	Quiz;Poll;	Powerpoint ;Group Discussion;	15
24-09-2021	09:00 - 10:00	Offer acceptance	Poll;	Powerpoint ;	15
25-09-2021	11:30 - 12:30	Valid contract	Quiz;Poll;	Powerpoint ;Video clips;	15
27-09-2021	11:30 - 12:30	Free consent	Quiz;	Powerpoint ;	15
30-09-2021	10:15 - 11:15	Void voidable	Poll;	Group Discussion; Video clips;Power point;	15
01-10-2021	09:00 - 10:00	Sales of goods	Quiz;Poll;	Powerpoint ;Video clips;	15
04-10-2021	11:30 - 12:30	Delivery of goods	Quiz;Poll;	Powerpoint ;Simulation ;	15
07-10-2021	10:15 - 11:15	Condition and Warranty	Quiz;	Powerpoint ;Group Discussion;	14
08-10-2021	09:00 - 10:00	Unpaid seller	Poll;Quiz;	Video clips;Power point;	15
11-10-2021	11:30 - 12:30	Rights and duties of buyer seller	Quiz;Poll;	Powerpoint ;Simulation ;Video clips;	15
21-10-2021	10:15 - 11:15	Negotiable instruments	Quiz;Poll;	Powerpoint ;Simulation ;	16
28-10-2021	10:15 - 11:15	Distinguish between instruments	Poll;	Video clips;Power point;	16
29-10-2021	09:00 - 10:00	Dishoured of cheque	Poll;	Powerpoint ;Video clips;	15
14-10-2021	10:15 - 11:15	Characteristic of Instruments	Quiz;	Video clips;Power point;	16
11-11-2021	10:15 - 11:15	Definitions of consumer protection acts	Poll;	Powerpoint ;Video clips;	15

12-11-2021	09:00 - 10:00	Consumer protection council	Poll;	Powerpoint ;Video clips;	16
15-11-2021	11:30 - 12:30	Consumer redressal agencies	Quiz;Poll;	Video clips;Power point;Group Discussion;	16
18-11-2021	10:15 - 11:15	Member and judge qualifications of redressal agencies	Poll;Quiz;	Powerpoint ;Video clips;	16
22-11-2021	11:30 - 12:30	Feature of company	Quiz;Poll;	Powerpoint ;Simulation ;	16
25-11-2021	10:15 - 11:15	Types of company	Poll;Quiz;	Powerpoint ;Video clips;	15
29-11-2021	11:30 - 12:30	MOA	Poll;	Powerpoint ;Group Discussion;	14
30-11-2021	09:00 - 10:00	AOA	Poll;	Video clips;Power point;	13
02-12-2021	10:15 - 11:15	Alteration in moa and AOA	Poll;	Powerpoint ;	14

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**Batch 1**
**FYBMS**
**Reshma Suryavanshi**
**Sem 1: Foundation Course-I**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
23-09-2021	11:30 - 12:30	Introduction FC I	Discussion with students;	Powerpoint ;	84
28-09-2021	10:15 - 11:15	<a href="https://web.microsoftstream.com/video/4b7db74e-3f6d-49c1-bb8c-cd3a3f8f8166?list=studio">https://web.microsoftstream.com/video/4b7db74e-3f6d-49c1-bb8c-cd3a3f8f8166?list=studio</a>	Take Home Assignments;	Powerpoint ;	90
30-09-2021	11:30 - 12:30	Linguistic Diversity in India	;	Powerpoint ;Video clips;	82
01-10-2021	11:30 - 12:30	Religion diversity of India	Student Presentation;	Powerpoint ;Video clips;	73
07-10-2021	11:30 - 12:30	Religion diversity in India Student presentation	Student Presentation;	Powerpoint ;	76
08-10-2021	11:30 - 12:30	Religion Diversity in India	Student Presentation;	Powerpoint ;Video clips;	67
14-10-2021	11:30 - 12:30	Religion diversity in India		Powerpoint ;	75
21-10-2021	11:30 - 12:30	Demographic Diversity		Powerpoint ;	67
22-10-2021	11:30 - 12:30	Unit 2 : Social Stratification and Inequality		Powerpoint ;Video clips;	61
11-11-2021	11:30 - 12:30	FC I -Mini project Allocation and submission	FC I -Mini project Allocation and submission ;	Powerpoint ;	70
12-11-2021	11:30 - 12:30	DISABILITY – AS A FORM OF INEQUALITY		Powerpoint ;	73
17-11-2021	11:30 - 12:30	Visual & Auditory Disability		Powerpoint ;Video clips;	61
02-12-2021	11:30 - 12:30	Intergroup conflict		Powerpoint ;	72
13-12-2021	13:00-14:30	Indian constitution		Powerpoint ;Video clips;	61

09-12-2021	11:30 - 12:30	Indian constitution		Powerpoint ;Video clips;	78
------------	------------------	---------------------	--	--------------------------------	----

**Batch 2**

**FYBMS**

**Reshma Suryavanshi**

**Sem 1 - Foundation Course-I**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	10:15 - 11:15	Introduction FC I	Discussion with students;	Powerpoint ;Video clips;	43
21-09-2021	13:00- 14:30	VSIT -Library Induction	Library Orientation ;	Powerpoint ;Hand on training regarding NDLI membership ;	41
27-09-2021	10:15 - 11:15	FC I Unit 1 Characteristics of Indian Society	Student discussion ;	Powerpoint ;	56
27-09-2021	10:15 - 11:15	Unit1 FC - Overview of Indian Society Features of Indian Society	Take Home Assignments;	Powerpoint ;	56
28-09-2021	13:00- 14:30	Linguistic Diversity	;	Powerpoint ;Video clips;	55
04-10-2021	10:15 - 11:15	INDIAN RELEGION DIVERSITY	Student Presentation;	Powerpoint ;	66
05-10-2021	13:00- 14:30	INDIAN RELEGION DIVERSITY	Student Presentation;	Powerpoint ;	52
11-10-2021	10:15 - 11:15	Religions in India	;	Powerpoint ;Video clips;	67
18-10-2021	10:15 - 11:15	Demographic Diversity	;	Powerpoint ;	63
25-10-2021	10:15 - 11:15	Types of Social stratification	;	Powerpoint ;Video clips;	67

15-11-2021	10:15 - 11:15	FC I -Project Allocation and Submission	FC I - Project Allocation and Submission ;	Powerpoint ;	56
16-11-2021	13:00-14:30	VIIE orientation for BMS students	VIIE orientation for BMS students;	VIIE orientation for BMS students;	50
22-11-2021	10:15 - 11:15	Virtual and Auditory Disability	;	Powerpoint ;Video clips;	54
29-11-2021	10:15 - 11:15	Intergroup Conflict	;	Powerpoint ;Video clips;	52
30-11-2021	10:15 - 11:15	Intergroup Conflict	;	Powerpoint ;Video clips;	56
08-12-2021	09:00 - 10:00	Inter group conflict	;	Powerpoint ;Video clips;	67
10-12-2021	13:00-14:30	Indian Constitution	;	Powerpoint ;	56
15-12-2021	13:00-14:30	Indian Constitution - Fundamental rights and fundamental duties	;	Video clips;Power point;	61

### Batch 3

(F)

FYBMS

Lakshmi Pillai

Sem 1 - Foundation Course-I

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
22-09-2021	09:00 - 10:00	Culture	Viva;	Powerpoint ;	15
25-09-2021	13:00-14:30	Multiculturalism	Viva;	Powerpoint ;	12
29-09-2021	13:00-14:30	Linguistic diversity	Viva;	Powerpoint ;	14
06-10-2021	13:00-14:30	Linguistic diversity and Religious diversity	Viva;	Powerpoint ;	11
09-10-2021	13:00-14:30	Religious diversity	Viva;	Powerpoint ;	10

13-10-2021	13:00-14:30	Religious diversity	Viva;	Powerpoint ;	10
16-10-2021	13:00-14:30	Urban and Rural diversity	Viva;	Powerpoint ;	10
13-10-2021	13:00-14:30	Religious diversity	Viva;	Powerpoint ;	10
20-10-2021	13:00-14:30	Tribal Population	Viva;	Powerpoint ;	12
23-10-2021	09:00 - 10:00	Room 101 activity	Room 101;	Group Discussion; Powerpoint ;	14
27-10-2021	13:00-14:30	Violence against Women, Sex ratio	Viva;	Powerpoint ;	13
30-10-2021	13:00-14:30	Violence against Women	Viva;	Powerpoint ; Video clips;	13
10-11-2021	13:00-14:30	Conflict	Viva;	Powerpoint ;	10
13-12-2021	13:00-14:30	FC project guidelines; GD	Viva;	Powerpoint ; Group Discussion;	14
17-11-2021	13:00-14:30	Communalism, Regionalism	Viva;	Powerpoint ;	14
20-11-2021	13:00-14:30	Portrayal of Women in Media	Viva;	Powerpoint ; Video clips;	11
24-11-2021	13:00-14:30	Women in the gaming industry; disabilities	Viva;	Powerpoint ;	11
01-12-2021	13:00-14:30	Disabilites; Constitution of India	Viva;	Powerpoint ;	10
13-12-2021	13:00-14:30	Constitution of India	Viva;	Powerpoint ;	14
13-12-2021	13:00-14:30	Political Parties; Activity: Women in Indian politics	PBL;	PBL;	12
16-12-2021	13:00-14:30	Local Self Government; Women in Indian politics	Viva;	Powerpoint ;	13
20-12-2021	13:00-14:30	Open Book Test	Open Book Test;	Open Book Test;	10
23-12-2021	13:00-14:30	Project viva	Viva;	Powerpoint ;	13

**Batch 3**
**(F)**
**FYBMS**
**Nisha Dang**
**Sem 1 - Foundation of Human**
**Skills**

Date of Lecture conducted	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	13:00-14:30	SYallabus , Introduction	NA;	Video clips;	15
21-09-2021	11:30 - 12:30	Introduction , meaning - human skills	NA;	Powerpoint ;Video clips;	15
23-09-2021	11:30 - 12:30	Personality , OCEAN Theory	Quiz;	Powerpoint ;Video clips;	16
27-09-2021	13:00-14:30	Determinants of Personality	NA;	Powerpoint ;Video clips;	14
28-09-2021	11:30 - 12:30	PErsonality	NA;	Powerpoint ;Video clips;	15
30-09-2021	11:30 - 12:30	Johari Window	Quiz;	Powerpoint ;Video clips;	13
04-10-2021	13:00-14:30	Johari window , emotions	NA;	Powerpoint ;Video clips;	14
05-10-2021	13:00-14:30	Operant Conditioning	NA;	Powerpoint ;Video clips;	14
07-10-2021	11:30 - 12:30	ClassicalConditioning	NA;	Powerpoint ;Video clips;	15
11-10-2021	13:00-14:30	Reading Emotions	Quiz;	Powerpoint ;Video clips;	13
12-10-2021	11:30 - 12:30	Perception	NA;	NA;	14
14-10-2021	11:30 - 12:30	Errors in Perception	NA;	Powerpoint ;Video clips;	15
18-10-2021	13:00-14:30	ROle Of manager	NA;	Powerpoint ;Video clips;	15
21-10-2021	11:30 - 12:30	Skills and Levels of managers	NA;	Powerpoint ;Video clips;	14



25-10-2021	13:00-14:30	intelligence and its types	NA;	Powerpoint ;Video clips;	14
26-10-2021	11:30 - 12:30	Team and types of Team	NA;	Powerpoint ;Video clips;	12
28-10-2021	11:30 - 12:30	Team and Group Development	NA;	Powerpoint ;Video clips;	15
11-11-2021	11:30 - 12:30	Group and group Norms	NA;	Powerpoint ;	9
15-11-2021	13:00-14:30	Power	NA;	Powerpoint ;Video clips;	13
16-11-2021	11:30 - 12:30	Political Behaviour and conflict	NA;	Powerpoint ;Video clips;	14
18-11-2021	13:00-14:30	Conflict management style and Outcomes	NA;	Powerpoint ;Video clips;	9
23-11-2021	11:30 - 12:30	Unit 3 -Culture and Types of culture	NA;	Powerpoint ;Video clips;	8
24-11-2021	11:30 - 12:30	Motivation and Need Theory	NA;	Powerpoint ;Video clips;	12

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.



**Batch 1 FYBMS**
**J Gunasundari**
**Sem 1 - Introduction to  
Financial Accounts**

Date of Lecture conducted2	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	09:00 - 10:00	Introduction	Interaction;	Powerpoint ;	75
21-09-2021	13:00- 14:30	Introduction	Slido;	Powerpoint ;	72
22-09-2021	10:15 - 11:15	Introduction	Quiz;	Powerpoint ;	49
23-09-2021	13:00- 14:30	Accounting terminology	Quiz;	Powerpoint ;	49
24-09-2021	10:15 - 11:15	Accounting concepts	Quiz;	Powerpoint ;	79
27-09-2021	09:00 - 10:00	Accounting conventions	Brain game;	Powerpoint ;	86
30-09-2021	13:00- 14:30	AS 6	Quiz;	Powerpoint ;	64
01-10-2021	10:15 - 11:15	Accounting transactions	Quiz;	Powerpoint ;	89
06-10-2021	09:00 - 10:00	Accounting rules	Quiz;	Powerpoint ;	71
06-10-2021	13:00- 14:30	Accounting rules	Quiz;	Powerpoint ;	44
05-10-2021	10:15 - 11:15	Classification of accounts	Poll;	Powerpoint ;	79
07-10-2021	13:00- 14:30	Journal entries	Poll;	Powerpoint ;	68
13-10-2021	10:15 - 11:15	Jouranl entries	Quiz;	Powerpoint ;	78
13-10-2021	13:00- 14:30	Journal entries	Quiz;	Powerpoint ;	56
14-10-2021	13:00- 14:30	Subsidiary Books	Poll;	Powerpoint ;	68
18-10-2021	09:00 - 10:00	Journal entries	Quiz;	Powerpoint ;	76
20-10-2021	10:15 - 11:15	Single column cash book	Quiz;	Powerpoint ;	67
21-10-2021	13:00- 14:30	Double column cash book	Quiz;	Powerpoint ;	64
22-10-2021	10:15 - 11:15	three column cash book	Poll;	Powerpoint ;	69

27-10-2021	09:00 - 10:00	Subsidiary Book	Quiz;	Powerpoint ;	74
28-10-2021	10:15 - 11:15	Subsidiary books	Quiz;	Powerpoint ;	73
29-10-2021	09:00 - 10:00	Subsidiary books	Quiz;	Powerpoint ;	74
11-10-2021	09:00 - 10:00	Classification of Accounts	Sum Solving ;	Word Document;	14
14-10-2021	09:00 - 10:00	Double Entry System and Golden Rules	Sum Solving ;	Word Document ;	14
08-11-2021	09:00 - 10:00	BRS	Quiz;	Powerpoint ;	75
08-11-2021	10:15 - 11:15	BRS	Quiz;	Powerpoint ;	73
09-11-2021	09:00 - 10:00	Ledger	Quiz;	Powerpoint ;	73
09-11-2021	10:15 - 11:15	Ledger	Quiz;	Powerpoint ;	73
10-11-2021	10:15 - 11:15	Depreciation	Quiz;	Powerpoint ;	64
11-11-2021	13:00- 14:30	Depreciation	Mind mapping;	Powerpoint ;	68
12-11-2021	10:15 - 11:15	Trial Balance	Poll;	Powerpoint ;	73
13-11-2021	11:30 - 12:30	Classification of expenditure and revenue	Poll;	Powerpoint ;	69
15-11-2021	09:00 - 10:00	Final accounts	Quiz;	Powerpoint ;	69
17-11-2021	15:00 - 16:00	Final accounts of a sole proprietor	Quiz;	Powerpoint ;	52
24-11-2021	10:15 - 11:15	Trial Balance	Quiz;	Powerpoint ;	54

**Batch 2      FYBMS                      J Gunasundari                      Sem 1 - Introduction to Financial Accounts**

Date of Lecture conducted2	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
21-09-2021	09:00 - 10:00	Introduction	Slido;	Powerpoint ;	59
22-09-2021	09:00 - 10:00	Introduction	Quiz;Annual report;	Powerpoint ;	72

23-09-2021	10:15 - 11:15	Accounting terminology	Quiz;	Powerpoint ;	56
24-09-2021	11:30 - 12:30	Accounting terminology	Quiz;	Powerpoint ;	48
27-09-2021	11:30 - 12:30	Accounting conventions	Brain game;	Powerpoint ;	52
28-09-2021	10:15 - 11:15	Accounting standard 1 and 6	Quiz;	Powerpoint ;	52
29-09-2021	09:00 - 10:00	AS 6	Quiz;	Powerpoint ;	52
30-09-2021	09:00 - 10:00	IFRS	Quiz;	Powerpoint ;	59
01-10-2021	11:30 - 12:30	Accounting transactions	Quiz;	Powerpoint ;	56
06-10-2021	10:15 - 11:15	Accounting rules	Quiz;	Powerpoint ;	59
07-10-2021	09:00 - 10:00	Journal entries	Poll;	Powerpoint ;	72
12-10-2021	10:15 - 11:15	Trade and Cash discount	Quiz;	Powerpoint ;	68
13-10-2021	09:00 - 10:00	Journal entries	Quiz;	Powerpoint ;	63
14-10-2021	10:15 - 11:15	Subsidiary Books	Poll;	Powerpoint ;	65
20-10-2021	09:00 - 10:00	Single column cash book	Poll;	Powerpoint ;	75
22-10-2021	11:30 - 12:30	double and three column cash book	Quiz;	Powerpoint ;	65
23-10-2021	10:15 - 11:15	Three column cash book	Quiz;	Powerpoint ;	64
27-10-2021	10:15 - 11:15	subsidiary book	Quiz;	Powerpoint ;	69
28-10-2021	10:15 - 11:15	Subsidiary books	Quiz;	Powerpoint ;	69
29-10-2021	13:00- 14:30	Subsidiary books	Quiz;	Powerpoint ;	63
08-11-2021	11:30 - 12:30	BRS	Quiz;	Powerpoint ;	57
09-11-2021	11:30 - 12:30	Ledger	Quiz;	Powerpoint ;	45
10-11-2021	09:00 - 10:00	Depreciation	Quiz;Poll;	Powerpoint ;	43
12-11-2021	11:30 - 12:30	Trial balance	Poll;	Powerpoint ;	57

17-11-2021	09:00 - 10:00	Final accounts of sole proprietor	Quiz;	Powerpoint ;	49
23-11-2021	10:15 - 11:15	Rectification of error	Quiz;	Powerpoint ;	49


**Batch 3**
**(F)**
**FYBMS**
**Hetvi Dedhia**
**Sem 1 - Introduction to  
Financial Accounts**

Date of Lecture conducted2	Time Slot	Topic	Activities conducted	Teaching Methodology	Attendance
20-09-2021	09:00 - 10:00	Introduction, Ice breaking, syllabus and teaching pedagogy	Student Interaction -Ice Breaking Activity;	Ice Breaking Activity ;	15
21-09-2021	13:00- 14:30	Principals, Concept and Conventions - Business Entity and Going Concern	Student Interaction; Viva;	Powerpoint ;Application based questions;	15
20-09-2021	09:00 - 10:00	Introduction, Ice breaking, syllabus and teaching pedagogy	Ice Breaking and Introduction;	Syllabus Discussion;	14
21-09-2021	13:00- 14:30	Principals, Concept and Conventions - Business Entity and Going Concern	Practical Example Discussion;	Powerpoint ;	15
23-09-2021	09:00 - 10:00	Principals, Concept and Conventions Part 2 - Revisions and Other Concepts	Practical Example Discussion;	Powerpoint ;	14
25-09-2021	10:15 - 11:15	Principals, Concept and Conventions Part 3 - Revisions and Other Concepts	Practical Case Discussion;	Powerpoint ;	14
27-09-2021	09:00 - 10:00	Principals, Concept and Conventions Part 3 - Revisions and Other Concepts and Quiz	Quiz; Practical Examples discussion;	Powerpoint ;	15
28-09-2021	13:00- 14:30	Meaning of Accounting Policy, Accounting Standards, Need of both, 4 Aspects of Accounting Standards, AS-1	Practical Examples ;	Powerpoint ;	15

28-09-2021	13:00-14:30	Meaning of Accounting Policy, Accounting Standards, Need of both, 4 Aspects of Accounting Standards, AS-1	Practical Examples;	Powerpoint ;	15
30-09-2021	09:00 - 10:00	AS-1 Disclosure of Accounting Policies	Legal Standard reading and Interpretation;	Powerpoint ;Eduotes;	15
04-10-2021	09:00 - 10:00	AS-1 , AS-9 Revenue Recognition, Meaning of Revenue	Practical Examples and Legal Interpretation ;	Powerpoint ;	15
05-10-2021	13:00-14:30	AS-9- Revenue Recognition Part 1	Practical case Scenarios and solutions;	Powerpoint ;	14
07-10-2021	09:00 - 10:00	AS-9- Revenue Recognition Part 2	Practical Examples and Legal Interpretation;	Powerpoint ;	12
09-10-2021	10:15 - 11:15	Introduction of Accounting, Accounting Terms, Classification of Accounts , Enactus Freshers Meet Promo	student Brainstorming ;	Word Document ;	14
16-10-2021	10:15 - 11:15	Golden Rules and Journal Entry Creation	Sum Solving ;	Word Document ;	15
18-10-2021	09:00 - 10:00	Journal Format and Sum	Sum Solving ;	Word Document ;	11
21-10-2021	09:00 - 10:00	Journal Sums Practice	Sums Practice ;	Word Document ;	14
23-10-2021	10:15 - 11:15	Home work discussion of all sums	Discussion of Answers ;	Group Discussion;	12
25-10-2021	09:00 - 10:00	Journal Sums Practice	Sum Solving ;	Word Document ;	15
25-10-2021	11:30 - 12:30	Journal Sums Practice	Sum Solving ;	Word Document ;	14
26-10-2021	13:00-14:30	AS 6- Accounting for Depreciation	Practical Examples ;	Powerpoint ;	13
28-10-2021	09:00 - 10:00	AS- 10 Accounting for Fixed Assets	Practical Examples;	Powerpoint ;	12
30-10-2021	10:15 - 11:15	Journal - Trade Discount and Cash Discount	Sum Solving;	Word document ;	13

11-11-2021	09:00 - 10:00	Journal - Trade Discount and Cash Discount and other entries	Practical Sum Solving ;	Powerpoint ;	10
12-11-2021	11:30 - 12:30	Journal End	Practical Sum Solving ;	Powerpoint ;	12
13-11-2021	09:00 - 10:00	Ledger Introduction and Sums	Sum Solving and Student Interaction;	Powerpoint ;	13
13-11-2021	10:15 - 11:15	Ledger Sums	Sum Solving and Student Interaction;	Powerpoint ;	10
15-11-2021	09:00 - 10:00	Subsidiary Books Introduction and Sums	Student Interaction and Problem Solving ;	Powerpoint ;	13
16-11-2021	13:00- 14:30	Cash Book Introduction and Sums	Student Interaction and Sum Solving ;	Powerpoint ;	13
17-11-2021	09:00 - 10:00	Bank Reconciliation Statement Introduction and Sums	Student Interaction and Sum solving ;	Powerpoint ;	11
20-11-2021	09:00 - 10:00	Bank Reconciliation Statement Sums and Capital and Revenue Income and Expense s	Sum Solving and Student Interaction ;	Powerpoint ;	15
23-11-2021	09:00 - 10:00	Trial Balance Introduction and Sums	Sum Solving and Student Interaction;	Powerpoint ;	7
27-11-2021	10:15 - 11:15	Depreciation - Fixed Installment Method	Student Interaction and Sum Solving ;	Powerpoint ;	10
29-11-2021	09:00 - 10:00	Depreciation - Fixed Installment Method	Student Interaction and Sum Solving ;	Powerpoint ;	10

02-12-2021	09:00 - 10:00	Format of Financial Statement and Rectification of Errors	Student Brain Storming ;	Powerpoint ;	11
07-12-2021	13:00- 14:30	Manufacturing Final Accounts Format	Student Brain Storming ;	Powerpoint ;	15
09-12-2021	15:00 - 16:00	Company Final Accounts Format	Student Brain Storming ;	Powerpoint ;	10
14-12-2021	15:00 - 16:00	Adjustments of Final Account	Student Brain Storming ;	Powerpoint ;	13
15-12-2021	11:30 - 12:30	Final Accounts Sum 1 & 2	Student Interaction and Sum Solving ;	Powerpoint ;	13
16-12-2021	15:00 - 16:00	Final Accounts Sum 3	Student Interaction and Sum Solving ;	Powerpoint ;	9
17-12-2021	10:15 - 11:15	Bank Reconciliation Statement	Student Brain Storming ;	Powerpoint ;	8
21-12-2021	13:00- 14:30	IAS 1	Student Brain Storming ;	Powerpoint ;	11
22-12-2021	13:00- 14:30	IAS 2	Student Brainstorming ;	Powerpoint ;	13
23-12-2021	13:00- 14:30	Revision	student Interaction and Sum Solving ;	Powerpoint ;	11
06-01-2022	10:15 - 11:15	Revision - manufacturing Final Accounts	Student Participation ;	Powerpoint ;	15
08-01-2022	11:30 - 12:30	Revision - Journal, Subsidiary Books	Student Participation ;	Powerpoint ;	19

  
Principal  
VIDYALANKAR SCHOOL OF  
INFORMATION TECHNOLOGY  
Vidyalankar Marg, Vidyalankar  
Educational Campus, Wadala (E)  
Mumbai - 400 037.

