

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Sr. No.	Particulars of the Documents
1	Syllabus of all courses provided by the University
2	Academic Administration Plan prepared for each course
3	Academic Calendar prepared
4	Academic Administration Plan Workshop conducted
5	Semester and Subject Induction conducted
6	Bridge Course conducted for non-science students
7	Internal Assessment Process
8	Beyond Syllabus Activity conducted
9	Usage of Online Platform MS Teams in different subjects
10	Usage of Online Repository VREFER for each subject
11	End Semester Examination conducted
12	Examination Grievances related circulars and activities
13	Examination Unfair Means Report
14	Revaluation Photocopy Process


Principal
VIDYALANKAR SCHOOL OF
INFORMATION TECHNOLOGY
Vidyalankar Marg, Vidyalankar
Educational Campus, Wadala (E)
Mumbai - 400 037.



Department of Information Technology:

B.Sc. IT

Continuous Evaluation process:

1. Syllabus

Academic Council 14/06/2018

Item No : 4.49

UNIVERSITY OF MUMBAI



Syllabus for T.Y.B.Sc.

Programme: B.Sc.

Subject: Information Technology

(Choice Based Credit System)

with effect from the academic year

2018 – 2019

Semester – 5			
Course Code	Course Type	Course Title	Credits
USIT501	Skill Enhancement Course	Software Project Management	2
USIT502	Skill Enhancement Course	Internet of Things	2
USIT503	Skill Enhancement Course	Advanced Web Programming	2
USIT504	Discipline Specific Elective (Any One)	Artificial Intelligence	2
USIT505		Linux System Administration	
USIT506	Discipline Specific Elective (Any One)	Enterprise Java	2
USIT507		Next Generation Technologies	
USIT5P1	Skill Enhancement Course Practical	Project Dissertation	2
USIT5P2	Skill Enhancement Course Practical	Internet of Things Practical	2
USIT5P3	Skill Enhancement Course Practical	Advanced Web Programming Practical	2
USIT5P4	Discipline Specific Elective Practical (Any One)*	Artificial Intelligence Practical	2
USIT5P5		Linux Administration Practical	
USIT5P6	Discipline Specific Elective Practical (Any One)*	Enterprise Java Practical	2
USIT5P7		Next Generation Technologies Practical	
Total Credits			20

(All the practical mentioned in the syllabi are compulsory as per the courses chosen)

Semester – 6			
Course Code	Course Type	Course Title	Credits
USIT601	Skill Enhancement Course	Software Quality Assurance	2
USIT602	Skill Enhancement Course	Security in Computing	2
USIT603	Skill Enhancement Course	Business Intelligence	2
USIT604	Discipline Specific Elective (Any One)	Principles of Geographic Information Systems	2
USIT605		Enterprise Networking	
USIT606	Discipline Specific Elective (Any One)	IT Service Management	2
USIT607		Cyber Laws	
USIT6P1	Skill Enhancement Course Practical	Project Implementation	2
USIT6P2	Skill Enhancement Course Practical	Security in Computing Practical	2
USIT6P3	Skill Enhancement Course Practical	Business Intelligence Practical	2
USIT6P4	Discipline Specific Elective Practical (Any One)*	Principles of Geographic Information Systems Practical	2
USIT6P5		Enterprise Networking Practical	
USIT6P6	Skill Enhancement Course Practical	Advanced Mobile Programming	2
Total Credits			20

*The choice of Practical course is based on the theory Course. For Semester V, USIT504, USIT505, USIT506 and USIT507, the practical courses are USIT5P4, USIT5P5, USIT5P6, USIT5P7. For Semester VI, USIT604, USIT605 the practical courses are USIT6P4, USIT6P5 respectively. Practical Course USIT6P6 is compulsory.

B. Sc. (Information Technology)		Semester – V	
Course Name: Software Project Management		Course Code: USIT501	
Periods per week (1 Period is 50 minutes)		5	
Credits		2	
		Hours	Marks
Evaluation System	Theory Examination	2½	75
	Internal	--	25

Unit	Details	Lectures
I	<p>Introduction to Software Project Management: Introduction, Why is Software Project Management Important? What is a Project? Software Projects versus Other Types of Project, Contract Management and Technical Project Management, Activities Covered by Software Project Management, Plans, Methods and Methodologies, Some Ways of Categorizing Software Projects, Project Charter, Stakeholders, Setting Objectives, The Business Case, Project Success and Failure, What is Management? Management Control, Project Management Life Cycle, Traditional versus Modern Project Management Practices.</p> <p>Project Evaluation and Programme Management: Introduction, Business Case, Project Portfolio Management, Evaluation of Individual Projects, Cost-benefit Evaluation Techniques, Risk Evaluation, Programme Management, Managing the Allocation of Resources within Programmes, Strategic Programme Management, Creating a Programme, Aids to Programme Management, Some Reservations about Programme Management, Benefits Management.</p> <p>An Overview of Project Planning : Introduction to Step Wise Project Planning, Step 0: Select Project, Step 1: Identify Project Scope and Objectives, Step 2: Identify Project Infrastructure, Step 3: Analyse Project Characteristics, Step 4: Identify Project Products and Activities, Step 5: Estimate Effort for Each Activity, Step 6: Identify Activity Risks, Step 7: Allocate Resources, Step 8: Review/Publicize Plan, Steps 9 and 10: Execute Plan/Lower Levels of Planning</p>	12
II	<p>Selection of an Appropriate Project Approach: Introduction, Build or Buy? Choosing Methodologies and Technologies, Software Processes and Process Models, Choice of Process Models, Structure versus Speed of Delivery, The Waterfall Model, The Spiral Model, Software Prototyping, Other Ways of Categorizing Prototypes, Incremental Delivery, Atern/Dynamic Systems Development Method, Rapid Application Development, Agile Methods, Extreme Programming (XP), Scrum, Lean Software Development, Managing Iterative Processes, Selecting the Most Appropriate Process Model.</p> <p>Software Effort Estimation: Introduction, Where are the Estimates Done? Problems with Over- and Under-Estimates, The Basis for Software Estimating, Software Effort Estimation Techniques, Bottom-up Estimating, The Top-down Approach and Parametric Models, Expert Judgement, Estimating by Analogy, Albrecht Function Point</p>	12

	Analysis, Function Points Mark II, COSMIC Full Function Points, COCOMO II: A Parametric Productivity Model, Cost Estimation, Staffing Pattern, Effect of Schedule Compression, Capers Jones Estimating Rules of Thumb.	
III	<p>Activity Planning: Introduction, Objectives of Activity Planning, When to Plan, Project Schedules, Projects and Activities, Sequencing and Scheduling Activities, Network Planning Models, Formulating a Network Model, Adding the Time Dimension, The Forward Pass, Backward Pass, Identifying the Critical Path, Activity Float, Shortening the Project Duration, Identifying Critical Activities, Activity-on-Arrow Networks.</p> <p>Risk Management: Introduction, Risk, Categories of Risk, Risk Management Approaches, A Framework for Dealing with Risk, Risk Identification, Risk Assessment, Risk Planning, Risk Management, Evaluating Risks to the Schedule, Boehm's Top 10 Risks and Counter Measures, Applying the PERT Technique, Monte Carlo Simulation, Critical Chain Concepts.</p> <p>Resource Allocation: Introduction, Nature of Resources, Identifying Resource Requirements, Scheduling Resources, Creating Critical Paths, Counting the Cost, Being Specific, Publishing the Resource Schedule, Cost Schedules, Scheduling Sequence.</p>	12
IV	<p>Monitoring and Control: Introduction, Creating the Framework, Collecting the Data, Review, Visualizing Progress, Cost Monitoring, Earned Value Analysis, Prioritizing Monitoring, Getting the Project Back to Target, Change Control, Software Configuration Management (SCM).</p> <p>Managing Contracts: Introduction, Types of Contract, Stages in Contract Placement, Typical Terms of a Contract, Contract Management, Acceptance.</p> <p>Managing People in Software Environments: Introduction, Understanding Behaviour, Organizational Behaviour: A Background, Selecting the Right Person for the Job, Instruction in the Best Methods, Motivation, The Oldham-Hackman Job Characteristics Model, Stress, Stress Management, Health and Safety, Some Ethical and Professional Concerns.</p>	12
V	<p>Working in Teams: Introduction, Becoming a Team, Decision Making, Organization and Team Structures, Coordination Dependencies, Dispersed and Virtual Teams, Communication Genres, Communication Plans, Leadership.</p> <p>Software Quality : Introduction, The Place of Software Quality in Project Planning, Importance of Software Quality, Defining Software Quality, Software Quality Models, ISO 9126, Product and Process Metrics, Product versus Process Quality Management, Quality Management Systems, Process Capability Models, Techniques to Help Enhance Software Quality, Testing, Software Reliability, Quality Plans.</p> <p>Project Closeout: Introduction, Reasons for Project Closure, Project</p>	12

	Closure Process, Performing a Financial Closure, Project Closeout Report.	
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Books and References:					
Sr. No.	Title	Author/s	Publisher	Edition	Year
1.	Software Project Management	Bob Hughes, Mike Cotterell, Rajib Mall	TMH	6 th	2018
2.	Project Management and Tools & Technologies – An overview	Shailesh Mehta	SPD	1st	2017
3.	Software Project Management	Walker Royce	Pearson		2005

USDS202: Database Management

B. Sc (Data Science)		Semester – II	
Course Name: Database Management		Course Code: USDS202	
Periods per week (1 Period is 50 minutes)		5	
Credits		2	
		Hours	Marks
Evaluation System	Theory Examination	2½	75
	Internal	--	25

Course Objectives: This course concentrates the concept of the DBMS with respect to principles, design and implementation of DBMS. It aims to specify the functional and data requirements for a typical database application and to understand creation, manipulation and querying of data in databases.

- To understand Organizing, structuring and storing data
- Understand Database as Relational model
- To understand SQL to retrieve data and concept of redundancy
- To specify the functional and data requirements for a typical database application
- To understand creation, manipulation and querying of data in databases

Unit	Details	Lectures
I	<p>Introduction & DBMS Architecture: Why Databases? Data versus Information, Introducing the Database, Role and Advantages of the DBMS, Types of Databases, Why Database Design Is Important, Evolution of File System Data Processing, Problems with File System Data Processing, Database Systems</p> <p>Data Models – Data Modeling and Data Models, The Importance of Data Models, Data Model Basic Building Blocks, Business Rules, The Evolution of Data Models, Degrees of Data Abstraction</p> <p>Entity Relationship Model: Entities, attributes, Relationships, Connectivity and Cardinality, Existence Dependence, Relationship Strength, Weak Entities, Relationship Participation, Relationship Degree, Recursive Relationships, Associative (Composite) Entities, Developing an ER Diagram, Database Design Challenges: Conflicting Goals.</p>	12
II	<p>Advanced Data Modeling: The Extended Entity Relationship Model, Entity Clustering, Entity Integrity: Selecting Primary Keys, Design Cases: Learning Flexible Database Design</p> <p>Normalization of Database Tables: Database Tables and Normalization, The Need for Normalization, The Normalization Process, Improving the Design, Surrogate Key Considerations, Higher-Level Normal Forms, Normalization and Database Design, Denormalization, Data-Modeling Checklist</p>	12
III	<p>Structured Query Language (SQL): Introduction to SQL, Basic SELECT Queries, SELECT Statement Options, FROM Clause Options, ORDER BY Clause Options, WHERE Clause Options, Aggregate Processing, Subqueries, SQL Functions, Relational Set Operators, Crafting SELECT Queries</p>	12

IV	<p>Advanced SQL: Data Definition Commands, Creating Table Structures, Altering Table Structures, Data Manipulation Commands, Virtual Tables: Creating a View, Sequences, Procedural SQL, Embedded SQL</p> <p>Database Design: The Information System, The Systems Development Life Cycle, The Database Life Cycle, Conceptual Design, DBMS Software Selection, Logical Design, Physical Design, Database Design Strategies, Centralized versus Decentralized Design</p>	12
V	<p>Transaction Management and Concurrency Control: What Is a Transaction? Concurrency Control with Locking Methods, Concurrency Control with Time Stamping Methods, Concurrency Control with Optimistic Methods, ANSI Levels of Transaction Isolation, Database Recovery Management</p> <p>Database Performance Tuning and Query Optimization: Database Performance-Tuning Concepts, Query Processing, Indexes and Query Optimization, Optimizer Choices, SQL Performance Tuning, Query Formulation, DBMS Performance Tuning, Query Optimization Examples</p> <p>Database Administration and Security: Data as a Corporate Asset, The Need for a Database and Its Role in an Organization, Introduction of a Database: Special Considerations, The Evolution of Database Administration, The Database Environment's Human Component, Security, Database Administration Tools, Developing a Data Administration Strategy, The DBA's Role in the Cloud, The DBA at Work: Using Oracle for Database Administration</p>	12

Books and References:					
Sr. No.	Title	Author/s	Publisher	Edition	Year
1.	Fundamentals of Database Systems	Elmasri Ramez and Navathe Shamkant B,	Pearson Education	6th Edition,	2010.
2.	Database System Concepts	Silberschatz, Korth, Sudarshan,	McGraw Hill,	5 Edition,	2006.
3.	Database Management Systems,	Ramakrishnam, Gehrke,	McGraw-Hill,		2007
4.	Murach's MySQL	Joel Murach,	Murach,		2012

Course Outcomes:

After completion of the course, a student should be able to:

- Students should be able to evaluate business information problem and find the requirements of a problem in terms of data.
- Students should be able to draw database design in logical structure and can identify the entities which exist in a system
- Students should be able to construct normalized database and functional dependencies between attributes and relational algebra queries
- Students should be able to design the database schema with the use of appropriate data types for storage of data in database.
- Students should be able to create, manipulate, query and back up the databases with features of SQL.

USDS2P2: Database Management Practical

B. Sc (Data Science)		Semester – II	
Course Name: Database Management Practical		Course Code: USDS2P2	
Periods per week (1 Period is 50 minutes)		3	
Credits		2	
		Hours	Marks
Evaluation System	Practical Examination	2½	50
	Internal	--	--

Course Objectives: Provides the hands on the SQL language for retrieving the data from the database in different scenarios. The primary focus is to understand relational database concepts and design by using SQL.

- Identify entities and its relationship with relational model structure.
- To understand relational database using SQL and constraints implementation using create table query
- To Understand DML operations and backing of database
- To understand how to retrieve data from database and learn how to retrieve single value after performing calculations on group of values
- To understand built-in functions to perform operations on data
- To understand how to fetch data from two or more tables, which is joined to appear as single set of data
- To understand nested and larger query as advanced fetching of data
- To understand concept of virtual table.
- To understand how to control user access in a database.

List of Practical: (Can be done in Oracle / SQL Server / MySQL)

1.	For given scenario Draw E-R diagram and convert entities and relationships to table.
2.	Write SQL query for given problem statement:
a.	Viewing all databases
b.	Creating a Database
c.	Viewing all Tables in a Database
3.	Perform the following Operations:
a.	Creating Tables (With and Without Constraints)
b.	Inserting/Updating/Deleting Records in a Table
c.	Saving (Commit) and Undoing (rollback)
4.	Perform the following Operations:
a.	Altering a Table
b.	Dropping/Truncating/Renaming Tables
c.	Backing up / Restoring a Database
5.	Perform following:
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)
6.	Perform Queries involving:
a.	Date Functions
b.	String Functions
c.	Math Functions
7.	Retrieving Data from Multiple Table:
a.	Joining Tables (InnerJoins, Outer-Joins)
b.	Aliases for Table Names
8.	Subqueries:
a.	With IN clause
b.	With EXISTS clause
c.	Handling NULL
9.	Views:
a.	Creating Views
b.	Dropping Views
c.	Selecting from view
10.	DCL statements:
a.	Granting and revoking permissions

Course Outcomes:

After completion of the course, a student should be able to:

- Students able to draw relationship diagram.
- Students able to perform various operations such as insert, update delete and retrieve data from database using SQL queries.
- Students able to perform alteration in tables and can restore and take backup of the database.
- Students able to perform operations using simple SQL Queries to fetch data and learns various aggregate functions to get single value.
- Students able to perform SQL Queries using JOIN keyword for joining two or more tables.
- Students able to perform nested queries using in, exists operators.
- Students able to create new table by joining one or more tables and learn how to hide attribute from end user.
- Students able to restrict the user from accessing data in database.

2. Academic Administration Plan

Consolidated Academic Administration Plan for the Course

*USIT 501 Software Project Management – Sem. V
B.Sc. (Information Technology)– 2021-2022 – Odd Semester
Ms. Pushpa Mahapatro, Ms. Ujwala Sav*

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 NAAC guideline in this regard)

Cognitive	What do you want students to know?	To understand the principles of modern software project management. To understand the model-based software architectures and its implementations.
Affective	What do you want students to think / care about?	To think and analyse how the steps learnt can be implemented for various software projects. To analyze and improve software economics.
Behavioural	What do you want students to be able to do?	To create the design, track the software projects using various Activity Diagram Tools. To show how to reduce rework, labour-intensiveness, expenditure and produce a project within schedule.

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

CO No.	Statements	Related Module/s
CO1	To understand Project Management life cycle. To know the various steps in Programme Management and Project Planning.	1

CO2	To measure the various techniques of Software Effort Estimation.	2
CO3	To do Project Planning and Risk assessment.	3
CO4	To think and analyse how Monitoring and Control can be implemented for various software projects.	4
CO5	To realize the importance of team work and team formation.	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
USIT 501	Software Project Management	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					

USIT 501	Software Project Management	20	20	Scaled to 15 + 10 Class Participation	75	25	-	-	100
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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 1	Batch 2
A	3.00	N.A.	N.A.	N.A.	N.A.
B	3.00	N.A.	N.A.	N.A.	N.A.
C	3.00	N.A.	N.A.	N.A.	N.A.
D	3.00	N.A.	N.A.	N.A.	N.A.
E	3.00	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	3:00 pm to 4:00 pm	Virtual Office Hours
B	Monday	3:00 pm to 4:00 pm	Virtual Office Hours
C	Monday	3:00 pm to 4:00 pm	Virtual Office Hours
D	Monday	3:00 pm to 4:00 pm	Virtual Office Hours
E	Monday	3:00 pm to 4:00 pm	Virtual Office Hours

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 Lec.)	% Weightage in University Question Papers
1	Introduction to Software Project Management, Project Evaluation and Programme Management, An Overview of Project Planning	12 lectures x60min	20
2	Selection of an Appropriate Project Approach, Software Effort Estimation	09 lectures x60min	20
3	Activity Planning, Risk Management, Resource Allocation	08 lectures x60min	20
4	Monitoring and Control, Managing Contracts, Managing People in Software Environments	06 lectures x60min	20
5	Working in Teams, Software Quality, Project Closeout	05 lectures x60min	20

* Insert rows for more modules in the Course	40 lectures x60min	100
Total		

2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	IV	Software Engineering	SDLC Models, Cost Estimation using various models like COCOMO, Risk analysis and assessment,

2.c Relevance to Future Courses

No.	Semester	Name of the Course
1	VI	Software Quality Assurance
2	V, VI	Project For TY B. Sc. IT
3	Part 2, Sem 3	Technical Writing and Entrepreneurship Development - Managing R&D Projects
4	Part 2, Sem 3 and 4	Project for MSc IT

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 projects in all domains
2	Project management software that allows you to map out the entire life of a project - Zoho Projects
3	Collaborate across your whole organization - ClickUp
4	Project planning Tool - Asana
5	The Best Project Management Software for 2020 - PCMag
6	functions of a project management software – Team book
7	Collaborating with team members – Wrike
8	Project schedule can deviate from the original plan midway to execution – Liquid Planner

3. Past Results – Division-Wise and Topic-Wise Result Based Analysis – (New Subject)

Details	Target - Nov 2021	Nov 2020	Nov 2019	Nov 2018
Course Passing % – Average of 5 Divisions	100%	100%	86.05%	95%
Marks Obtained by Course Topper (mark/100)	100	100	82	83

	Division A	Division B	Division C	Division D	Division E	Division F
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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
May 2020	PSM/UMS	100%	PSM/UMS	100%	PSM/UMS	100%	PSM/UMS	100%	PSM/UMS	100%	NA	NA
May 2019	PSM	96%	UMS	93%	PSM	79%	UMS	80%	PSM	82%	NA	NA
May 2018	PSM	100%	UMS	91.2%	PSM	92%	UMS	86.8%	PSM	96%	NA	NA
May 2017	NA	NA	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
Calculation of Cost using COSMIC and other models	2	Table values to be provided and needs more practice
Formulating a Network Model	3	Practice for formulating a Network Model
Adding the Time Dimension, The Forward Pass, Backward Pass,	3	Solve the exercise given in text book for practice
Selection of an Appropriate Project Approach, Software Effort Estimation	2	Solve the previous question paper

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	Project Management and Tools & Technologies An overview	Shailesh Mehta	SPD	1st	1, 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	Software Project Management	Bob Hughes, Mike Cotterell, Rajib Mall	MGH	6 th	1 to 5
2	Effective Software Project Management	Robert K Wysocki	Wiley India Edition	1 st	3, 4, 5
3	Software Project Management	Walker Royce	Pearson Education	2005	1, 3, 4

4	Software Engineering	Roger Pressman	McGraw Hill	2009	1, 2
5	Software Project Management	Joel Henry	Pearson	1 st , 2004	1, 2, 4
6	Software Engineering	Ian Sommerville	Pearson	8th	2,4,5
7	An Integrated Approach To Software Engineering	Pankaj Jalote	Narosa	2009	1, 2, 3
8	Object Oriented Modelling And Design	James Rambaugh	PHI	2009	For project
9	Object Oriented Systems Development using Unified Modelling Language	Ali Bahrami	McGraw Hill	2009	For project

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	Applied Software Project Management	Jennifer Greene, Andrew Stellman	OREILLY	1 st	1, 2
2	IT Project Governance	Magnus Mahring	EFI at SSE2002	2002	ALL
3	Project Management Handbook	Wouter Baars	projectmanagement-training.net 2006	2006	ALL
4	A Project Management Primer	Nick Jenkins		2006	1, 2
5	Making Things Happen: The art of Project Management	Scott Berkun	OREILLY	1 st	2, 3

4.d Web Links and Names of Magazines, Journals, E-journals

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 Project Management https://www.journals.elsevier.com/international-journal-of-project-management	Methods & Tools www.methodsandtools.com Software Development Magazine: Software Testing, Project Management, Agile, Scrum, Kanban, Requirements, Programming, Java, databases, business analysis, DevOps	Unit 1, 3
2	Sage: Project Management Journal https://journals.sagepub.com/home/pmx	AIPM - Project Manager Magazine www.aipm.com.au	Unit 1, 2
3	Project Management Journal https://www.pmi.org/learning/publications/project-management-journal	PM Today https://www.pmtoday.co.uk/	3
4	The Journal of Modern Project Management https://www.journalmodernpm.com	The Project Magazine http://www.projectmagazine.com/	3
5	International Journal of Software Engineering and Knowledge Engineering	PM Tools weblink https://www.pmi.org/learning/tools-templates	Unit 2

	https://www.worldscientific.com/worldscinet/ijseke	
6	Software Project Management Challenges http://globalbizresearch.org/files/kf528_irrempradip-peter-dey_muzibul-khan_mohammad-amin_bhaskar-raj-sinha_hassan-badkoobehi-385113.pdf	Atlassian https://www.atlassian.com/software/jira/enterprise

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			Magazine	Journals		Y	N	
	Text	Reference	E-Book		Regular	E-Journal			
1	√	√	√	√	√	√		Ref. Book 1 - Chapter – 1,2,3	
2	√	√	√	√		√		Ref. Book 1 - Chapter – 4,5	
3		√	√	√		√		Ref. Book 1 - Chapter – 6,7, 8	
4		√	√		√	√		Ref. Book 1 - Chapter – 9,10, 11	
5		√	√			√		Ref. Book 1 - Chapter – 12, 13,14	

4.f

Web Links for Online Notes/YouTube/VSIT Digital Content/VSIT 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	Video on 'A course in software project management – part #1 - YouTube https://www.youtube.com/watch?v=M-ROc1JKIRU	1
2	Project Evaluation https://www.youtube.com/watch?v=TTUjPZih2Ak	2
2	Video on 'Iterative and Incremental Model' https://www.youtube.com/watch?v=9sGTrWjFpvl	2, 3
3	Software Cost Estimation https://www.youtube.com/watch?v=g2ciEJeE5N0	3
4	Managing Contract https://www.youtube.com/watch?v=QIVkl7SwvzE	4
5	Managing People in Software Management https://www.youtube.com/watch?v=5BbFM4nqvxl	4

5	Working in Team 3 https://www.youtube.com/watch?v=kYjqtLCNqSA	5
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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	Project Management By Prof. Raghu Nandan Sengupta IIT Kanpur, https://onlinecourses.nptel.ac.in/noc21_mg71/preview	NPTEL	8 weeks	Y
2	Latex	Spoken Tutorials	14 videos	Y
3	Introduction to Project Management https://www.udemy.com/project-management/	Udemy	3 hrs	Y
4	Introduction to Project Management	edX in co-ordination with The University of Adelaide	6 weeks (self paced)	Certificate Chargeable
5	Project Management: The Closing Phase https://www.udemy.com/project-management-improve-project-manager-skills/	Udemy	0.5 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	Web Link for Information: https://www.pmi.org/ Project Management Professional	Project Management Institute	35 hrs	Y (Paid+Exam)
2	Certified Associate in Project Management, CAPM certification guide: Certified Associate in Project Management exam"	Project Management Institute	23 hrs	Y (Paid+Exam)

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)	From (date/month/year)	Total Number of Weeks
Semester Duration	Jun-2021	Nov-2021	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	Introduction to Software Project Management: Introduction, Subject Induction	Poll, Viva	Power point, Video Clip	1	1/1/1
1	2.		Why is Software Project Management Important? What is a Project?	Poll, Viva	Power point, Video Clip	2	1/1/1
1	3.		Software Projects versus Other Types of Project, Contract Management and Technical Project Management, Activities Covered by Software	Case Study, Poll	Power point, Video Clip	3	1/4/1
2	4.		Project Management, Plans, Methods and Methodologies, Some Ways of Categorizing Software Projects, Project Charter, Stakeholders,	Quiz, Poll, Viva	Power point, Show plans used in various application	4	1/7/1
2	5.		Setting Objectives, The Business Case, Project Success and Failure, What is Management? Management Control, Project Management Life Cycle,	Case Study, Poll	Power point, Video Clip	5	1/13/1
2		SS	Traditional versus Modern Project Management Practices.	Video	Flipped Classroom		1/23/1
2	6.		Project Evaluation and Programme Management: Introduction, Business Case, Project Portfolio Management,	PBL, Quiz, Poll	Power point, Video Clip	6	2/31/1
3	7.		Evaluation of Individual Projects, Cost benefit Evaluation Techniques, Risk Evaluation, Programme Management,	PBL, Flash Card, Poll, Viva	Power point, Video Clip	7	2/35/1
3		SS	Managing the Allocation of Resources within Programmes, Strategic Programme Management, Creating a Programme,	Viva	Notes		2/47/1

3	8.		Aids to Programme Management, Some Reservations about Programme Management, Benefits Management.	PBL, Poll, Viva	Power point, Video Clip	8	2/50 /1
3	9.		An Overview of Project Planning : Introduction to Step Wise Project Planning, Step 0: Select Project,	Poll, Viva	Power point, Video Clip	9	3/58 /1
4	10		Step 1: Identify Project Scope and Objectives, Step 2: Identify Project Infrastructure, Step 3: Analyse Project Characteristics,	Gravity Game on quizlet, Quiz, Poll	Power point, Video Clip	10	3/62 /1
4	11		Step 4: Identify Project Products and Activities, Step 5: Estimate Effort for Each Activity, Step 6: Identify Activity Risks,	Quiz, Poll	Power point, Video Clip	11	3/68 /1
4	12		Step 7: Allocate Resources, Step 8: Review/Publicize Plan, Steps 9 and 10: Execute Plan/Lower Levels of Planning Unit 1 End Assessment: Assignment 1	Poll, Assignment 1 – 20 Marks	Power point, Video Clip	12	3/75 /1
5	13	2	Selection of an Appropriate Project Approach: Introduction, Build or Buy? Choosing Methodologies and Technologies,	Poll, Viva	Flipped Classroom, Power point, Video Clip	13	4/81 /1
5		SS	Software Processes and Process Models, Choice of Process Models, Structure versus Speed of Delivery, The Waterfall Model, The Spiral Model, Software Prototyping, Other Ways of Categorizing Prototypes, Incremental Delivery	Viva	Power point, Video Clip		4/88 /1
5	14		Atern/Dynamic Systems Development Method, Rapid Application Development, Agile Methods, Extreme Programming (XP), Scrum,	Quiz, Poll, Viva	Power point, Video Clip	14	4/98 /1
6	15		Lean Software Development, Managing Iterative Processes, Selecting the Most Appropriate Process Model.	Poll, Viva	Power point, Video Clip	15	4/10 8/1
6	16		Software Effort Estimation: Introduction, Where are the Estimates Done?	Poll, Viva	Power point, Video Clip	16	5/11 7/1
6		SS	Problems with Over- and Under-Estimates, The Basis for Software Estimating,	Viva	Notes		5/11 7/1

6	17	Software Effort Estimation Techniques, Bottomup Estimating, The Top-down Approach and Parametric Models,	PBL, Viva	Power point, Video Clip	17	5/12 0/1
7	18	Expert Judgement, Estimating by Analogy, Albrecht Function Point, Analysis, Function Points Mark II,	PBL, Viva	Power point, Video Clip	18	5/12 8/1
7	19	COSMIC Full Function Points, COCOMO II	PBL, Viva	Power point, Video Clip, http://vlabs.iitkgp.ernet.in/se/	19	5/13 3/1
7	20	A Parametric Productivity Model, Cost Estimation,	Poll, Viva	Power point, Video Clip, http://vlabs.iitkgp.ernet.in/se/	20	5/13 5/1
8	21	Staffing Pattern, Effect of Schedule Compression, Capers Jones Estimating Rules of Thumb, Unit 2 End Assessment: Pop Quiz	PBL, Quiz of 20 Marks	Power point, Video Clip	21	5/14 1/1
8	22	3 Activity Planning: Introduction, Objectives of Activity Planning, When to Plan,	Gravity Game on quizlet, Viva	Power point, Video Clip	22	6/15 5/1
8	23	Project Schedules, Projects and Activities, Sequencing and Scheduling Activities, Network Planning Models,	Poll, Viva, Gamification using nearpod	Power point, Video Clip	23	6/15 7/1
9	24	Formulating a Network Model, Adding the Time Dimension, The Forward Pass, Backward Pass, Identifying the Critical Path, Activity Float,	Poll, Viva	Power point, Video Clip	24	6/16 4/1
9	25	Shortening the Project Duration, Identifying Critical Activities, Activity-on-Arrow Networks.	Poll, Viva, Gamification using spin wheel	Power point, Video Clip, Simulation : http://vlabs.iitkgp.ernet.in/se/	25	6/17 4/1
9	26	Risk Management: Introduction, Risk, Categories of Risk, Risk Management Approaches,	Poll, Viva	Power point, Video Clip, Simulation : http://vlabs.iitkgp.ernet.in/se/	26	7/18 8/1

					.iitkgp.ernet.in/se/		
9		SS	A Framework for Dealing with Risk, Risk Identification, Risk Assessment, Risk Planning, Risk Management, Measures,	Viva	Notes		7/19 2/1
10	27		Applying the PERT Technique, Monte Carlo Simulation, Critical Chain Concepts.	Poll, Viva	Power point, Video Clip	27	7/20 3/1
10	28		Resource Allocation: Introduction, Nature of Resources, Identifying Resource Requirements,	Quiz, Poll, Viva	Power point, Video Clip	28	8/21 9/1
10	29		Scheduling Resources, Creating Critical Paths, Counting the Cost, Being Specific, Unit 3 End Assessment: PBL	Poll, Viva, PBL	Power point, Video Clip	29	8/22 4/1
10		SS	Publishing the Resource Schedule, Cost Schedules, Scheduling Sequence.	Viva	PPT		8/23 0/1
11	30	4	Monitoring and Control: Introduction, Creating the Framework, Collecting the Data,	Poll, Viva	Power point, Video Clip	30	9/23 8/1
11	31		Review, Visualizing Progress, Cost Monitoring, Earned Value Analysis, Prioritizing Monitoring,	Quiz, Poll	Power point, Video Clip	31	9/24 4/1
11		SS	Getting the Project Back to Target, Change Control, Software Configuration Management (SCM).	Viva	PPT		9/25 7/1
11	32		Managing Contracts: Introduction, Types of Contract, Stages in Contract Placement,	Poll, Viva	Power point, Video Clip	32	10/2 70/1
12	33		Typical Terms of a Contract, Contract Management, Acceptance.	Quiz, Poll	Power point, Video Clip	33	10/2 80/1
12	34		Managing People in Software Environments: Introduction, Understanding Behaviour, Organizational Behaviour: A Background,	Poll, Viva	Power point, Video Clip	34	11/2 86/1
12	35		Selecting the Right Person for the Job, Instruction in the Best Methods, Motivation, The Oldham Hackman Job Characteristics Model,	Quiz, Poll	Power point, Video Clip	35	11/2 90/1

12		SS	Stress, Stress Management, Health and Safety, Some Ethical and Professional Concerns. Unit 4 End Assessment: THT	Viva, THT Video presentation – 20 Marks	PPT		11/2 96/1
13	36	5	Working in Teams: Introduction, Becoming a Team, Decision Making,	Poll, Viva	Power point, Video Clip	36	12/3 03/1
13	37		Organization and Team Structures, Coordination Dependencies, Dispersed and Virtual Teams, Communication Genres,	Quiz, Poll	Power point, Video Clip	37	12/3 12/1
13		SS	Communication Plans, Leadership.	Viva	PPT		12/3 23/1
13	38		Software Quality : Introduction, The Place of Software Quality in Project Planning, Importance of Software Quality,	Poll, Viva	Power point, Video Clip	38	13/3 27/1
14	39		Defining Software Quality, Software Quality Models, ISO 9126, Product and Process Metrics,	Quiz, Poll	Power point, Video Clip	39	13/3 29/1
14		SS	Product versus Process Quality Management, Quality Management Systems, Process Capability Models, Techniques to Help Enhance Software Quality, Testing, Software Reliability, Quality Plans	Viva	PPT		13/3 39/1
14	40		Project Closeout: Introduction, Reasons for Project Closure, Project Closure Process, Performing a Financial Closure, Project Closeout Report. Unit 5 End Assessment: MOOC Certification	Quiz, Poll Certification – 20 Marks	Power point, Video Clip	40	14/3 74/1

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	-	-	-	IA 1 - 20 Marks, IA 2 – 20 Marks	-	-	25

						Scaled to 15 Marks			
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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 Software Project Management, Project Evaluation and Programme Management, An Overview of Project Planning	1	4 th Week	4 th 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	4	√	√		1	1	1		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 st IA Test	7 th week	1, 2	1,2	Q1 – 10 Marks Q2 – 10 Marks	No IA Re-test
2 nd IA Test	12 th Week	3, 4	3, 4		IA is a Head of passing *
Pop Quiz	8 th Week	3	3	MS Teams	-
Open Book Test	-	-	-	-	-
Take Home Test	12 th Week	4	-	MS Teams	-

Practical Prelims	End of Semester	1, 2, 3, 4, 5	1, 2, 3, 4, 5	MS Teams	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 Regular Experiments	Concepts to be highlighted	CO Map	Audit / Quality Rate (0 to 4)
1		NA			
2					
3					
4					
5					
6					
7					
8					
9					

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		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	Problems on Cost Benefit Analysis	CBA, ROI, NPV	1	4
2	1	Problems on Cost Benefit Analysis	IRR (Internal Rate of Return)	1	4
3	2	Cost Estimation of the project Using Function Point Analysis (FPA)	Cost Estimation	2	4
4	2	Cost Estimation of the project Using COCOMO Model II	Cost Estimation	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)	Yes
4		Mini Projects	-
5		Pop Quiz	Yes
6		Mobile App Based Quiz	Yes
7		Open Book Test	-
8		Take Home Test	Yes
9	Collaborative and Group Activity	Poster Presentation	Yes
10		Minute Papers	Yes
11		Students Seminar	Yes
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	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)

What's New?

1. Simulation Tool:

<http://vlabs.iitkgp.ernet.in/se/2/>

2. Project Based Learning: Different cases and find the best case
3. NPTEL : Project Management 8 Weeks
4. Spoken Tutorial certification
5. Gamification – Match cards, Flash Cards, Nearpod, Kahoot
6. PBL: CBA, ROI, IRR, COCOMO
7. Design thinking – Video creation by students, hands-on clickups
8. Competency based Learning – Poster presentation
9. Flipped classroom

Pushpa Mahapatro
(Sign.)

Ujwala Sav
(Sign.)

External Industry Mentor (Sign.)
(Sign.)

External Academic Mentor

VSIT Cluster Mentor Name (Sign.)
(Sign.)

Head of Dept.

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	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 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
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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
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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	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)

Division	Day	Time (at least 1 Hr. / Division)	Venue (Office Room No.)
A	Tuesday	3:00 pm – 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	% 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 Total		40	100

2.b Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1	12 th	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 %	100	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 th Edition	All
3	"Fundamentals of Database Systems"	Elmsari, Navathe	Pearson Education (2008).	6 th 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 Database Management Systems http://airccse.org/journal/ijdms/ijdms.html	Introduction to Databases By Dixon Kimani https://www.techopedia.com/6/28832/enterprise/databases/introduction-to-databases	1,2
2	Journal on Database Management System https://www.managementstudyguide.com/database-management-system-articles.htm	Operational Database Management Systems http://www.odbms.org/odmg-standard/reading-room/magazines/	4
3	Database journal the knowledge center for Database Professionals https://www.databasejournal.com/	MySQL, SQL Server, MS Access, Oracle, Sybase, Informix, Postgres, and other database systems https://www.w3schools.com/sql/default.asp	1-5
4	OXFORD Academic -Database The journal of Biological Databases and Curation		2

<https://academic.oup.com/DATABASE/>
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		Y	N	
	Text	Reference	E-Book		Regular	E-Journal			
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 https://www.youtube.com/watch?v=5fs1ldO6B5c&t=2s	1-5

2	Basic concept of NORMALIZATION https://www.youtube.com/watch?v=oylHRgBDfNc	1-5
3	Conflict Serializability https://www.youtube.com/watch?v=zv0ba0lok1Y	1-5
4	Many to many relationships https://www.youtube.com/watch?v=onR_sLhbZ4w&list=PLxCzCOWd7aiFAN6I8CuViBuCdJgiOkT2Y&index=18	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 https://www.coursera.org/learn/sql-data-science#syllabus	Coursera - IBM	4 Weeks- 14 Hours	Y
3	Introduction to Database and SQL Querying https://www.udemy.com/introduction-to-databases-and-sql-querying/	www.udemy.com	2.5 Hrs	Y
4	SQL for Data Science https://www.coursera.org/learn/sql-for-data-science#about	Coursera-University of California	4 weeks- 14 Hours	Y
5	SOLO learn-SQL https://www.sololearn.com/Course/SQL/	https://www.sololearn.com	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
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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	Introduction & DBMS Architecture: 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	Data Models: Data Modelling and Data Models, The Importance of Data Models	Poll	PPT,	6	2/30-34/1
3	7	1	Data Models Basic Building Blocks, Business Rules	Poll	PPT	7	2/35/1
	8	1	The Evolution Data Models, Degrees of Data Abstraction	Poll	PPT	8	2/35/4

	9	1	Entity Relationship Model: 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	Advanced Data Modelling: 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	Normalization of Database Tables: 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, Surrogate Key Considerations	Quiz, Poll, Viva	PPT, Video Clip	14	15/509-515/1

	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	Structured Query Language (SQL): 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	Advanced SQL: 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	Database Design: 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 Software Selection	Quiz, Poll	PPT	27	2/5/268
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	Transaction Management and Concurrency Control: 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	Database Performance Tuning and Query Optimization: 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	Poll, Quiz	PPT	36	3/19/700

			Performance Tuning				
	SS	5	Query Optimization Examples	PBL	GD	SS	3/19/687
13	37	5	Database Administration and Security: Data as a Corporate Asset, The Need For a Database and its Role In an Organization	Poll	PPT	37	
	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	-	75

						to 15 Marks		
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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 rd week	4 th 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 st IA Test	7 th week	1,2	1,2	Q1 – 15 Marks Q2 – 15 Marks	No IA Re-test
2 nd IA Test	10 th week	3,4	3,4		IA is a Head of passing *
Pop Quiz	5 th week, 7 th week	2	2	MSTeams	
Open Book Test	9 th week	3	3	MSTeams	
Take Home Test	10 th week	4	4	MSTeams	
Class tests / prelims	3 rd and 5 th 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 Regular Experiments	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	Subqueries	4	4

		With IN Clause With EXISTS Clause Handling NULL			
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 Newly Added Experiments	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 PBL Experiments	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	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.)
(Sign.)

External Academic Mentor

VSIT Cluster Mentor Name (Sign.)
(Sign.)

Head of Dept.

3. Academic Calendar

Department of Information Technology

2021-2022

Academic Calendar

Month	Name of the Activity	Date
June	AAP Workshop for Sem III and V	14-06-2021
July	Guest Lecture on VIT Server Room virtual visit by Mr. Sunil Thube Network Administrator	07-10-2021
	V-Shield Session 1	10-07-2021
	V-Shield Session 2	17-07-2021
	Guest Lecture on Mathematics in real world, Mr. Anshul Gupta Head Center for Business Analytics, ISME	17/07/2021
	Guest Lecture on Project Management in IT Industry, Mr. Kaushik Choudhary Technopreneur, Indian Institute of Social Welfare, Kolkata	
	Value Added Course on Working with Cassandra Database, Seema M. Spruha M.	19/07/2021 - 24/07/2021
	Value Added Course on Python for Data Science, Leena J, Janhavi V, Pallavi T	
	V-Shield Session 3	24/07/2020
	Value Added Course on Java Enterprise Application Development, Shajil K, Rohini D	26/07/2021 - 31/07/2021
	Value Added Course on DBA- SQL Essentials, Hrishikesh T, Aasha C, Pallavi T	
	Value Added Course on DBA- SQL Essentials, Hrishikesh T, Aasha C, Pallavi T	26/07/2021 - 31/07/2021
	Workshop on SQL on Hadoop, Suchit K, Alumni	30/07/2021 - 31/07/2021
August	Internal Assessment 1 (Semester III and V)	02/08/2021 - 07/08/2021
	Value Added Course on Hardware and Networking, Asif R.,	
	Guest Lecture on "Industrial Applications of Python", Mr. Girija	07.08.2021
	V-Shield Session 4	14-08-2021
	Hands-on workshop on building web application with ASP.NET MVC5 Architecture, Mr. Sachin Agrawal, Ms. Ketaki Ghawali, Dr. Sarika Chouhan	13/8/2021
	Guest Lecture on Microsoft Cloud Storage, Mr. Jignesh Chhedda, Alumni	14/08/2021
	Case Study related to Big Data, Yashwardhan Sowale Vice	14/08/2021
	V-Shield Session 5	21-08-2021
	Guest Lecture on Applied AI, Mrunali Parab Senior Associate, TIAA India	21/08/2021
	Seminar on Linux Distros - Real world applications, Reasons, Challenges, Jignesh Chhedda, Alumni	
	Practical Assessment (Semester III and V)	23/08/2021 - 28/08/2021

	Workshop Report on “Data Analytics and Microsoft Power BI” , Mr. Saurabh Pujare, Aasha Chavan, Rohini Desai, Ashwini Koyande	27/08/2021 - 28/08/2021
	Value Added Course on Quantitative Aptitude for Competitive Examinations, Geeta Sahu, Sabir Shaikh	30/08/2021 - 04/09/2021
	V-Shield Session 6	04-09-2021
September	Departmental Video Competition	09-04-2021
	FYBScIT Division - F Orientation and Induction of Semester I	15th, 16th and 18th September, 2021
	FYBSc IT and Data Science Orientation and Induction of Semester I	Saturday 18th September to Saturday 25th September, 2020.
	Bridge Course in Digital Electronics	21 to 24 September 2021
	Bridge Course in Discrete Mathematics	27th to 30th September 2021
	Internal Assessment 2 (Semester III and V)	20/09/2021 - 25/09/2021
October	Panel discussion on Recent Trends in IT	10-01-2021
	Guest Lecture on “Development Trends in JAVA” , Leesha Nair, Program Manager, Capgemini	09.10.2021
	Final Practical Exam (Mini-Project Presentation + Viva)	11/10/2021 - 16/10/2021
	Bridge course in Mathematics for Data Science	11-10-21 to 14-10-22
	Guest lecture on Advanced Excel in Data Science	23rd October 2021
	End Semester Exam	18/10/2021 - 23/10/2021
November		
December	TYIT Sem VI Induction	12-06-2021
	Workshop on “How to Implement Logic Building Skills in Programming”	18/12/2021 and 20/12/2021
January	FYBSc IT and Data Science Sem I Practical Assessment	10/01/2022 - 14/10/2022
	FY. B.Sc. IT and Data Science Semester I Regular End Semester Examination	17/01/2022 - 21/01/2022
	TYIT Sem VI IA1 Midterm Examination	24/01/2022 - 29/01/2022
	AAP Workshop of FYBSc IT and Data Science Semester - 2	29/01/2022
	TYIT Sem VI Parctiacl Assessment#1 Examination	31/01/2022 - 4/02/2022
	FYBSc IT and Data Science Induction of Semester 2	31/01/2022 - 04/02/2022

4. AAP Workshop**Note**Date : 4th June 2021**Sub: AAP Workshop**

Department of Information Technology is organizing a AAP Workshop for its three clusters on 14th and 15th June 2021. We are inviting industry and academic mentors to share their valuable inputs for the workshop.

Sr. No.	Cluster	Industry Mentor	Academic Mentor
1	Software Development	Mr. Rajesh Rajamani Sr. Consultant, Intelnet Global Service	Dr. Aarti Milind Karande Assistant Professor, Bharatiya Vidya Bhavans Sardar Patel Institute of Technology
2	Networking & Systems	Mr. N. S. Gurjar President of Consulting Connoisseurs (B.Tech- IIT Bombay, Gold Medallist MBA NITIE, Masters IPR Law, WIPO, Geneva)	Dr. Pradeep Pendse Dean - IT Welingkar Or Dr. Anita Diwakar, PhD, IDP Educational Technology, IIT Bombay
3	Electronics & Maths	Mr. Mayank Parikh Sr. Solution Architect, IBM	Dr. Ashok Bingi, St. Xavier's College

Sr. No.	Particulars	Cost (in Rs.)	No. of Mentors	Total (in Rs.)
1	Remuneration	3000	6	18,000
2				
			Total	18,000

Sanction may kindly be granted for Rs. 18,000/-**Principal****To**

Director

APP Notice:

Note

Date : 12th Nov 2021

Sub: AAP Workshop

Department of Information Technology is organizing a AAP Workshop for BSCT Subjects on 20th and 27th Nov 2021 as per the following schedule:

Sr. No.	Day & Date	Time	Subject	Faculty
1	Sat, 20 th Nov 2021	10:00 am	SY IT Sem IV CJ	Ketaki Ghawali, Seema Bhatkar
2	Sat, 20 th Nov 2021	10:45 am	SY IT Sem IV IES	Sabir Shaikh, Umesh Koyande
3	Sat, 20 th Nov 2021	11:15 am	SY IT Sem IV COST	Geeta Sahu, Maitreyi Joglekar
4	Sat, 20 th Nov 2021	12:00 noon	SY IT Sem IV SE	Kimaya Shelar, Rajendra Patole
5	Sat, 20 th Nov 2021	12:30 pm	SY IT Sem IV CGA	Madhavi Amondkar, Rohini Gaikwad
6	Sat, 27 th Nov 2021	10:00 am	TY IT Sem VI SQA	Seema Vishwakarma, Janhavi Vadke
7	Sat, 27 th Nov 2021	10:45 am	TY IT Sem VI SC	Shobha Nalavade, Prachi Mahajan
8	Sat, 27 th Nov 2021	11:15 am	TY IT Sem VI BI	Hrishikesh Tendulkar, Sanjeela Sagar
9	Sat, 27 th Nov 2021	12:00 noon	TY IT Sem VI PGIS	Pushpa Mahapatro, Ujwala Sav
10	Sat, 27 th Nov 2021	12:30 pm	TY IT Sem VI ITSM	Mithila Satam, Bhavesh Shah

Kindly Note:

1. Updated AAP of SY to be sent to cluster mentors on or before 18th Nov 2021 and TY before 22nd Nov 2021.
2. AAP PPT to be prepared for presentation.
3. BSA to be planned and approved during AAP presentation.

AAP Workshop PPT:

Academic Administration Plan(AAP) Presentation

Networking and Systems Cluster

VSIT | Vidyalankar School of Information Technology

1

★

Welcome to our Presentation

2

Welcome

Software Project Management

AAP PPT SPM for Presentation:

Academic Administration Plan
Operating Systems – Sem. 1
Ms. Seema Vishwakarma, Ms. Madhuri Amordkar

1

Course Objectives

Cognitive	What do you want students to know?	Learn about processes and threads; learn about scheduler; to know the mechanisms involved in memory management in contemporary OS
Affective	What do you want students to think/care about?	Get a thorough understanding of operating systems, difference between the functionality of different operating systems.
Behavioral	What do you want students to be able to do?	handle Operating Systems easily, installation of software packages and different operating systems

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2

Teaching and Examination Scheme

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

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/ Practical	Tutorial	Total
USIT 501	Software Project Management	75	50	-	2	2	-	4

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Teaching and Examination Scheme

Examination Scheme							
Theory Marks (IA Test)			End Sem. Exam Marks	TW	Practical	Oral	Total
IA 1	IA 2	Average of IA1 and IA2 Scaled to 15 + 10 Class Participation					
30	20		75	25	-	-	100

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Syllabus : Module Wise Teaching Hours and % Weightage

Module No.	Module Title and Brief Details	Teaching Hrs. for each module	% Weightage in University Question Papers
1	Introduction, Processes and Threads	10 lectures X 60 minutes	20
2	Memory Management, File Systems	7 lectures X 60 minutes	20
3	Input-Output, Deadlocks	8 lectures X 60 minutes	20
4	Virtualization and Cloud	8 lectures X 60 minutes	20
5	Multiple Processor Systems Case Study on LINUX and ANDROID Case Study on Windows	7 lectures X 60 minutes	20
		40 lectures x 60 minutes	100

8

Prerequisite Courses

No.	Semester	Name of the Course	Topic/s
1			

Relevance to Future Courses

No.	Semester	Name of the Course
1	B.Sc. IT Sem IV	Introduction to Embedded systems
	B.Sc. IT Sem V	Linux Administration
	M.Sc. IT Sem I	Cloud Computing
	M.Sc. IT Sem IV	Server Virtualization on VMWare Platform

9

Past Results – Division-Wise Result Based Analysis

Details		Target	Nov 2020	Nov 2019	Nov 2018	Nov 2017	Nov 2016					
Course Passing % – Average of 5 Divisions		100	98.88	94.50	91.53	83.64	78.44					
Marks Obtained by Course Toppers (mark/100)		100	100	99	97	92	89					
		Division A	Division B	Division C	Division D	Division E	Division F					
Year	Teacher	% Result	Teacher	% Result	Teacher	% Result	Teacher	% Result	Teacher	% Result	Teacher	% Result
Nov 2020	SV/MA	100	SV/MA	98.28	SV/MA	98.33	SV/MA	98.31	SV/MA	91.48	AR	100
Topics which affect results negatively		Module Number	Recommendations to overcome these issues & improve result in future									
Case studies on OS		Unit 5	Comparison of processes and memory management in Linux and windows, Unit 5 can be covered simultaneously with the first four units.									
Principles of hardware and software		Unit 3	Videos to be shown, Comparison of any OS from real world									

All the Learning Resources – Books and E-Resources

List of Text Books

Sl. No.	Text Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Operating System Concepts	Dr. Srinivas Pant	Nirali Prakashan	2nd	1,2,3

List of Reference Books

Sl. No.	Reference Book Titles	Author/s	Publisher	Edition	Module Nos.
1	Modern Operating Systems	Andrew S. Tanenbaum	Prentice Hall	4th	All units
2	Operating System Concepts	Abraham Silberschatz, Peter B. Galvin, Gagne	Wiley	8th	Unit 2, Unit 3
3	Operating System: Internals and Design Principles	William Stallings	Prentice Hall	8th	Unit 3
4	Operating Systems: Goals and Methods	Goodale and Kurata	McGraw Hill	3rd	All units

Networking and Systems Cluster

Date and Time: 14-06-21 2:00 p.m. to 5:00 p.m.

Cluster In-charge: Ms. Pushpa Mahapatro

Attendees:

(Total 30)

Asif R, Dr. Sarika C, Amraja Shivkar, Ashwini Koyande, Bhavesh S, Dr Amita Jain, Geeta Sahu, Janhavi Vadke, Ketaki Ghawali, Kimaya Shelar, Laxmikant Manchekar, Leena Jadhav, Madhavi Amondkar, Maitreyi Joglekar, Mithila Chavan, Pallavi Tawde, Payal Shah, Prabal Das, Prachi Mahajan, Pushpa Mahapatro, Rohini Desai, Sabir Shaikh, Sanjeela Sagar, Seema Vishwakarma, Shajil Kumar, Spruha More, Ujwala Sav, Umesh Koyande

Courses:

1. SPM – Sem 5 (Pushpa M, Ujwala S)
2. AI – Sem 5 (Dr. Pallavi T, Sanjeela S)
3. LA – Sem 5 (Prachi M)
4. NGT – Sem 5 (Seema M, Spruha M)
5. CN – Sem 3 (Rajendra P, Mithila C)
6. OS – Sem 1 (Seema V, Madhavi A)

Recommendations or Suggestions for change

1. Software Project Management

Faculty: Pushpa Mahapatro and Ujwala Sav

- VAC to be defined as the trainings organized by VSIT (Trainer may be internal or external)
- MOOC to be defined as trainings organized by 3rd party example Spoken Tutorial, NPTEL, Coursera etc.
- Assignments can be made based on the project of the TY students
- Updating digital content and providing it to students on time.
- Devise new methods of generating papers from MCQ and conducting online test.

2. AI – Sem 5

Faculty: Dr. Pallavi Tawde and Sanjeela Sagar

- MCQs to be arranged in Excel format with difficulty level and unit-wise.
- Updating digital content and providing it to students on time. Prepare
- Devise new methods of generating papers from MCQ.

3. LA – Sem 5

Faculty: Prachi Mahajan

- Linux based project topics can be suggested to the project committee. Students should be motivated to read weblinks.
- Updating digital content and providing it to students on time. Prepare
- Devise new methods of generating papers from MCQ.

4. NGT – Sem 5

Faculty: Seema Murkar, Spruha More

- List of Project topics based on NGT/NoSQL DB
- Real life applications
- Take follow up of self-study topics.
- Updating digital content and providing it to students on time. Prepare
- Devise new methods of generating papers from MCQ.

5. CN – Sem 3

Faculty: Rajendra Patole, Mithila Chavan

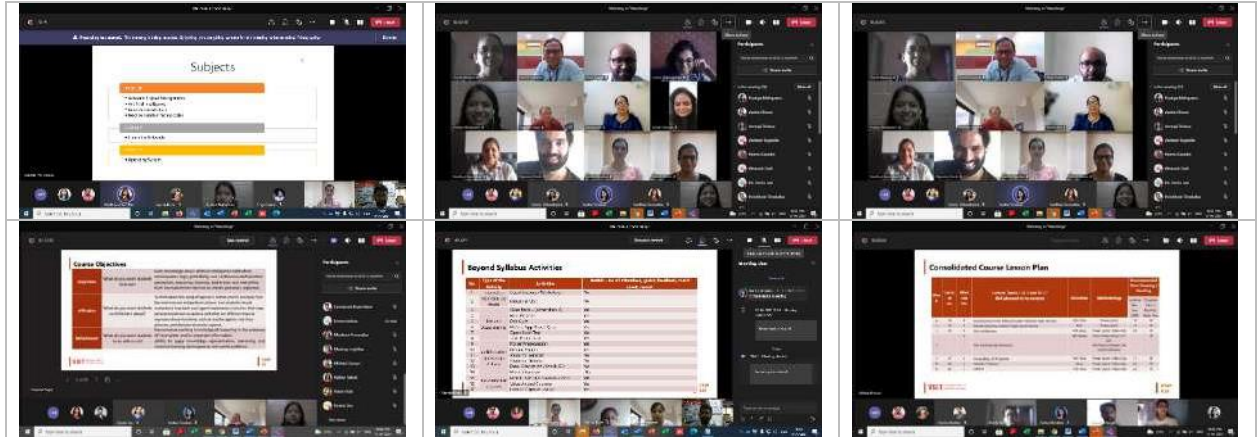
- Add animated videos to explain the concepts of networking. Implement actual hands-on if possible.
- Updating digital content and providing it to students on time. Prepare
- Devise new methods of generating papers from MCQ.

6. OS – Sem 1

(Seema V, Madhavi A)

- Map unit with weblinks.
- Minute paper activity to be conducted.

- Updating digital content and providing it to students on time.
- Devise new methods of generating papers from MCQ.
- Simulation can be used for demonstrating the topics.



Software Development Cluster

Date and Time: 15-06-21 2:00 p.m. to 5:00 p.m.

Cluster In-charge: Dr. Pallavi Tawde

Attendees:

(Total 33)

Asif R, Dr. Sarika C, Akshata J, Amraja Shivkar, Ashwini Koyande, Beena K, Bhavesh S, Dr Amita Jain, Geeta Sahu, Hrishikesh T, Janhavi Vadke, Ketaki Ghawali, Kimaya Shelar, Laxmikant Manchekar, Leena Jadhav, Madhavi Amondkar, Maitreyi Joglekar, Mithila Chavan, Pallavi Tawde, Payal Shah, Prabal Das, Prachi Mahajan, Pushpa Mahapatro, Rohini Desai, Sabir Shaikh, Sanjeela Sagar, Seema Vishwakarma, Shajil Kumar, Spruha More, Ujwala Sav, Umesh Koyande

Courses:

1. AWP - Sem 5 (Ketaki G, Sarika C)
2. EJ - Sem 5 (Payal S)
3. PP – Sem 3 (Amita J, Leena J)
4. DBMS - Sem 3 (Aasha C, Rohini D, Ashwini K)
5. DS - Sem 3 (Shajil K, Hrishikesh T, Kimaya S)
6. IP – Sem 1 (Janhavi V, Akshatha J)

Recommendations or Suggestions for change

1. Advance Web Programming

Faculty: Ketaki G, Sarika C

- Show Web debugging and application debugging.
- Ask students to Make reports of Web Application Review.
- Prepare students for Ecommerce website, Live meeting hosting, Ajax based website and Event broadcasting.
- Focus on service creation in practical.
- Include practical on Object oriented concept of C#.
- Give demo of Implementation of delegate and events in website.
- Add activities during practical's like, debugging the program, where students would interact.

2. Enterprise Java

Faculty: Payal S

- Conduct such MOOC courses which would be at least 8 weeks long course.
- Focus on service creation in practical.
- Add activities during practical's like, debugging the program, where students would interact.
- Add Website review of JSP in practical.
- Java based embedded system to cover.

3. Python Programming

Faculty: Amita J, Leena J

- Give more time by assigning more lectures for the topics Threads and Exception Handling.
- Do not give tough topic like user defined exceptions as self-study topics.
- Add topics with weblinks in AAP.
- Check student's enrollment for MOOC and VAC
- Add Continuous project evaluation.

4. Database Management System

Faculty: Aasha C, Rohini D, Ashwini K

- Take different examples for designing databases and take some practical's on them.
- Also let the students know about the current DBMS techniques like mongodb, hadoop etc.
- Enroll a greater number of students in MOOC.
- Add more real-life case studies.
- Arrange workshops for students and other organizations.

5. Data Structure

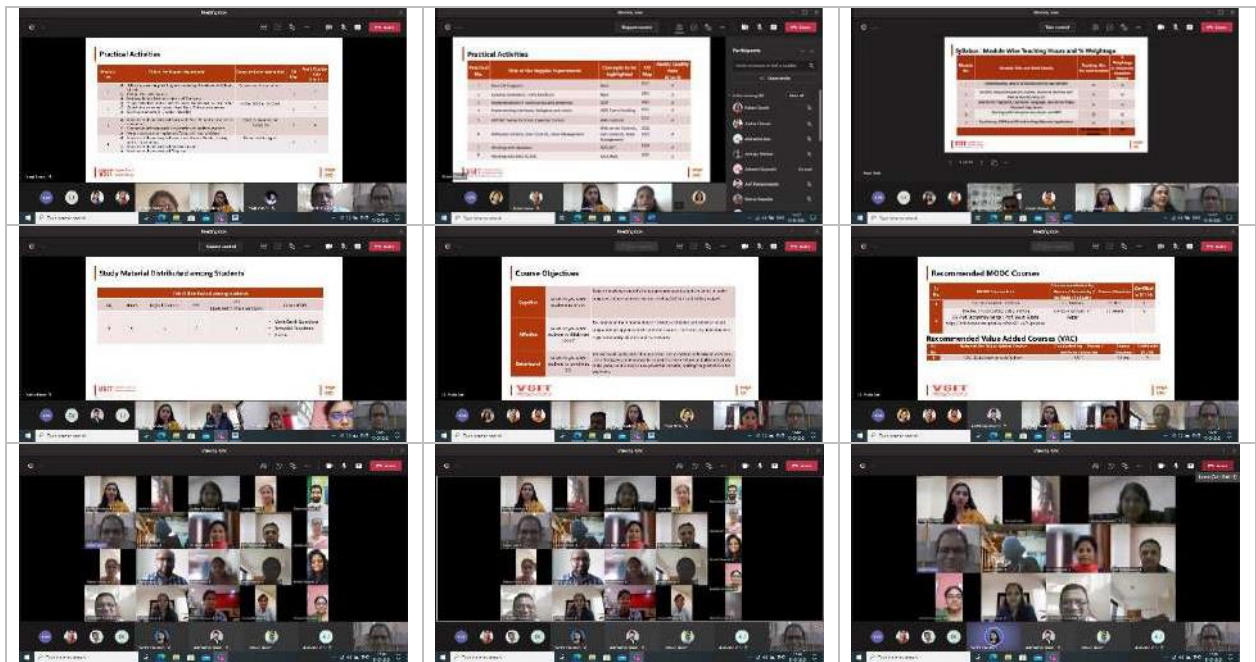
Faculty: Shajil K, Hrishikesh T, Kimaya S

- Add Coding while teaching theory online.
- Change Guest lecture to hands on training of Data Analysis.
- Topics from e-book to be mentioned based on the targeted students and take their feedback.
- Make all topics more interesting.

6. Imperative Programing

Faculty: Janhavi V, Akshatha J

- Include more programming oriented assignments. Train the students for developing research oriented applications.
- Add activities during practical's like, debugging the program, where students would interact.
- Provide Assignment answer format.
- Include activities for students like solve any 50 errors problem.



Electronics and Mathematics Cluster

Date and Time: 16-06-21 2:00 p.m. to 5:00 p.m.

Cluster In-charge: Mr. Umesh Koyande

Attendees:

(Total 32)

Asif R, Dr. Sarika C, Akshata J, Amraja Shivkar, Ashwini Koyande, Beena K, Bhavesh S, Dr Amita Jain, Geeta Sahu, Hrishikesh T, Janhavi Vadke, Ketaki Ghawali, Kimaya Shelar, Laxmikant Manchekar, Leena Jadhav, Madhavi Amondkar, Maitreyi Joglekar, Mithila Chavan, Pallavi Tawde, Payal Shah, Prabal Das, Prachi Mahajan, Pushpa Mahapatro, Rohini Desai, Sabir Shaikh, Sanjeela Sagar, Seema Vishwakarma, Shajil Kumar, Spruha More, Ujwala Sav, Umesh Koyande

Courses:

1. IOT – Sem 5 (Umesh K, Bhavesh S)
2. AM – Sem 3 (Geeta S, Sabir S)
3. DE – Sem 1 (Amraja S, Laxmikant M)
4. DM – Sem 1 (Prabal D, Maitreyi J)
5. CS – Sem 1 ()

Recommendations or Suggestions for change

1. Internet of Things

Faculty: Umesh K, Bhavesh S

- Identify few small duration MOOC courses.
- Need to identify VAC in consultation with ATS

2. Applied Mathematics

Faculty: Geeta S, Sabir S

- Give examples of image processing which uses Laplace transform.
- Linkage to future subject – Image Processing, M. Sc.IT part II
- Follow-up activities to be conducted based on the links (Journals and Magazines)
- Identify MOOCs from Udacity, edx and courses.

3. Digital Electronics

Faculty: Amraja S, Laxmikant M

- Remove Techmax publication from textbook category.
- Share weblinks after completion of that particular topic
- More number of videos to be created this year for DE.
- Add at least one BSA activity under "Interaction with outside world" category.

4. Discrete Mathematics

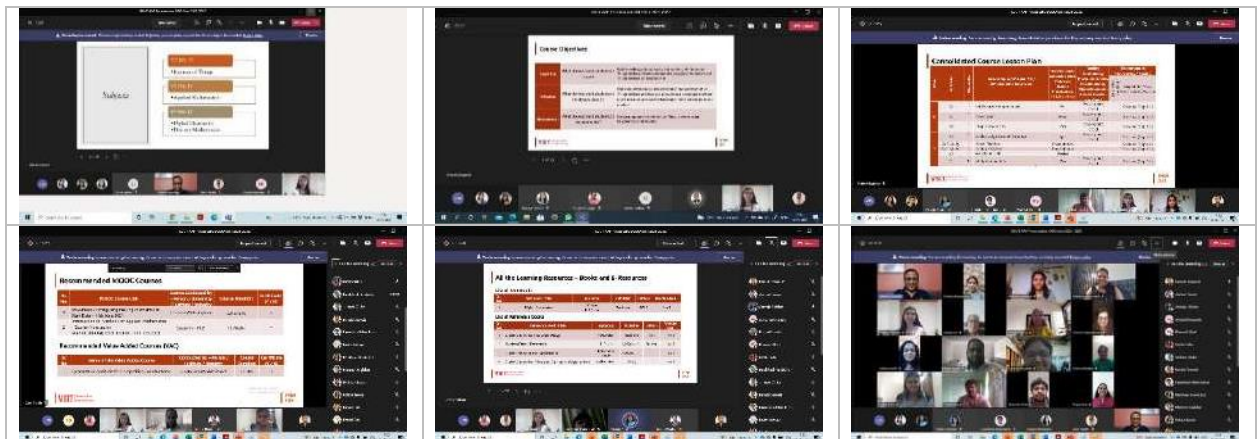
Faculty: Prabal D, Maitreyi J

- Need to identify self-study topics properly.
- Prabal and Maitreyi can contribute to VAC – Competitive Mathematics
- Future course – Artificial Intelligence
- Adding Assignments related to Logic and Predicates., as these topics are useful in further semesters.
- A session/meeting with higher semester teachers to understand relevance of discrete mathematics to the higher semester subjects such as AI, BI, Data Science.
- Appropriate examples related to each subject can be given while teaching the concepts of DM to correlate DM concepts with various technologies.

5. Communication Skills

Faculty:

-



AAP Suggestions:

AAP Suggestions for FYIT and DS					
Sr. No.	Day & Date	Subject	Presenters	Suggestions Given during AAP presentation	How it will be implemented and when?
1	Sat, 29 th Jan 2022	FY IT Sem II, OOP	Ashwini Koyande, Shajil Kumar		
2	Sat, 29 th Jan 2022	FY IT Sem II, MA	Laxmikant Manchekar, Amraja Shivkar	Use LCM model for teaching	We will share links of journals and e-books as LxT(Learning Extensions) at the end of the session
3	Sat, 29 th Jan 2022	FY IT Sem II, WP	Pallavi Tawde, Sarika Chouhan		
4	Sat, 29 th Jan 2022	FY IT Sem II, NSM	Aasha Vanve, Prabal Das	1. Excel to be used for some topics. 2. Self study topic to be written in between not at the end. 3. MOOC's to be discussed with the students	It will be implemented in AAP
5	Sat, 29 th Jan 2022	FY IT Sem II, GC	Madhavi A, Akshatha Jain	1.To include internships as a part of project work. 2. To include LMS no	It will be implemented in AAP
6	Sat, 29 th Jan 2022	FY DS Sem II, Probability & Distribution	Sabir Shaikh		
7	Sat, 29 th Jan 2022	FY DS Sem II, Database Management	Aasha Vanve	1. Course Passing Value to be changed. 2. Updation in the activities to be conducted. 3. PBL experiments to be added.	It will be updated in AAP

AAP Suggestions for SY and TYIT					
Sr. No	Day & Date	Subject	Presenters	Suggestions Given during AAP presentation	How it will be implemented and when?
1	Sat, 20 th Nov 2021	SY IT Sem IV CJ	Ketaki Ghawali, Seema Bhatkar	1. Introduce the latest version of Java to students 2. Include workshop for hackerrank platform 3. Activities to be included for Self Study Topics	String Class, Switch Case, Text Block topics will be covered as per JAVA 17 , hackerrank workshop - 3 rd week of december ,
2	Sat, 20 th Nov 2021	SY IT Sem IV IES	Sabir Shaikh, Umesh Koyande	1.To add future reference with AI.	It will be implemented in AAP
3	Sat, 20 th Nov 2021	SY IT Sem IV COST	Geeta Sahu, Maitreyi Joglekar	1. Value added course based on "Statistics in data analytics" to be conducted. 2. Group activity- Research paper review/presentation of any real life applications of statistics. 3. Mini project/case study/report review based on Applications of statistics	Value added course can be conducted in the Month of January

4	Sat, 20 th Nov 2021	SY IT Sem IV SE	Kimaya Shelar, Rajendra Patole	<ol style="list-style-type: none"> 1.Add more real life examples. 2.Make use of software for preparing Gantt chart. 3.For Client-server computing, use GPS based applications for demonstration. 4.Describe paper pattern in Internal Assessment slide. 	It will be implemented in AAP
5	Sat, 20 th Nov 2021	SY IT Sem IV CGA	Madhavi Amondkar, Rohini Gaikwad	<ol style="list-style-type: none"> 1. Video/live/Simulator Demonstration should be shown in case of difficult topics. 2. Use more online graphics tools. 3. Change newly added experiment. 	YT videos to be shown, demonstration using Word document.
6	Sat, 27 th Nov 2021	TY IT Sem VI SQA	Seema Vishwakarma, Janhavi Vadke	<ol style="list-style-type: none"> 1. Need to add practical's 2. Made it more practical subject 3. Remove minute paper activity 	Changes to be done in AAP as per suggestions

7	Sat, 27 th Nov 2021	TY IT Sem VI SC	Shobha Nalavade, Prachi Mahajan	Have one activity where students can make use of journal and magazine link for research .	Added one activity where so that student refer the journal and implement it
8	Sat, 27 th Nov 2021	TY IT Sem VI BI	Hrishikesh Tendulkar, Sanjeela Sagar	<ol style="list-style-type: none"> 1.Course outcome should be well defined. 2. Textbooks need to be added 3.Use proper terminology for activities 4.Must have newly added practical 	Changes to be done in AAP as per suggestions

9	Sat, 27 th Nov 2021	TY IT Sem VI PGIS	Pushpa Mahapatro, Ujwala Sav	1. Take care of practical count. 2. Condcution of Guest lecture from Heremaps. 3. Plan visit of GIS centre of Somaiya.	Practical count changed, Guest lect from Heremaps, IV Planned
10	Sat, 27 th Nov 2021	TY IT Sem VI ITSM	Mithila Satam, Bhavesh Shah	1. Lecture number need to write in AAP. 2.Book number was not there in TLP. 3.Mobile app-based quiz name needs to change.	Changes to be done in AAP as per suggestions

5. Subject Induction

Date: 15/09/2021

Schedule for FYBSc IT – A Induction of Semester I

This is to inform all FYBSc IT – A Semester I students, that Induction has been planned from Saturday 18th September to Saturday 25th September, 2020.

General Instructions to Students:

- Kindly download the MSTeams desktop or mobile app
- MS Teams can be downloaded from <http://teams.microsoft.com>

Schedule is as given below for Course FYBSc IT - A

Course: FYBSc IT - A							
Date & Time	Saturday, 18/09/2021	Monday, 20/09/2021	Tuesday, 21/09/2021	Wednesday, 22/09/2021	Thursday, 23/09/2021	Friday, 24/09/2021	Saturday, 25/09/2021
10.00 a.m. to 11.00 a.m.	Guest Lectures Topic: Time management	Online Communication Channels	Know your Institute & Department	Nurturing Creativity & Intuitive Awareness	Know Your Classmates	Induction of Discrete Mathematics	Library Induction
11.15 a.m. to 12.15 p.m.	Shanivar Manch	Induction of Imperative Programming	Induction of Digital Electronics	Induction of Operating Systems	Induction of Communication Skills	Know your Seniors	Panel Discussion on Recent Trends in Information Technology


CAO


Vice-Principal


Principal

Semester Induction

1 Welcome

2 Skillset Required

3 Knowledge Map

4 Our Team

5 Our Team

6 Our Team

7 Year in-charge and Class Teachers

8 Beyond Syllabus Activities

9 Subject Office Hours

10 Continuous Evaluation

11 Week-Wise Assessment

12 Internal Complaint Committee

13 Thank you

Subject Induction:



1

00:15



2



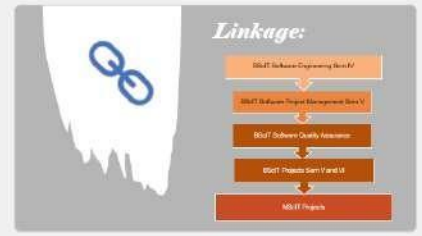
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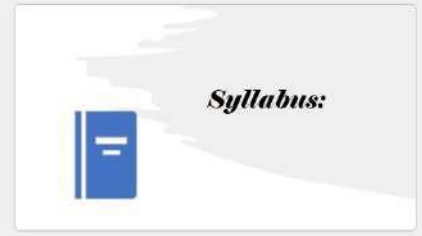
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8



9



13



14



15



Examination:

Exam	Weightage
Theory	75
Internal	25
Practical	60



How will you learn more?

- Learning each concept with practical applications
- Drawing PERT/CPM for your project
- Cost Estimation for real life applications
- Finding SDLC model appropriate for your project

Practical

In semester 5, the project will get evaluated On

- requirement
- Analysis
- Design

Project Ideas

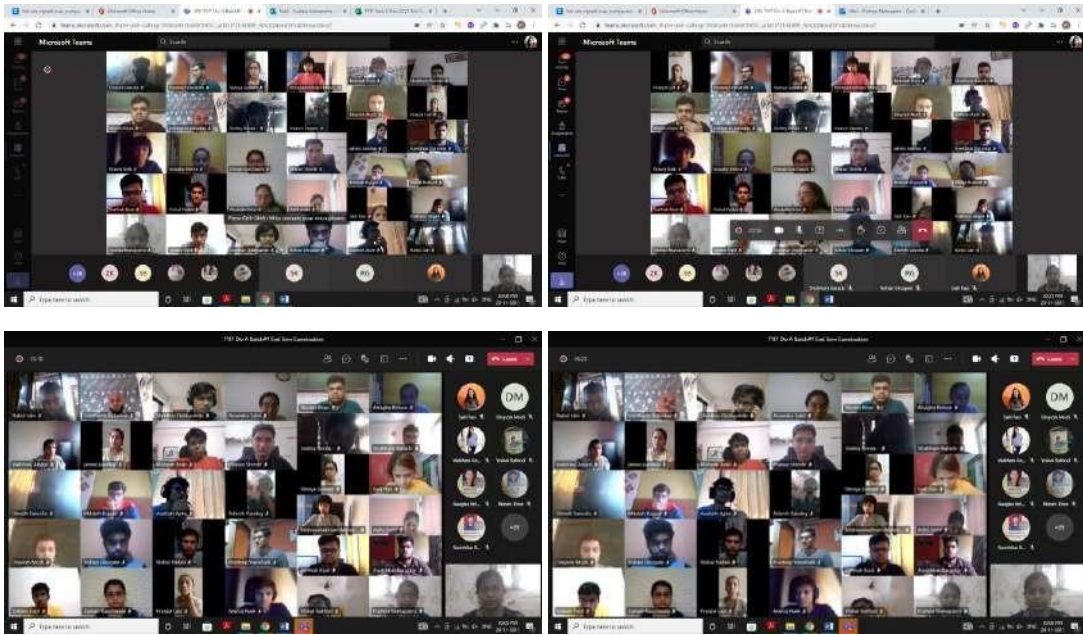


Thank you

Subject Induction Report:

Lecture Attendance

	A	B	C	D
1	Full Name	User Actio	Timestamp	
2	Pushpa Mahapatro	Joined	6/23/2021, 8:59:28 AM	
3	Rohan Ghogale	Joined	6/23/2021, 8:59:33 AM	
4	Adarsh Pandey	Joined	6/23/2021, 8:59:33 AM	
5	Pranjal Lad	Joined	6/23/2021, 8:59:33 AM	
6	Mitsinh Rajput	Joined	6/23/2021, 8:59:33 AM	
7	Nikita Thamme	Joined	6/23/2021, 8:59:33 AM	
8	Vishal Rathod	Joined	6/23/2021, 8:59:33 AM	
9	Anagha Belose	Joined	6/23/2021, 8:59:33 AM	
10	Smiley Bersia -	Joined	6/23/2021, 8:59:33 AM	
11	Jahnvi Natekar	Joined	6/23/2021, 8:59:33 AM	
12	Jagdish Singh	Joined	6/23/2021, 8:59:34 AM	
13	Pradeep Vanahalli	Joined	6/23/2021, 8:59:34 AM	
14	Sarthak Raut	Joined	6/23/2021, 8:59:34 AM	
15	Aditi Joshi	Joined	6/23/2021, 8:59:34 AM	
16	Aashish Apte	Joined	6/23/2021, 8:59:36 AM	
17	Prathamesh Hindalekar	Joined	6/23/2021, 8:59:43 AM	
18	Shreya Sawant	Joined	6/23/2021, 8:59:49 AM	
19	Wasim Khan	Joined	6/23/2021, 8:59:51 AM	
20	Tabish Ukaye	Joined	6/23/2021, 9:00:13 AM	
21	Vighnesh Phadtare	Joined	6/23/2021, 9:00:20 AM	
22	Karneshwar Jha	Joined	6/23/2021, 9:00:27 AM	
23	Sakshi Salunkhe	Joined	6/23/2021, 9:00:29 AM	
24	Sufiya Shaikh	Joined	6/23/2021, 9:00:44 AM	
25	Rahul Gogawale	Joined	6/23/2021, 9:00:44 AM	
26	Dinesh Saivolla	Joined	6/23/2021, 9:00:44 AM	
27	Nisha Ambekar	Joined	6/23/2021, 9:00:46 AM	
28	Tarun Tirmal	Joined	6/23/2021, 9:00:49 AM	
29	Prem Sai Ardhi	Joined	6/23/2021, 9:00:58 AM	



Lesson Plan #1

Lecture Number:	1	Teacher/s:	Pushpa Mahapatro & Ujwala Sav
Subject/Course:	Software Project Management/ BScIT		
Topic	Induction of Software Project Management		
Lesson Title:	Basic Idea of the Subject, Its Applications, Scope, Teachers, Linkage, Job Opportunities, Syllabus, References, Practical		
Class:	TYIT	Lesson Duration:	1 Hour

Lesson Objectives

To introduce the subject.

Summary of Tasks / Actions:

5 mins	Introduction to Software Project Management
10 mins	Subtopic #1: Basic Idea of the Subject, Its Applications
5 mins	Activity #1 details: Video demonstration
10 mins	Subtopic 2: Scope, Teachers, Linkage
5 mins	Activity #2 details (Quiz using MS Forms)
10 mins	Subtopic 3: Job Opportunities, Syllabus, References, Practical Applications

5 mins	Activity #3 details (Viva using Chat Box on MS Teams)
5 mins	Summary of Session, Take Home Assignment
5 mins	Preview of Next Session

Materials / Equipment:

Powerpoint Presentation: , Video, **Quiz** using Microsoft Forms, **Viva** using Chat Box on MS Teams

Lecture link: <https://tinyurl.com/yc5egemd>

Link of **Quiz** using Microsoft Forms: <https://tinyurl.com/y99ps4c9>

How many Process Models you have learnt? 5, 6, 7, more than 7

Can we implement waterfall Model for Software Projects? Yes No

Poll link: <https://bit.ly/37DQmeJ>

Responses:

https://forms.office.com/Pages/DesignPage.aspx?origin=shell#Analysis=true&FormId=LKs7Hkn_bE2CelAX5v2FnBMFAGYTIk1NmrAAyzxNiApUN1FVNU8yNIUyMIM3TDhaUUJITjTQVI4QS4u

Feedback link: <https://bit.ly/tyitfeedbk>

AAP Compliance Link: <https://bit.ly/DITAAP>

Viva Questions: Q1. What kind of job opportunities will be available? Q2. What is the name of reference book?

References:

Reference Book: Software Project Management by Bob Hughes and Mike Cotterell, Rajib Mall, MGH, 6th, Chapter 1

What is the Software Project Management? <https://www.youtube.com/watch?v=Jk-JwtScIIw&t=73s>

Take Home Tasks:

What is Project? What are advantages Software Project Management?

Induction Report

Subject: Database Management

Day and Date: Saturday, 31st January 2022

Time: 10.15 am to 11.15 am

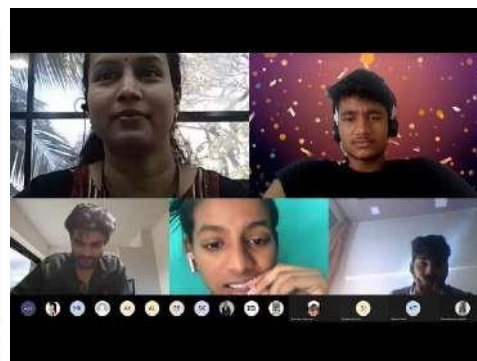
Target Audience: FYDS Students

Attendance: 50

Video Link: <https://bit.ly/3oBjUUf>

The session was about the introduction of the subject DBM. Entire session went very well. Student's participation was very good.

Glimpses of the Activity:



6. Bridge Course

NOTICE

Date: 20th September 2021.

Electronics and Mathematics cluster of VSIT is organizing online bridge course on “**Digital Electronics**” for the first year B.Sc. IT students. Details of the course are given below.

Course Name: Number Systems and K-Maps

Speakers: Ms. Amraja S. and Mr. Laxmikant M.

Proposed Details of events are as follows: -

Objective	7. Students from Science as well as Commerce background take admission to BSc IT. Few concepts are already covered in 12 th for science students. The aim of this session is to discuss basic concepts of Digital Electronics and bridge the gap between Science and Commerce. This course will also help science background students to brush up the concepts and learn few tricks and techniques to solve a problem more quickly.	
Target Audience	F.Y. B.Sc. IT students (Compulsory for commerce background students)	
Date	Time	Topics
Day 1 21-9-2021	1:00 PM - 2:30 PM	Introduction to Digital Electronics Difference between Analog and Digital Electronics Application of Digital Electronics
Day 2 22-9-2021	1:00 PM - 2:30 PM	Important Concepts in Digital Electronics Basic Number system Relation between number systems
Day 3 23-9-2021	1:00 PM - 2:30 PM	Logic gates operation Logic gates symbol, truth table Introduction to Basic Boolean functions
Day 4 24-9-2021	1:00 PM - 2:30 PM	Introduction to K-Map Construction of K-Map Simplification using K-Map

Link for Registration:

<https://forms.office.com/r/VDQC9uiYYE>

Link for WhatsApp Group:

<https://tinyurl.com/yv5xdfwa>

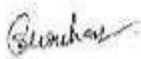
Link for Sessions of the Course:

https://bit.ly/DE_Bridge_Course

Attendance Notice:

FYBSc IT Semester - I Attendance Record
Duration: 15th Sept to 29th Oct 2021
(Student's List with more than 75 % Attendance)
Division – FYBScIT A

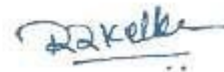
Sr.No.	Roll No	Name	Attendance %
1	21302A0004	Kinjal Koli	85
2	21302A0005	Shravni Tawde	76
3	21302A0007	Snehal Salgude	83
4	21302A0008	Romulus Darwin -	82
5	21302A0009	Tanmay Sawant	84
6	21302A0011	Rohit Alu	92
7	21302A0015	Sarvesh Sawant	91
8	21302A0018	Shruti Sakpal	91
9	21302A0019	Vipul Bhilare	90
10	21302A0020	Akshay More	92
11	21302A0021	Kavish -	88
12	21302A0022	Darshan Katkam	90
13	21302A0024	Jayeshkumar Gupta	89
14	21302A0025	Hariom Pal	88
15	21302A0026	Mubashhira Khan	92
16	21302A0027	Siddhant Naik	88
17	21302A0028	Ramprasad Manna	80
18	21302A0029	Shruti Maity	78
19	21302A0030	Nida Ansari	86
20	21302A0031	Aditi Gojollu	82
21	21302A0032	Mohammed Shaikh	77
22	21302A0033	Muhammad Husain Hemani	89
23	21302A0034	Pawan Vangari	92
24	21302A0035	Vamshi Vangari	88
25	21302A0037	Ruchira Itte	89
26	21302A0038	Premsai Konduka	88
27	21302A0039	Shravani Dhaktode	83
28	21302A0040	Janhvi Suthar	75
29	21302A0042	Prashant Yadav	79
30	21302A0043	Uma Basani	85
31	21302A0045	Mohit Kumar	78
32	21302A0046	Varun Tambadkar	85
33	21302A0048	Advait Rane	80
34	21302A0051	Aniket Singh	92
35	21302A0052	Manas Chaurasia	78
36	21302A0053	Sonu Kahar	81



CAO



Vice-Principal

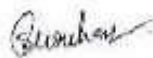


Principal

FYBSc IT Semester - I Attendance Record
Duration: 15th Sept to 29th Oct 2021
(Student's List with more than 75 % Attendance)

Division – FYBScIT B

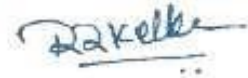
Sr.No.	Roll No	Name	Attendance %
1	21302B0002	Harsh Padaya	88
2	21302B0003	Raj Adhikari	77
3	21302B0004	Huzefa Khan	84
4	21302B0005	Ayush Choubey	87
5	21302B0009	Arjun Shinde	88
6	21302B0011	Aditya Salunkhe	83
7	21302B0012	Divya Chauhan	80
8	21302B0015	Shravani Indulkar	76
9	21302B0016	Aniket Ambala	89
10	21302B0022	Shubham Dinda	91
11	21302B0025	Tarun Gudla	87
12	21302B0027	Tanvish Rane	93
13	21302B0028	Aryan Yadav	77
14	21302B0029	Atharv Satkar	90
15	21302B0030	Kaif Shaikh	78
16	21302B0034	Keerthan Gubbala	79
17	21302B0036	Kaustubh Borkar	88
18	21302B0039	Maithili Bhogale	87
19	21302B0040	Namrata Patil	89
20	21302B0043	Mohammed Amaan Shemle	76
21	21302B0047	Anuradha Bhilare	88
22	21302B0048	Sujal Joshi	89
23	21302B0049	Farman Kazi	78
24	21302B0051	Siddhesh Bhambay	82
25	21302B0054	Waman Denge	84
26	21302B0055	Avaish Khan	81



CAO



Vice-Principal

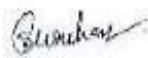


Principal

FYBSc IT Semester - I Attendance Record
Duration: 15th Sept to 29th Oct 2021
(Student's List with more than 75 % Attendance)

Division – FYBScIT C

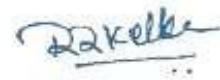
Sr.No.	Roll No	Name	Attendance %
1	21302C0001	Sudhansu Giri	79
2	21302C0005	Diksha Parab	78
3	21302C0006	Pawan Kumar Jaiswar	78
4	21302C0007	Abhishek Gole	79
5	21302C0008	Atharva Lad	80
6	21302C0010	Vaishnavi Chenna	85
7	21302C0012	Srikanth Siddabattula	79
8	21302C0013	Devendra Siddabattula	83
9	21302C0016	Eshwari Ghavare	82
10	21302C0017	Santosh Potti	84
11	21302C0019	Satvik Bhojane	75
12	21302C0024	Rutvik Nikalje	84
13	21302C0032	Vedang Nijap	77
14	21302C0036	Harish Prajapati	83
15	21302C0038	Deepak Erati	81
16	21302C0041	Omkar Solaskar	77
17	21302C0044	Tarang Patel	84
18	21302C0046	Shubham Wadekar	78
19	21302C0047	Om Malandkar	77
20	21302C0049	Riya Kadam	78



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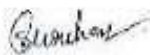


Principal

FYBSc IT Semester - I Attendance Record
Duration: 15th Sept to 29th Oct 2021
(Student's List with more than 75 % Attendance)

Division – FYBScIT D

Sr.No.	Roll No	Name	Attendance %
1	21302D0004	Nitish Methari	86
2	21302D0008	Ashish Yadav	79
3	21302D0010	SahebSingh Isher	86
4	21302D0012	Sweety Daniel	80
5	21302D0013	Siddhesh Talawdekar	85
6	21302D0015	Swati Mishra	84
7	21302D0017	Nupur Nakhawa	77
8	21302D0020	Avantika Jadhav	79
9	21302D0022	Lokesh Sirimalla	77



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Principal

FYBSc IT Semester - I Attendance Record
Duration: 15th Sept to 29th Oct 2021
(Defaulter List with Less than 25 % Attendance)

Division – FYBScIT A

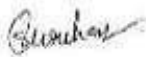
Sr	Roll	Name	Percentage of Attendance
1	21302A0001	Avdhut Bashte	9
2	21302A0006	Latikesh Kelkar	2

Division – FYBScIT B

Sr	Roll	Name	Percentage of Attendance
1	21302B0020	Sarvesh Chavan	9
2	21302B0024	Alok Gupta	17

Division – FYBScIT F

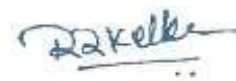
Sr	Roll	Name	Percentage of Attendance
1	21302F0036	Ananya Pawar	21
2	21302F0037	Om Kharade	12
3	21302F0038	Kevin Mathew	12



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Vice-Principal



Principal

7. Internal Assessment

Mid Term Time table:

VSIT Vidyalankar School of Information Technology	Dept. of Information Technology
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Date: 29 October 2021

Notice for IA1 for FYBSc IT Sem I

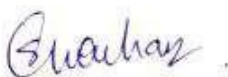
This is to inform all students of FYBSc IT Semester I that Online IA1 will be conducted from Monday 22nd November 2021 to Friday 26th November 2021 over MS Teams from 3.00 p.m. to 4.00 p.m.

Timetable for IA1

Day	Date	Time	Subject
Monday	22/11/2021	3.00 p.m. to 4.00 p.m.	Imperative Programming
Tuesday	23/11/2021	3.00 p.m. to 4.00 p.m.	Digital Electronics
Wednesday	24/11/2021	3.00 p.m. to 4.00 p.m.	Operating Systems
Thursday	25/11/2021	3.00 p.m. to 4.00 p.m.	Discrete Mathematics
Friday	26/11/2021	3.00 p.m. to 4.00 p.m.	Communication Skills

Instructions to students:

- IA1 will be MCQ based and will contain 30 questions of 1 mark each.
- All questions will be compulsory.
- IA1 will be based on Units 1 and 2 of every subject.
- Marks of IA1 will be counted towards your Internal Marks.
- IA1 question paper will appear as Quiz in the GENERAL channel at 3.00 p.m. and will close automatically at 4.00 p.m.
- Only ONE ATTEMPT is allowed per student in a subject.
- Student must submit answers before 4.00 p.m. There is NO AUTO-SUBMISSION of answers.
- Extension of time deadline / Late submissions / Mailing of assignment will not be allowed.
- You will find a recurring meeting link for IA1 in the GENERAL channel of your own team. Same link to be used on all days for IA1.
- Join your link FIFTEEN minutes prior to the scheduled time.
- It is mandatory to join the meeting to attempt the exam.
- Any student who is absent for the meeting will be marked as ABSENT and NO MARKS will be allotted to him.
- During the assessment, switch on your camera and type your complete Roll no and full name in the chat box. Keep yourself on mute. Camera should be kept ON throughout the exam.


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Vidyalankar School of
Information Technology

Dept. of Information Technology

Date: 29 October 2021

Notice for IA3 for FYBSc Data Science Sem I

This is to inform all students of FYBSc Data Science Semester I that Online IA3 will be conducted from Monday 22nd November 2021 to Friday 26th November 2021 over MS Teams from 3:00 p.m. to 4:00 p.m.

Timetable for IA3

Day	Date	Time	Subject
Monday	22/11/2021	3:00 p.m. to 4:00 p.m.	Descriptive Statistics
Tuesday	23/11/2021	3:00 p.m. to 4:00 p.m.	Introduction to Programming
Wednesday	24/11/2021	3:00 p.m. to 4:00 p.m.	Web Technology
Thursday	25/11/2021	3:00 p.m. to 4:00 p.m.	Business Communication and Information Ethics
Friday	26/11/2021	3:00 p.m. to 4:00 p.m.	Practicals

INSTRUCTIONS TO STUDENTS:

- IA3 will be MCQ-based and will contain 30 questions of 4 mark each.
- All questions will be compulsory.
- IA3 will be based on Units 1 and 2 of every subject.
- Marks of IA3 will be counted towards your Internal Marks.
- IA3 question paper will appear as Quiz in the GENERAL channel at 3:00 p.m. and will close automatically at 4:00 p.m.
- Only ONE ATTEMPT is allowed per student in a subject.
- Students must submit answers before 4:00 p.m. There is NO AUTO-SUBMISSION of answers.
- Extension of time deadline / late submissions / Stalling of assignment will not be allowed.
- You will find a recurring meeting link for IA3 in the GENERAL channel of your own team. Same link to be used on all days for IA3.
- Join your link FIFTEEN minutes prior to the scheduled time.
- It is mandatory to join the meeting to attempt the exam.
- Any student who is absent for the meeting will be marked as ABSENT and NO MARKS will be placed to him.
- During the assessment, switch on your camera and type your complete Roll no and full name in the chat box. Keep yourself on mute. Camera should be kept ON throughout the exam.

Vice Principal

Principal

1 of 1

Page Break

Notice for Repeat Internal Assessment

Date: 22nd December, 2021**Notice for Repeat IA for FYBSc IT Sem I**

This is to inform all students of FYBSc IT Semester I that Online Repeat IA will be conducted from Tuesday 4th January 2022 to Saturday 8th January 2022 over MS Teams from 11.00 a.m. to 12.00 p.m. Students who are eligible to appear Repeat IA will be informed by FYBSc IT Year InCharge.

Timetable for Repeat IA

Day	Date	Time	Subject
Tuesday	4/01/2022	11.00 a.m. to 12.00 p.m.	Imperative Programming
Wednesday	5/01/2022		Digital Electronics
Thursday	6/01/2022		Operating Systems
Friday	7/01/2022		Discrete Mathematics
Saturday	8/01/2022		Communication Skills

Instructions to students:

- Repeat IA will be MCQ based and will contain 30 questions of 1 mark each.
- All questions will be compulsory.
- Repeat IA will be based on Units 1 and 2 of every subject.
- Marks of Repeat IA will be counted towards your Internal Marks.
- Repeat IA question paper will appear as Quiz in the GENERAL channel at 11.00 a.m. and will close automatically at 12.00 p.m.
- Only ONE ATTEMPT is allowed per student in a subject.
- Student must submit answers before 12.00 p.m. There is NO AUTO-SUBMISSION of answers.
- Extension of time deadline / Late submissions / Mailing of assignment will not be allowed.
- You will find a Meeting link for Repeat IA in the GENERAL channel of your own team. Same link to be used on all days for IA.
- Join your link FIFTEEN minutes prior to the scheduled time.
- It is mandatory to join the meeting to attempt the exam.
- Any student who is absent for the meeting will be marked as ABSENT and NO MARKS will be allotted to him.
- During the assessment, switch on your camera and type your complete Roll no and full name in the chat box. Keep yourself on mute. Camera should be kept ON throughout the exam.



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Dept. of Information Technology

Date: 14 Oct 2021

Notice for Repeat IA2 for Students of SYBScIT Sem III

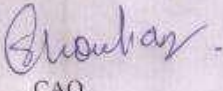
The students of SYBScIT Sem III who were absent for certain papers of Internal Assessment 2 (IA2) are informed that Repeat IA2 will be conducted Online over MS Teams from Monday 25 Oct 2021 to Friday 29 Oct 2021 as per the timetable given below. **All students should note that admission to Sem III and University registration for SYIT Sem III examination is mandatory for being able to appear for the Repeat IA2 and End semester examinations both.**


Timetable for IA2


Day	Date	Time	Subject
Monday	25 Oct 2021	2.30 p.m to 3.30 p.m	Python Programming
Tuesday	26 Oct 2021	2.30 p.m to 3.30 p.m	Data Structures
Wednesday	27 Oct 2021	2.30 p.m to 3.30 p.m	Computer Networks
Thursday	28 Oct 2021	2.30 p.m to 3.30 p.m	Database Management Systems
Friday	29 Oct 2021	2.30 p.m to 3.30 p.m	Applied Mathematics

Instructions to students:

- IA2 will be MCQ based and will contain **30 questions of 1 mark each**.
- All questions will be compulsory and will be **based on Units 3 and 4** of every subject.
- Marks of IA2 will be counted towards your Internal Marks.
- IA2 question paper will appear as Quiz in the GENERAL channel at 2.30 p.m. and will close automatically at 3.30 p.m.
- Only ONE ATTEMPT** is allowed per student in a subject.
- Student must **submit answers before 3.30 p.m.** There is **NO AUTO-SUBMISSION** of answers.
- Extension of time deadline / Late submissions / Mailing of assignment will not be allowed.**
- All students should **ensure good network connectivity**.
- Meeting link will be created per subject. It will be posted in the General channel of your division Team.**
- Join the meeting link **FIFTEEN** minutes prior to the scheduled time.
- It is mandatory to join the meeting to attempt the exam.
- During the assessment, switch on your camera and type your complete Roll no and full name in the chat box. Keep yourself on mute. Camera should be kept ON throughout the exam.


 CAO


 Vice Principal


 Principal

Examination Time Table

Date: 30/01/2021

B.Sc. (IT) Semester II Midterm Examination
to be held in February 2021

Day	Date	Time	Subject
Saturday	13/02/2021	10.00 am to 11.00 am	Object Oriented Programming
Monday	15/02/2021	10.00 am to 11.00 am	Microprocessor Architecture
Tuesday	16/02/2021	10.00 am to 11.00 am	Web Programming
Wednesday	17/02/2021	10.00 am to 11.00 am	Numerical & Statistical Methods
Thursday	18/02/2021	10.00 am to 11.00 am	Green Computing


I/C Exam Cell
Vice Principal
Principal

B.Sc. (I.T.) Semester IV Midterm Examination
to be held in February 2021

Day	Date	Time	Subject
Saturday	13/02/2021	12:00 noon to 1:00 pm	Core Java
Monday	15/02/2021	12:00 noon to 1:00 pm	Introduction to Embedded Systems
Tuesday	16/02/2021	12:00 noon to 1:00 pm	Computer Oriented Statistical Techniques
Wednesday	17/02/2021	12:00 noon to 1:00 pm	Software Engineering
Thursday	18/02/2021	12:00 noon to 1:00 pm	Computer Graphics and Animation


I/C Exam Cell


Vice Principal


Principal

Examination Time Table

Date: 30/01/2021

BSc IT Semester VI Midterm Examination
to be held in February 2021

Day	Date	Time	Subject
Saturday	13/02/2021	2:00 pm to 3:00 pm	Software Quality Assurance
Monday	15/02/2021	2:00 pm to 3:00 pm	Security in Computing
Tuesday	16/02/2021	2:00 pm to 3:00 pm	Business Intelligence
Wednesday	17/02/2021	2:00 pm to 3:00 pm	Principles of Geographic Information System
Thursday	18/02/2021	2:00 pm to 3:00 pm	IT Service Management

Muskar
I/C Exam Cell

A.R.
Vice Principal

Racell
Principal

Sample question paper

SPM Mid term 1 Paper:

VIDYALANKAR SCHOOL OF INFORMATION TECHNOLOGY

Date : /08 /2019

Midterm Examination (August 2019)

Time: 1:00 hr

T.Y.B.Sc.I.T. – SEM - V

Subject: Software Project Management

Marks: 20

Q1	Q2	Q3	Total

Instructions: (1) All Questions are compulsory.

Q1 Fill in the blanks. **[05]**

- (a) _____ is an important high level document that authorizes the starting of a project and use of the required resources. ½
- (b) _____ provides an overview of all the projects that an organization is undertaking and considering. ½
- (c) CBA is the acronym for _____ ½
- (d) Planning, Organizing, Staffing, Directing, Monitoring, Controlling, Innovating and Representing are the activities of _____ ½
- (e) _____ assesses whether a project is worth starting –that it has a valid business case. ½
- (f) _____ model breaks the application down into small components which are then implemented and delivered in sequence. ½
- (g) Artefacts of Scrum methodology are _____ ½

(h) Core values of Extreme Programming (XP) are _____ ½

(i) _____ is when one programmer does coding and other programmer review the code. ½

(j) In Scrum _____ represents the customer's perspective and guides the team towards building the right software. ½

Q2 Answer in one or two sentences **[5]**

(a) Who is Stakeholder of a project?

_____ 1

(b) What are the characteristics of Project?

_____ 1

(c) "Objectives should be SMART". What is the full form of SMART?

_____ 1

(d) What are the steps of Waterfall Model?

_____ 1

(e) What are Scrum Ceremonies? 1

Q3 Attempt any two**[10]**

- (a) Define Net Profit, Payback Period and Returns on Investment. Calculate these values for the following cash flow forecast of a project

Year	Cash-flow
0	-200,000
1	40,000
2	60,000
3	40,000
4	60,000
5	60,000

5

- (b) Give very brief description of all the phases of Project Management Life cycle and explain W5HH principle.

5

- (c) Discuss Capers Jones estimating rule of thumb.

5

- (d) What are the problems generally faced during effort estimation?

5**Mid Term paper Solution:****VIDYALANKAR SCHOOL OF INFORMATION TECHNOLOGY**

Date : /08 /2019

Midterm Examination (August 2019)

Time: 1:00 hr

T.Y.B.Sc.I.T. – SEM - V

Subject: Software Project Management

Marks: 20

Q1	Q2	Q3	Total
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Instructions: (1) All Questions are compulsory.

- Q1 Fill in the blanks.** **[05]**
- (a) **Project Charter** is an important high level document that authorizes the starting of a project and use of the required resources. ½
- (b) **Project Portfolio Management** provides an overview of all the projects that an organization is undertaking and considering. ½
- (c) CBA is the acronym for **Cost Benefit Analysis** ½
- (d) Planning, Organizing, Staffing, Directing, Monitoring, Controlling, Innovating and Representing are the activities of **Management**. ½
- (e) **Feasibility Study** assesses whether a project is worth starting –that it has a valid business case. ½
- (f) **Incremental** model breaks the application down into small components which are then implemented and delivered in sequence. ½
- (g) Artefacts of Scrum methodology are **Product backlog, Sprint backlog, Sprint burndown chart**. ½
- (h) Core values of Extreme Programming (XP) are **Communication and Feedback, Simplicity, Responsibility, Courage**. ½
- (i) **Pair Programming** is when one programmer does coding and other programmer review the code. ½

- (j) In Scrum **Product Owner** represents the customer's perspective and guides the team towards building the right software. ½

Q2 Answer in one or two sentences **[5]**

- (a) Who is Stakeholder of a project?
These are people who have a stake or interest in the project. 1
In general, they could be users/clients or developers/implementers.

- (b) What are the characteristics of Project?
Non-routine
 - Planned
 - Aiming at a specific target
 - Carried out for a customer
 - Carried out by a temporary work group 1
 - Involving several specialisms
 - Made up of several different phases
 - Constrained by time and resources
 - Large and/or complex

- (c) "Objectives should be SMART". What is the full form of SMART?
S – specific
M – measurable
A – achievable 1
R – relevant
T – time constrained

- (d) What are the steps of Waterfall Model?
Feasibility Study, User Requirements, Analysis, System Design, Program Design, Coding, Testing, Operation 1

(e) What are Scrum Ceremonies?

Sprint planning

Daily Scrum

Sprint Review Meeting

1

Q3 Attempt any two

[10]

(a) Define Net Profit, Payback Period and Returns on Investment. Calculate these values for the following cash flow forecast of a project

Year	Cash-flow
0	-200,000
1	40,000
2	60,000
3	40,000
4	60,000
5	60,000

Solution:

Net profit:

5

Year	Cash-flow
0	-100,000
1	10,000
2	10,000
3	10,000
4	20,000
5	100,000
Net profit	50,000

'Year 0' represents all the costs before system is operation
'Cash-flow' is value of income less outgoing

Net profit value of all the cash-flows for the lifetime of the application

Pay back period

This is the time it takes to start generating a surplus of income over outgoings. What would it be below?

Year	Cash-flow	Accumulated
0	- 100,000	-100,000
1	10,000	-90,000
2	10,000	-80,000
3	10,000	-70,000
4	20,000	-50,000
5	100,000	50,000

The payback period would be about 4.5 years. This can be calculated as the last year in which the accumulated cash flow was negative + (absolute accumulated cash flow at the end of that year / cash-flow for the next year) e.g. year 4 + (50,000/100,000). This assumes that the flow of cash is constant throughout the year in question e.g. £100,000/12 or £8,333 a month in year 5.

Return on investment (ROI):

$$\text{Return on investment (ROI)} = \frac{\text{Average annual profit}}{\text{Total investment}} \times 100$$

In the previous example

- average annual profit
= 50,000/5
= 10,000

$$\text{ROI} = 10,000/100,000 \times 100 = 10\%$$

Solution:

Year	Cash-flow	Accumulated
------	-----------	-------------

0	-200,000	-200,000
1	40,000	-160,000
2	60,000	-100,000
3	40,000	-60,000
4	60,000	0
5	60,000	60,000
Net profit	60,000	

Net Profit: 60,000

Payback Period: 4 yrs

Average Annual Profit: $60,000 / 5 = 12,000$

Return on Investment: $(12,000/2,00,000) \times 100 = 06\%$

- (b) Give very brief description of all the phases of Project Management Life cycle and explain W5HH principle.

Solution:

Phases of Project Management Life cycle:

Project Initiation:

- During the project initiation phase it is crucial for the champions of the project to develop a thorough understanding of the important characteristics of the project.

- In his W5HH principle, Barry Boehm summarized the questions that need to be asked and answered in order to have an understanding of these project characteristics.

5

Project Planning:

Various plans are made:

- Project plan: Assign project resources and time frames to the tasks.
- Resource plan: List the resources, manpower and equipment that required to execute the project.
- Financial plan: plan for manpower, equipment and other costs.

- Quality plan: Plan of quality targets and control.
- Risk plan: Identification of the potential risks, their prioritization and a plan for the actions that would be taken to contain the different risks.

Project Execution:

- Tasks are executed as per the project plan
- Monitoring and control processes are executed to ensure that the tasks are executed as per plan
- Corrective actions are initiated whenever any deviations from the plan are noticed.

Project Closure:

- Involves completing the release of all the required deliverables to the customer along with the
- Necessary documentation.

W5HH principle:

A series of questions that lead to a definition of key project characteristics:

- Why is the software being built?
- What will be done?
- When will it be done?
- Who is responsible for a function?
- Where are they organizationally located?
- How will the job be done technically and managerially?
- How much of each resource is needed?

- (c) Discuss Capers Jones estimating rule of thumb.

Solution:

Capers Jones estimating rule of thumb:

5

Rule 1: SLOC-function point equivalence:

One function point = 125 SLOC for C programs.

Rule 2: Project duration estimation:

Function points raised to the power 0.4 predicts the approximate development time in calendar months.

E.g. 150 FP = $150 \times 125 = 18750$ SLOC, Development time = $(150)^{0.4} = 7.42 \approx 8$ months

Rule 3: Rate of requirements creep:

User requirements creep in at an average rate of 2% per month from the design through coding phases.

Rule 4: Defect removal efficiency:

Each software review, inspection, or test step will find and remove 30% of the bugs that are present.

Rule 5: Project manpower estimation:

The size of the software (in function points) divided by 150 predicts the approximate number of personnel required for developing the application.

E.g. $500 \text{ FP} / 150 = 4$ personals (approx.)

Rule 6: Software development effort estimation:

The approximate number of staff months of effort required to develop a software is given by the software development time multiplied with the number of personnel required.

Eg. $8 \text{ months} \times (150 \text{ FP} / 150) = 8$ person-month

Rule 7: Number of personnel for maintenance

Function points divided by 500 predicts the approximate number of personnel required for regular maintenance activities.

E.g. $500 / 500 = 1$ person

(d) What are the problems generally faced during effort estimation?

Solution:

Problems generally faced during effort estimation:

- Subjective nature of much of estimating
 - It may be difficult to produce evidence to support your precise target
- Political pressures

- Managers may wish to reduce estimated costs in order to win support for acceptance of a project proposal
- Changing technologies
 - these bring uncertainties, especially in the early days when there is a 'learning curve'
- Projects differ
 - Experience on one project may not be applicable to another

The answer to the problem of over-optimistic estimates might seem to be to pad out all estimates, but this itself can lead to problems. You might miss out to the competition who could underbid you, if you were tendering for work. Generous estimates also tend to lead to reductions in productivity. On the other hand, having aggressive targets in order to increase productivity could lead to poorer product quality.

Mid Term 1 question paper with solution Set 1:

Unit 1:

1. What are the characteristics of a project? **[Difficult]**
 - a. Routine, Planned, Aiming at a specific target, Carried out for a programmer, Carried out by a temporary work group, Involving several specialisms, Constrained by time and resources, Large and/or complex
 - b. Non-routine, unplanned, Aiming at a specific target, Carried out for a customer, Carried out by a temporary work group, Made up of several different phases, not constrained by time and resources, Large and/or complex
 - c. Unplanned, Aiming at a specific target, Carried out for a programmer, Carried out by a temporary work group, Involving several specialisms, Made up of several different phases, Constrained by time and resources, small and simple groups
 - d. **Non-routine, Planned, Aiming at a specific target, Carried out for a customer, Carried out by a temporary work group, Involving several specialisms, Constrained by time and resources, Large and/or complex**

2. Write "Yes" for Software task and "No" for Non-software task: **[Med]**

- 1) Publishing New Paper
- 2) Celebrating birthday
- 3) Coding an Operating System
- 4) Research Project based on HMI
- 5) Playing tournaments
- 6) Testing on a project

Options are:

- a. **Yes, No, Yes, Yes, No, Yes**
- b. No, No, Yes, Yes, Yes, Yes
- c. Yes, No, No, Yes, Yes, Yes
- d. **Yes, Yes, No, No, No, Yes**

3. Which of the following statements are True: **[Difficult]**

S1: Installation means the process of making the system operational. Includes setting up standing data, setting system parameters, installing on operational hardware platforms, user training etc.

S2: Qualification testing means testing the just the software the entire system.

S3: Acceptance support means including maintenance and enhancement.

Options are:

- a. Only S1, S2 is true
- b. Only S1, S3 is true**
- c. Only S1 is true
- d. Only S3 is true

4. Stakeholder could be: **[Med]**

S1: not within the project team

S2: Outside the project team, but within the same organization

S3: Outside both the project team and the organization

- a. Only S1, S2 is true
- b. Only S2, S3 is true**
- c. Only S1, S3 is true
- d. Only S3 is true

5. Objectives should be SMART. SMART Stands for: **[Med]**

a. Specific, Measurable, Achievable, Relevant, Time bound

b. Specific, Meaningful, Achievable, Relevant, Time constrained

c. Simple, Measurable, Achievable, Realistic, Time bound

d. Specific, Measurable, Active, Relevant, Time bound

6. Match the terms: **[Difficult]**

1. Project charter	a. Quantifiable, Non-quantifiable
2. Costs include	b. It is an important high-level document that authorizes the starting of a project and use of the required resources.
3. Software development life-cycle	c. ISO 12207
4. Benefits include	d. Development, Operation

- a. 1 - b, 2 - d, 3 - c, 4 - a**
- b. 1 - c, 2 - d, 3 - b, 4 - a
- c. 1 - b, 2 - c, 3 - d, 4 - a
- d. 1 - c, 2 - d, 3 - a, 4 - b

7. Which of the following are applicable for Project Planning: **[Difficult]**

S1: Project plan: Plan of quality targets and control.

S2: Resource plan: Plan for manpower, equipment and other costs.

S3: Risk plan: Identification of the potential risks, their prioritization and a plan for the actions that would be taken to contain the different risks.

- a. Only S1, S2 is true
- b. Only S2, S3 is true
- c. Only S1, S3 is true
- d. Only S3 is true**

8. NPV Stands for _____. **[easy]**

- a. Net Projection Value
- b. Net Profit Value
- c. Net Project Value
- d. Net Present Value**

9. Product Description includes _____. **[easy]**

- a. Product identity, Description, Derivation, Format
- b. Product identity, Product Cost, Composition, Format
- c. Product identity, Description, Product client info, Format
- d. Product identity, Product time duration, Product Cost, Composition, Format

10. A _____, commonly used in project management, is one of the most popular and useful ways of showing activities (tasks or events) displayed against time. [easy]

- a. Portfolio Project Management
- b. Gantt chart**
- c. Organization Chart
- d. PERT

11. Consider the project cash flow estimates for projects at IOE shown in table, Negative levels represent expenditure and positive values income. Find Net Profit. [Difficult]

Year	Project 1	Project 2	Project 3
0	-120000	-1000000	-150000
1	20000	300000	30000
2	10000	300000	30000
3	10000	300000	30000
4	20000	300000	30000
5	100000	300000	75000
Net Profit	?	?	?

- a. 50000, 500000, 75000
- b. 10000, 500000, 45000
- c. 10000, 50000, 45000
- d. 40000, 500000, 45000**

12. _____document identifies the project tasks, schedule for the project task and assigns project resources. [Easy]

- a. Quality plan
- b. Resource plan
- c. Project plan**
- d. Financial plan

13. What do you mean by in-house projects? [Med]

- a. Clients and developer jointly work on the same project.
- b. Clients and developers stay together.
- c. Clients and developers employed by different organizations.
- d. Clients and developers are employed by the same organization.**

14. During Management of project, Innovating means _____. [Easy]

- a. giving instructions
- b. coming up with solutions when problems emerge**
- c. making arrangements
- d. checking on progress

15. Traditional Project Management involves _____. [Med]

- a. facilitating and accommodating client feedbacks
- b. facilitating customer participation in project development work
- c. gathering and fixing Requirements before the start of project.**

d. incremental delivery of the product with evolving functionalities.

Unit 2

16. Some advantages of off-the-shelf (OTS) software are: **[Difficult]**

S1: Costly as supplier can spread development costs over a large number of customers

S2: Software already exists, can be tailored by potential customer

S3: No delay while software being developed, where there have been existing users, bugs are likely to have been found and eradicated

- a. Only S1, S2 is true
 - b. Only S2, S3 is true**
 - c. All S1, S2, S3 are true
 - d. Only S2 is true
-

17. USDP stands for_____ . **[Med]**

- a. Unified Software Development Process**
 - b. Unified System Development Product
 - c. Unique Software Development Process
 - d. Unified Software Development Product
-

18. _____ is called a called 'heavyweight' approaches. It is step-by-step methods where each step and intermediate product is carefully defined. **[Med]**

- a. unstructured approach
 - b. Structured approach**
 - c. Agile
 - d. XP
-

19. _____ emphasized use of quickly developed prototypes. In _____, requirements are identified and agreed in intensive workshops with users. **[Difficult]**

- a. Rapid application development, Joint application development**
 - b. Joint application development, Rapid application development
 - c. Rapid application development, Agile
 - d. Scrum, Joint application development.
-

20. A building society has a long history of implementing computer-based information systems to support the work of its branches. It uses a proprietary structured systems analysis and design method. It has been decided to create a computer model of the property market. This would attempt_____ method. **[Difficult]**

- a. unstructured
 - b. Agile
 - c. Extreme programming
 - d. structured**
-

21. _____ approach is an extension of waterfall where different testing phases are identified to check the quality phases. It is widely used in the development of software projects. **[Med]**

- a. V model**
- b. Agile
- c. Extreme programming

d. Rapid Application Development

22. _____ is an iterative process of creating quickly and inexpensively live and working models to test out requirements and assumptions. [Med]

a. **evolutionary prototypes**

b. Agile

c. Extreme programming

d. Rapid Application Development

23. What are the reasons of using Prototype model? [Difficult]

a. learning by doing, improved communication, improved programmer involvement, no feedback loop is established, prototype can be used for producing expected results

b. learning by doing, improved communication, improved user involvement, no feedback loop is established, increases the need for documentation, increases maintenance costs, prototype can be used for producing expected results

a. learning by doing, improved communication, improved user involvement, reduces the need for documentation, increases maintenance costs, prototype can be used for producing unexpected results

a. learning by doing, improved communication, improved user involvement, a feedback loop is established, reduces the need for documentation, prototype can be used for producing expected results

24. Find the Value to cost ratio and rank the projects. [Difficult]

Step	Value	Cost	V/C	Rank
Profit reports	9	10		
Online DB	1	9		
Ad hoc enquiry	5	5		
Purchasing plans	9	4		

a. Profit reports – 3rd, Online DB – 4th, Ad hoc enquiry – 2nd, Purchasing plans – 1st

b. Profit reports – 2nd, Online DB – 4th, Ad hoc enquiry – 3rd, Purchasing plans – 1st

c. Profit reports – 1st, Online DB – 3rd, Ad hoc enquiry – 4th, Purchasing plans – 2nd

d. Profit reports – 2nd, Online DB – 3rd, Ad hoc enquiry – 4th, Purchasing plans – 1st

25. RAD stands for_____.

a. Relative Application Development

b. Rapid Application Development

c. Rapid Application Document

d. Regular Application Development

26. Which one of the following phases accounts for the maximum efforts during the development of typical software? [Easy]

a. Coding

b. Testing

c. Designing

d. Specification

27. Which one of the following feedback paths is present in an iterative waterfall model? [Med]

a. Design phase to feasibility study phase

b. Implementation phase to testing phase

c. Implementation phase to requirements specification phase

d. Design phase to coding phase

28. Selection of a model is based on _____ . [Easy]

- a. Market
- b. Management
- c. Project type and associated risk**
- d. People

29. Which of the following life cycle model can be chosen if the development team has less experience on similar projects? [Easy]

- a. Spiral**
- b. Waterfall
- c. RAD
- d. Iterative Enhancement Model

30. If you were a lead developer of a software company and you are asked to submit a project/product within a stipulated time-frame with no cost barriers, which model would you select?

[Easy]

- a. Waterfall
- b. Spiral
- c. RAD**
- d. Incremental

Approval from CAO on mail:

The screenshot shows an email thread with two messages. The first message is from Sarika Chouhan to Pushpa Mahapatro and Ujwala Sav, dated Sat 10/9/2021 2:02 PM. The second message is from Pushpa Mahapatro to Sarika Chouhan and Ujwala Sav, dated Sat 10/9/2021 9:42 AM.

SPM Mid Term Paper

Sarika Chouhan
To: Pushpa Mahapatro
Cc: Ujwala Sav
QP is okay .
Thanks & Regards,
Dr Sarika Chouhan
Chief Academic Officer
Vidyalankar School of Information Technology
Vidyalankar Educational Campus
Vidyalankar College Marg
Mumbai – 400 037.
Tel No. : 022 2416 1126 ext 3102
www.vsit.edu.in

Pushpa Mahapatro
To: Sarika Chouhan
Cc: Ujwala Sav
Dear Madam,
Please find the link of **SPM** Mid Term paper:

Questions Responses **1**

TYIT SPM Mid Term 2 Set 1 (30 Points)

Max Marks 30
Date: 11-10-2021
Time 2:30 pm to 3:30 pm

All 30 questions are compulsory.
Each question carries 1 mark.
ONLY ONE ATTEMPT IS ALLOWED.
Use of Standard Calculator is allowed.

1. Name *

Enter your answer

2. Roll No. *

Enter your answer

3. Division *

TY BScIT Div A

TY BScIT Div B

TY BScIT Div C

TY BScIT Div D

TY BScIT Div E

Mid Term Marks:

B	C	D	E
TYIT Sem V Internal Assessment#1 Attendance Sheet 2021-22			
Batch A1			
	▼ 19302A0004 ▼	Manoj naik	▼
2	19302A0006	Mitsinh Rajput	26
3	19302A0007	Pranav Shinde	26
4	19302A0008	Pranjal Lad	19
5	19302A0010	Mahesh boin	25
6	19302A0013	Pradeep Vanahalli	23
7	19302A0019	Shreya Sawant	21
8	19302A0023	Aavishkar Baraskar	25
9	19302A0024	Shubham Karade	20
10	19302A0028	Saili Rao	24
11	19302A0031	Soham Patil	24
12	19302A0032	Anagha Belose	24
13	19302A0037	Adarsh Pandey	12
14	19302A0040	Dinesh Saivolla	20
15	19302A0041	Wasim Khan	26
16	19302A0042	Smiley Bersia	24
17	19302A0047	Samatha Chinta	17
18	19302A0050	Aditi Joshi	24
19	19302A0051	Vaibhavi Angre	20
20	19302A0056	Jahnvi Natekar	21
21	19302A0057	Vishal Yadav	22

Internal Marks Calculations

First Name	Last Name	Email Address	TYBScIT Sem 6 Principles of Geograp			TYBScIT Semester 6 Principles of			TY PGIS Quiz L23, Unit 3 Ch 5	TY PGIS Quiz L22, Ch3 Unit 3 Ch 5	TY PGIS Quiz L22, Ch3 Unit 3 Ch 5	TY PGIS Quiz L21, Ch3 Unit 3 Ch 5	TY PGIS Quiz L20, Ch3 Unit 3 Ch 5	TY PGIS Unit 2 (End Assessment)	TY PGIS Quiz L13, Ch3 Unit 2	TY PGIS Quiz L12, Ch3 Unit 2	TY PGIS Quiz L11, Ch3 Unit 2	TY PGIS Quiz L3, Ch1	TY Q4 Ch
			Out of 7.5	Out of 7.5	Out of 7.5	Out of 7.5	Total out of 10	Out of 7.5											
Abhishek	Vishwakar	abhishek.v	25	6	6	24	6	0											
Abhishek	Gajula	abhishek.g	24	6	6	29	7	5		6	4			13	8	8	8	6	
Aditi	Polekar	aditi.polek	27	7	7	28	7	8	10	10	10	6	10	10	10	10	10	8	
Aditya	Sawant	aditya.saw	24	6	6	28	7	1										6	
Afan	Dadan	afan.dada	20	5	5	25	6	1											
Akash	Shrivastav	akash.shri	27	7	7	26	7	10	10	10		10	10	16	10	10	10	10	
Anamika	Salvi	anamika.s	23	6	6	28	7	4				10	10	15				6	
Atharva	Pawar	atharva.p	25	6	6	28	7	5	10	10	10			17				10	
Darshanee	Naringrekar	darshanee	22	6	6	29	7	2				10						8	
Dipesh	Halde	dipesh.ha	24	6	6	26	7	0											
Gaurav	Chowki	gaurav.ch	20	5	5	27	7	4			8	8	14	8					
Guruprasa	Jogu	guruprasa	25	6	6	30	8	8	10	10	10	10		10	8	6	10		
Hardik	Jain	hardik.jain	21	5	5	29	7	3	10	10	10	8						2	
Harshad	Patil	harshad.p	22	6	6	27	7	8	10	10	10	10	6	16	8	10	8	4	
Ishwaree	Nabar	ishwaree.i	26	7	7	28	7	8	10			10	10	17	10	10	10	10	
Jasmeenka	Banga	jasmeenka	24	6	6	27	7	0											
Jay	Wadkar	jay.wadka	25	6	6	28	7	5	8	10	10	4			4	4	10		
Karan	Mamania	karan.mar	24	6	6	28	7	7			10	10	17	10	10	10	10		
Khushi	Bangera	khushi.ba	25	6	6	25	6	2					17					6	

FYBScDS Sem 2 Internal Marks							
Sr. No.	Roll No	Name	Batch	DbM			
				Marks/30	Marks / 15	class /10	Total/25
1	21315A0002	Tejas Jadhav	A	4	2	8	10
2	21315A0003	Sahil Chavan	A	8	4	9	13
3	21315A0004	Ritu Gajul	A	24	12	10	22
4	21315A0005	Kunal Ayere	A	5	3	8	11
5	21315A0006	Sakshi Shinde	A	11	6	8	14
6	21315A0007	Anuja Avere	A	13	7	9	16
7	21315A0008	Rutuja Khatal	A	7	4	9	13
8	21315A0009	Ayush Kale	A	9	5	9	14
9	21315A0010	Harsh Salgaonkar	A	7	4	8	12
10	21315A0011	Sarthak Mayekar	A	27	14	10	24
11	21315A0012	Karen Noronha	A	13	7	7	14
12	21315A0013	Shondita Dey	A	27	14	10	24
13	21315A0015	Akbar Khan	A	21	11	8	19
14	21315A0016	Ajinkya Gurav	A	7	4	8	12
15	21315A0017	Heramb Vaidya	A	23	12	10	22
16	21315A0018	Kausahl Mahakal	A	0	0	8	8
17	21315A0019	Mohammed Bilal Shaikh	A	4	2	9	11
18	21315A0020	Aditya Karkar	A	5	3	8	11
19	21315A0021	Shekhar Sharma	A	24	12	10	22
20	21315A0022	Tejas Kadam	A	2	1	8	9
21	21315A0023	Mohd Tauseef Halwai	A	10	5	9	14
22	21315A0024	Moh Ahaad Shaikh	A	7	4	8	12
23	21315A0025	Aman Korlekar	A	6	3	8	11
24	21315A0026	Rohan Patil	A	2	1	8	9
25	21315A0027	Omkar Sawant	A	2	1	8	9
26	21315A0028	Saurabh Mayekar	A	4	2	8	10
27	21315A0029	Sanjana Jaiswal	A	0	0	9	9
28	21315A0030	Satyanarayana Shukla	A	2	1	8	9
29	21315A0031	Parth Vichare	A	9	5	9	14
30	21315A0032	Mayur Durgade	A	5	3	9	12
31	21315A0033	Prince Vishwakarma	A	7	4	7	11
32	21315A0034	Athira Kollara	A	21	11	10	21
33	21315A0035	Anita Kattakola	A	AB	#VALUE!	9	#VALUE!
34	21315A0036	Aditi Avhad	A	17	9	10	19
35	21315A0038	Vikas Thakur	A	AB	#VALUE!	10	#VALUE!
36	21315A0039	Sankeerthana Ramakrishna	A	14	7	9	16

First Name	Last Name	Email Address	IA1 Out of 7.5	IA 2 Out of 7.5	Total out of 10	Total out of 25
Abhishek	Gajula	abhishek.gajula@vsit.edu.in	6	7	7	20
Abhishek	Vishwakar	abhishek.vishwakarma@vsit.edu.in	6	6	6	18
Aditi	Polekar	aditi.polekar@vsit.edu.in	7	7	8	22
Aditya	Sawant	aditya.sawant@vsit.edu.in	6	7	5	18
Afan	Dadan	afan.dadan@vsit.edu.in	5	6	5	16
Akash	Shrivastav	akash.shrivastav@vsit.edu.in	7	7	10	24
Anamika	Salvi	anamika.salvi@vsit.edu.in	6	7	7	20
Atharva	Pawar	atharva.pawar@vsit.edu.in	6	7	7	20
Darshanesh	Naringrekar	darshanesh.naringrekar@vsit.edu.in	6	7	5	18
Dipesh	Halde	dipesh.halde@vsit.edu.in	6	7	3	16
Gaurav	Chowki	gaurav.chowki@vsit.edu.in	5	7	6	18
Guruprasad	Jogu	guruprasad.jogu@vsit.edu.in	6	8	8	22
Hardik	Jain	hardik.jain@vsit.edu.in	5	7	8	20
Harshad	Patil	harshad.patil@vsit.edu.in	6	7	8	21
Ishwaree	Nabar	ishwaree.nabar@vsit.edu.in	7	7	8	22
Jasmeen	Banga	jasmeenkaur.banga@vsit.edu.in	6	7	2	15
Jay	Wadkar	jay.wadkar@vsit.edu.in	6	7	7	20
Karan	Mamania	karan.mamania@vsit.edu.in	6	7	7	20
Khushi	Bangera	khushi.bangera@vsit.edu.in	6	6	5	17
Khushi	Chouhan	khushi.chouhan@vsit.edu.in	7	7	8	22
Kriti	Komati	kriti.komati@vsit.edu.in	7	7	3	17
Manasi	Patil	manasi.patil@vsit.edu.in	7	7	10	24

Repeat Mid Term

List of students Repeat Mid Term:

FYBSc IT Sem 1 Repeat Midterm List								
A	B	C	D	E	F	G	H	I
FYBSc IT Sem 1 Repeat Midterm List								
Sr. No.	Roll No	Name	Div	Replace AB/Appear with marks out of 30				
				IP	DE	OS	DM	CS
1	21302A0001	Avdhut Bashte	A	-	-	-	Appear	-
19	21302A0021	Kavish -	A	-	-	Appear	Appear	-
22	21302A0024	Jayeshkumar Gupta	A	-	-	AB	-	-
36	21302A0039	Shravani Dhaktode	A	AB	-	-	-	-
42	21302A0045	Mohit Kumar	A	AB	-	-	-	-
46	21302A0049	Omkar Velhal	A	Appear	-	-	Appear	-
54	21302A0057	Jayesh Marathe	A	AB	-	Appear	Appear	AB
55	21302A0058	Tanish Khatu	A	AB	AB	AB	AB	AB
56	21302A0059	Siddesh Avhad	A	AB	AB	AB	AB	AB
22	21302B0025	Tarun Gudla	B	-	-	-	Appear	-
34	21302B0040	Namrata Patil	B	-	-	-	-	Appear
35	21302B0041	Hammad Chawdhari	B	-	-	-	AB	-
38	21302B0044	Ujjwal Shastri	B	-	-	-	Appear	-
55	21302B0062	Mohd Fahad Salmani	B	AB	AB	AB	AB	AB
56	21302B0063	Mohit Korade	B	AB	AB	AB	AB	AB
42	21302C0047	Om Malandkar	C	-	-	-	Appear	-
48	21302C0055	Mursalin Saiyed	C	-	-	-	Appear	-
49	21302C0056	Siddh Bobadi	C	Appear	-	Appear	Appear	-
52	21302C0059	Kajal Dombale	C	Appear	-	Appear	-	-
53	21302C0060	Tanuj Merchant	C	AB	AB	AB	AB	AB
17	21302D0018	Ruchita Suram	D	-	-	-	Appear	-
21	21302D0023	Amol Naik	D	-	-	-	Appear	-
23	21302D0026	Shashank Desai	D	-	-	-	Appear	-
46	21302D0053	Vishal Shete	D	-	Appear	-	Appear	-
53	21302D0061	Fazal Shaikh	D	AB	AB	AB	AB	AB
56	21302D0064	Tushar Khot	D	-	-	-	Appear	-
57	21302D0065	Ratan Vemula	D	AB	Appear	Appear	-	-

Page Break

B.Sc.D.S. Roll No. _____ Student Sign _____ Supervisor Sign: _____

VIDYALANKAR SCHOOL OF INFORMATION TECHNOLOGY

Date : 07 / 05 / 2022

Repeat Midterm Examination (May 2022)

Time: ½ hr

F.Y.B.Sc.D.S. – SEM - II

Subject: Database Management

Marks: 15

Instructions: (1) All Questions are compulsory.

1	The “all-or-none” property is commonly referred to as _____ a. Isolation b. Durability c. Consistency d. Atomicity	[1]
2	In a school database, each student has only one student ID is which kind of relationship? a. One to Many b. Many to one c. Many to Many d. One to One	[1]
3	The view of a total database content is _____. a. Conceptual View b. Internal View c. External View d. Physical View	[1]
4	Execution of transaction in isolation preserves the _____ of a database. a. Atomicity b. consistency c. Durability d. Isolation	[1]
5	An entity set that does have sufficient attributes to form a primary key is termed a _____ set. a. Strong Entity b. Weak Entity c. Composite Entity d. Single Entity	[1]
6	_____ system is also called as Record Keeping systems. a. Database Service b. Data Multiprocessor c. Record Service d. Database Management	[1]
7	In ER diagram, Attribute is represented using _____ shape. a. Ellipse b. Rectangle c. Oval d. Diamond	[1]
8	Which of the following is not an Aggregate function? a. Min b. Max c. Select d. Avg	[1]
9	The common column is eliminated in _____. a. Inner Join b. Composed Join c. Natural Join d. Outer Join	[1]
10	An attribute in a relation is a foreign key if the _____ key from one relation is used as an attribute in that relation. a. Super b. Candidate c. Primary d. Alternate	[1]
11	A _____ is a property of the entire relation, rather than of the individual tuples in which each tuple is unique. a. Row b. Attribute c. Fields d. Key	[1]
12	There are _____ types of Constraints. a. 4 b. 5 c. 6 d. 7	[1]
13	In E-R diagram total participation is represented by _____. a. Single line b. Double Line c. Dashed line d. Triangle	[1]
14	If two relations R and S are joined, then the non-matching tuples of both R and S are ignored in _____ join. a. Left outer b. Right Outer c. Full Outer d. Inner	[1]
15	Third normal form is based on the concept of _____ dependency. a. Partial b. Transitive c. Closure d. Functional	[1]

Practical Index Page

INDEX Roll No: _____					
USIT6P4 : Principles of Geographic Information Systems					
No.	Title/Aim	Date	Faculty Sign	Grade	Student Sign
1	Familiarizing Quantum GIS: Installation of QGIS, datasets for both Vector and Raster data, Maps.				
2	Creating and Managing Vector Data: Adding vector layers, setting properties, formatting, calculating line lengths and statistics				
3	Exploring and Managing Raster data: Layer formatting, Raster calculations, Raster Mosaicking and Clipping				
4	Making a Map, Working with Attributes, Importing Spreadsheets or CSV files Using Plugins, Searching and Downloading OpenStreetMap Data				
5	Working with Attributes of vector layer, Terrain Data and Hill shade analysis				
6	Georeferencing Topo Sheets and Scanned Maps Georeferencing Aerial Imagery Digitizing Map Data				
7	Newly Added: Create a map of your own residential area 1. Add 4 Area (id, name) 2. Add 4 Garden (id, name) 3. Add 2 Highways (id, name) 4. Add 2 railway track (id, name, line) 5. Add 5 Railway stations(id, name, line) 6. Add 5 Restaurants (id, name) [At least 2 inside garden] 7. Add 5 Hospitals 8. Add 10 Building / residential compound / Business Park.				
8	Newly Added: Create a map based on following assumptions 1. Add 1 Highways (id= "375") 2. Add 6 Farms (id, own_name) (2 farms near Highway) 3. Add 4 narrow Paths between farms (id) 4. Add a main road that passes near farms and touches the highway. 5. Add 2 Farm houses in any two farms (id, frm_id).				

	6. Add 4 Residential areas. (at-least one near farm and one near main road) 7. Add two Primary Schools 8. Add a Bus stop and an Auto Stand near a main road. 9. Add a Grampanchayat office 10. Add 4 wells (3 in farms and 1 in residential area)				
9	Newly Added: Making Map [Print Layout] using created Map of Practical #8. Perform the following tasks 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. 5. Add more map cosmetics for better visualization				
10	PBL: Create a map of railway route of Kandivali to Virar 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.				

CERTIFICATE

This is to certify that the practicals in the subject of
USIT6P4 : Principles of Geographic Information Systems

have been completed satisfactorily by

Mr./Ms. _____ Roll No. _____ in

partial fulfilment of BSc IT degree (Sem VI) examination for Academic Year 2021 – 22.

Practical Instructor

Cluster Mentor

Internal Examiner

External Examiner

PRINCIPAL

Date: / / 2022

Date: / / 2022

College Seal

Practical Assessment:

Practical #9 (newly Added)

Name	Vishal bahlaram	Roll Number	19302C0051
Class	TY BScIT	Division	C
Subject/Course	USIT 6P4 Principles of Geographic Information Systems		
Topic	<p>Making Map [Print Layout] using created Map of Practical #8.</p> <p>Perform the following tasks</p> <ol style="list-style-type: none"> 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 <u>station</u>. 5. Add more map cosmetics for better visualization. 		

mumbai suburban

Legend:

- khak
- residential areas
- hospitals
- railway
- stations

Scale: 0, 75, 150 m

Lab manual:



DEPARTMENT: Information Technology

COURSE: TYB.Sc IT

SEMESTER : VI

SUBJECT: Principles of Geographic Information System

LAB / Case study Index

Sr. No	LAB / Case Study Name	Page No.
1	Prerequisites to GIS Practical Creating and Managing Vector Data a) Adding vector layer b) Setting properties c) Vector Layer Formatting Calculating line lengths and statistics	3
2	Adding raster layers Raster Styling and Analysis Raster Mosaicking and Clipping	18
3	Making a Map Importing Spreadsheets or CSV files Using Plugin Searching and Downloading OpenStreetMap Data	27
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USIT6P4 (Discipline Specific Elective Practical) *Principles of Geographic Information Systems Practical*

PRACTICAL - 1

AIM : - Creating and Managing Vector Data:

Adding vector layer

Setting properties

Vector Layer Formatting

Procedure:

Adding vector layers (Polygon, Line, Points)

Polygon layers (We have taken 2 layers Matunga, Garden)

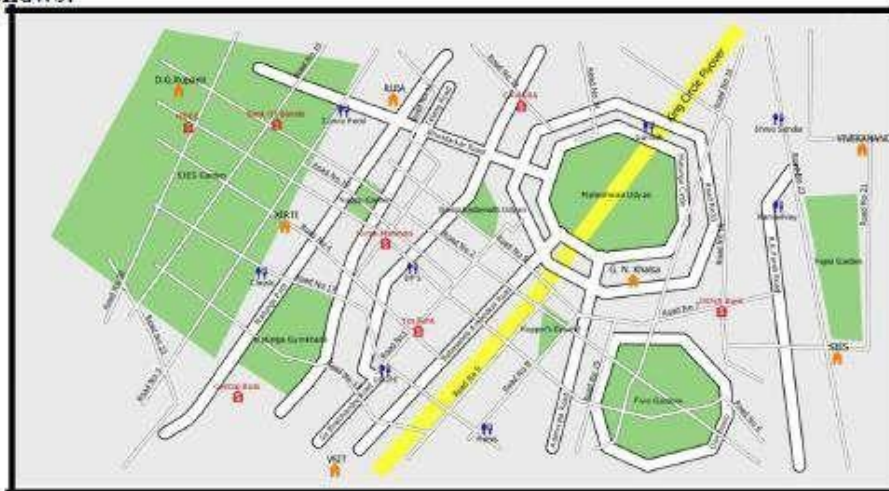
Line layers (We have taken 3 layers Small_Roads, Road, Flyover)

Point layers (We have taken 4 layers bank,college,Restaurants,ATM)

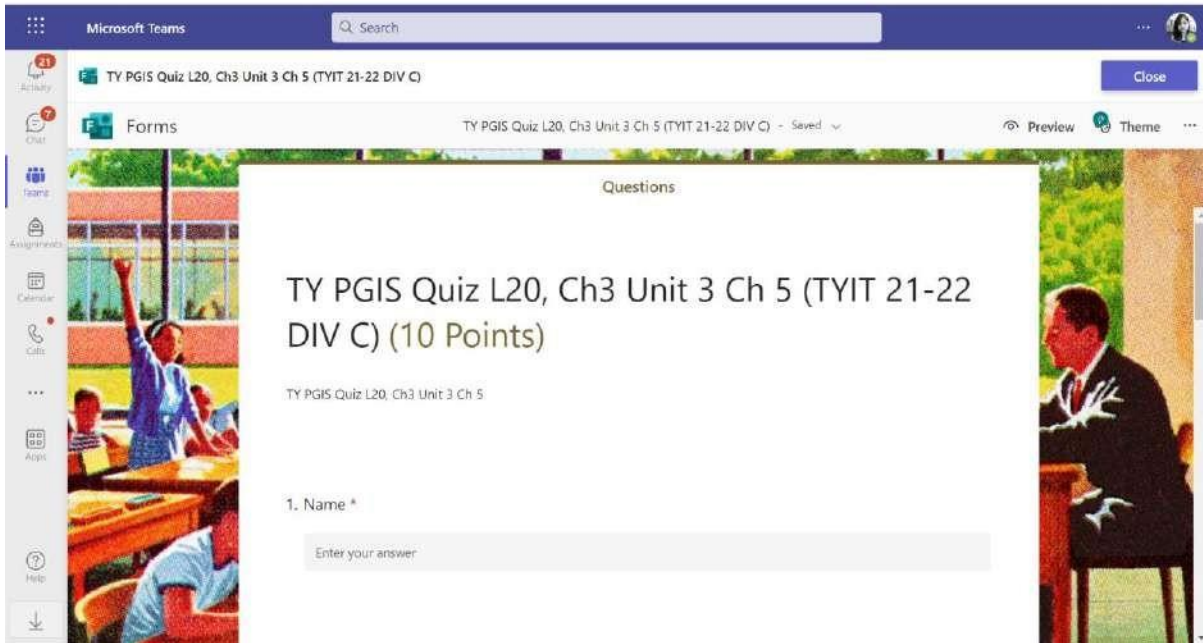
Setting properties (Labeling, Symbolism)



Our aim is to create map representing a location and its surrounding as follows:

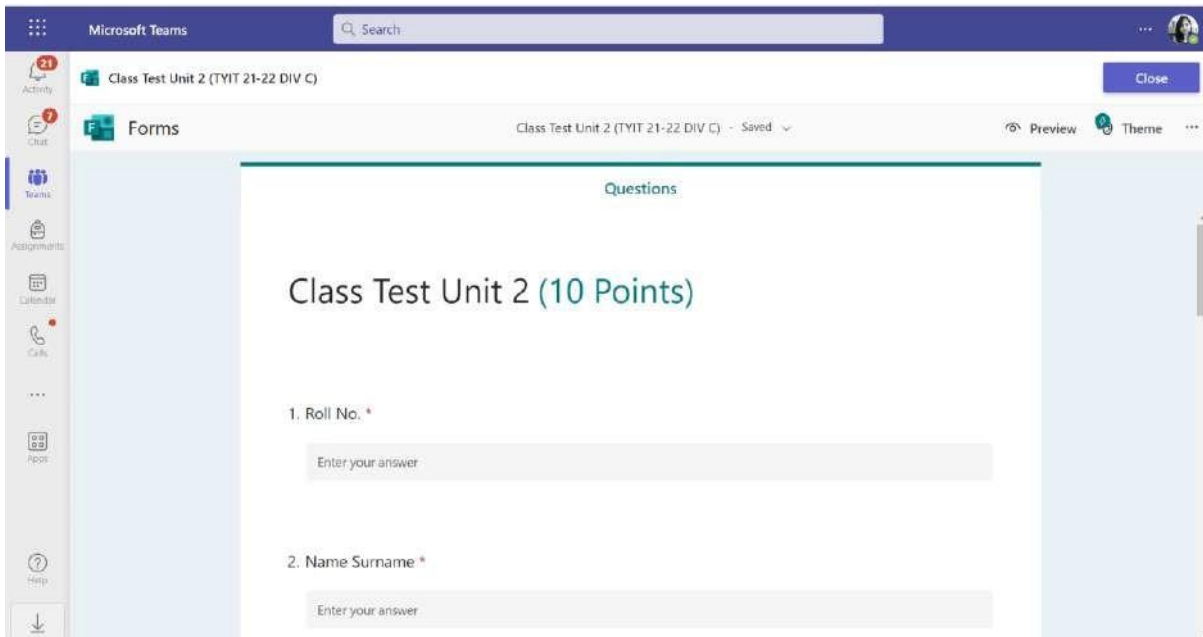


Pop Quiz:



The screenshot shows a Microsoft Teams interface with a 'Forms' tab open. The form title is 'TY PGIS Quiz L20, Ch3 Unit 3 Ch 5 (TYIT 21-22 DIV C)'. The form content includes the title 'TY PGIS Quiz L20, Ch3 Unit 3 Ch 5 (TYIT 21-22 DIV C) (10 Points)', the subtitle 'TY PGIS Quiz L20, Ch3 Unit 3 Ch 5', and a single question: '1. Name *' with an input field labeled 'Enter your answer'.

Class test



The screenshot shows a Microsoft Teams interface with a 'Forms' tab open. The form title is 'Class Test Unit 2 (TYIT 21-22 DIV C)'. The form content includes the title 'Class Test Unit 2 (10 Points)', the subtitle 'Class Test Unit 2 (TYIT 21-22 DIV C)', and two questions: '1. Roll No. *' with an input field labeled 'Enter your answer', and '2. Name Surname *' with an input field labeled 'Enter your answer'.

Practical Assessment:

The screenshot displays the Microsoft Teams interface. On the left, the navigation pane shows the 'All teams' section with a team named 'TYIT 21-22 DIV C'. The 'Assignments' tab is selected. The main content area shows the details of an assignment titled 'SiC Batch C2 Practical Assessment Worksheet#1', due on February 2, 2022, at 10:05 AM. Below the assignment details, a table lists the submission status for five students.

To return (65)		Returned (0)		Search students	
<input type="checkbox"/>	Name	Status	Feedback	/ 20	
<input type="checkbox"/>	NA Ambekar, Nisha	Viewed		0	
<input type="checkbox"/>	SA Aruva, Shriyash	Viewed		0	
<input type="checkbox"/>	VB Bahram, Vishal	Turned in		15	
<input type="checkbox"/>	SB Baikar, Shiruti	Turned in		14	
<input type="checkbox"/>	Banga, Jasmeenkaur	Turned in		14	

OBT

Assignments

< Back Return

UNIT 4 OBT on IDS
 Due February 11, 2022 3:30 PM •
 Closes February 11, 2022 3:30 PM

To return (65) Returned (0) Search students

<input type="checkbox"/>	Name	Status	Feedback	/ 20
<input type="checkbox"/>	NA Ambekar, Nisha	✓ Turned in		
<input type="checkbox"/>	SA Aruva, Shriyash	👁 Viewed		
<input type="checkbox"/>	VB Bahiram, Vishal	⊗ Not turned in		
<input type="checkbox"/>	SB Baikar, Shruti	✓ Turned in		
<input type="checkbox"/>	Banga, Jasmeenkaur	⊗ Not turned in		
<input type="checkbox"/>	KB Bangera, Khushi	⊗ Not turned in		

Assignments

Edit assignment Cancel Delete Update

Title (required)
 UNIT 4 OBT on IDS

Add category

Instructions

B *I* U

1. Write short note on Intrusion Detection System (IDS).
 2. Write the Features of IDS.
 3. Explain the security threats as -attacks or misuse in IDS.
 4. Elaborate first generation and second generation IDS.
 5. Describe host based IDS and Network based IDS.

Attach + New Apps

Points
 20

Add rubric

Assign to
 Don't assign to students added to this class in the future. ⓘ

Feedback score:

10/21/21, 10:30 AM

Mail - Pushpa Mahapatro - Outlook

Feedback (Round-I)

Dipika Keluskar <Dipika.Keluskar@vsit.edu.in>

Wed 10/20/2021 12:51 PM

To: Pushpa Mahapatro <Pushpa.Mahapatro@vsit.edu.in>

Cc: Asif Rampurawala <Asif.Rampurawala@vsit.edu.in>

SPM	TY IT-A -Pushpa M.	3.16
-----	--------------------	-------------

Regards,

Dipika Keluskar
Administrative StaffVidyalankar Educational Campus
Vidyalankar College Marg
Mumbai – 400 037.
Tel No. : 022 2416 1126 ext 3102
www.vsit.edu.in

Please consider your environmental responsibility before printing this email

10/21/21, 10:30 AM

Mail - Pushpa Mahapatro - Outlook

Feedback (Round-I)

Dipika Keluskar <Dipika.Keluskar@vsit.edu.in>

Wed 10/20/2021 1:00 PM

To: Pushpa Mahapatro <Pushpa.Mahapatro@vsit.edu.in>

Cc: Asif Rampurawala <Asif.Rampurawala@vsit.edu.in>

SPM	TY IT-C-Pushpa M.	3.15
-----	-------------------	-------------

Regards,

Dipika Keluskar
Administrative StaffVidyalankar Educational Campus
Vidyalankar College Marg
Mumbai – 400 037.
Tel No. : 022 2416 1126 ext 3102
www.vsit.edu.in

Please consider your environmental responsibility before printing this email

10/21/21, 10:28 AM

Mail - Pushpa Mahapatro - Outlook

Feedback (Round-I)

Dipika Keluskar <Dipika.Keluskar@vsit.edu.in>

Wed 10/20/2021 1:03 PM

To: Pushpa Mahapatro <Pushpa.Mahapatro@vsit.edu.in>

Cc: Asif Rampurawala <Asif.Rampurawala@vsit.edu.in>

SPM	TY IT-E-Pushpa M.	3.37
-----	-------------------	------

Regards,

Dipika Keluskar
Administrative Staff

VSIT | Vidyalankar School of
Information Technology

Vidyalankar Educational Campus
Vidyalankar College Marg
Mumbai – 400 037.
Tel No. : 022 2416 1126 ext 3102
www.vsit.edu.in

 Please consider your environmental responsibility before printing this email

8. Beyond Syllabus Activity

Guest Lecture on SPM

Project Management in Industry

Networking and Systems Cluster of Information Technology Department of Vidyalankar School of Information Technology had organized a Guest Lecture for Software Project Management subject focusing on Project Management in IT Industry. The resource person for the session was Mr. Kaushik Chowdhury. He is a Technopreneur and a practicing consultant in the field of Project Management and Product Management for the last two decades. Kaushik Sir guides Businesses and Start-ups to manage their Digital Product Development, Team Management and Successful project delivery. The event details were as follows:



VSIT | Vidyalankar School of
Information Technology

Networking and Systems
Cluster of Department of
Information Technology is
organising Guest Lecture on

**SOFTWARE
PROJECT
MANAGEMENT**
For TY BSc IT Students

Mr. KAUSHIK CHOWDHURY
Technopreneur,
Independent IT Consultant,
Guides Businesses and Startups for
Successful Project Delivery,
Ex-Manager at Google Business Group.

Date: July 17th 2021
Time: 11:00 AM - 12:00 NOON

Date: 17th July 2021

Time: 11.00 am to 12.00 noon

Target Audience: TYBScIT Students

The session was attended by 76 students of TYBScIT, 05 faculty members namely Ms. Pushpa Mahapatro, Ms. Ujwala Sav, Ms. Beena Kapadia, Dr. Sarika Chouhan and Dr. Pallavi Tawde. One of our alumni, Mr. Omkar Desai also attended the session. The session was interactive, and many queries were solved by the resource person.

Takeaways:

Mr. Kaushik started the session with brief introduction about various Project Management methodologies used in the industry. He mainly discussed about the methodologies like waterfall model, Agile, Scrum and Rapid Application Development Model. Professional Scrum improves the ability to deliver value compared to traditional methods. This provides an active learning environment for professionals to engage in discussion, team-based exercises, and individual reflection. During the project, programmers work in Scrum Teams over a series of Sprints. He also discussed about Agile process. Agile project management is an iterative approach to delivering a project throughout its life cycle. Iterative approaches are frequently used in software development projects to promote velocity and adaptability since the benefit of iteration is that you can adjust as you go along rather than following a linear path. He greatly recommends waterfall model. Waterfall project management is a sequential, linear process of project management. It consists of several discrete phases. No phase begins until the prior phase is complete, and each phase's completion is

terminal—waterfall management does not allow you to return to a previous phase. Still this model is used in the industry.

He gave explanation about his journey in the field of project management. He has served 3i InfoTech, a IICCI group company as a Product Manager of SAAS Product and helped them to roll out the product successfully. He has delivered projects and consulting services for companies like Vodafone, CocaCola, Johnson & Johnson, Radio Mirchi, Tata Sky, Haier, State Government Departments, State Police Departments, BFSI and many SMB's & startups. He has also helped in managing a Technology Project for State Election Campaign in Mumbai, for the leading national party. He has served Adamas University as a Product Consultant. Mr. Kaushik was the Manager of Google Business Group (GOOGLE) Kolkata. At present he is consulting to Dalmia Cement and Indian Chamber of Commerce (ICC). He is acting as Country Head of Konnekt Asia, Japan; Strategic Advisor to a Kenyan Startup and India Representative of National Initiative of Agricultural Development (NIAD), Bahrain.

He is also a member of Project Management Institute (PMI) and International Institute of Business Analysis (IIBA) and a life member of Calcutta Management Association (CMA). He is an Alumni of IISWBM (Indian Institute of Social Welfare & Business Management) and completed his Post Graduation in Enterprise Software & Management System.

He later discussed about the various certification in Project Managements like Google Project Management by Google, PROFESSIONAL CERTIFICATE; Project Management Principles and Practices by University of California, Irvine; Fundamentals of Project Planning and Management by University of Virginia; Engineering Project Management by Rice University, Engineering Project Management, Rice University; Foundations of Project Management by Google, Foundations of Project Management, Google; Project Management & Other Tools for Career Development by University of California, Irvine; Project Management & Other Tools for Career Development, University of California, Irvine; Project Management: The Basics for Success by University of California, Irvine; Agile Project Management by Google, Agile Project Management, Google; Introduction to Project Management by Coursera Project Network; Introduction to Project Management, Coursera Project Network; Business Analysis & Process Management by Coursera Project Network, Business Analysis & Process Management, Coursera Project Network; NPTEL Project Management and many more.

This session was highly useful to the students as they got familiarized by having an open interaction with the resource person on the current trends opted by industry during the pandemic, expectation of the industry from freshers and knowing the importance of practical implication than only theory for a subject like Project Management.

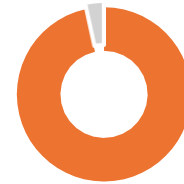
Analysis:

2.5: Evaluation Process and Reforms

The analysis is based on the feedback form filled by 31 students although having an attendance of 76 for session; the analysis generates the following:

Row Labels	Count of Do you find the guest lecture informative?
Yes	30
No	01
Grand Total	31

Yes accounts for the majority of 'Do you find the guest lecture informative?'.

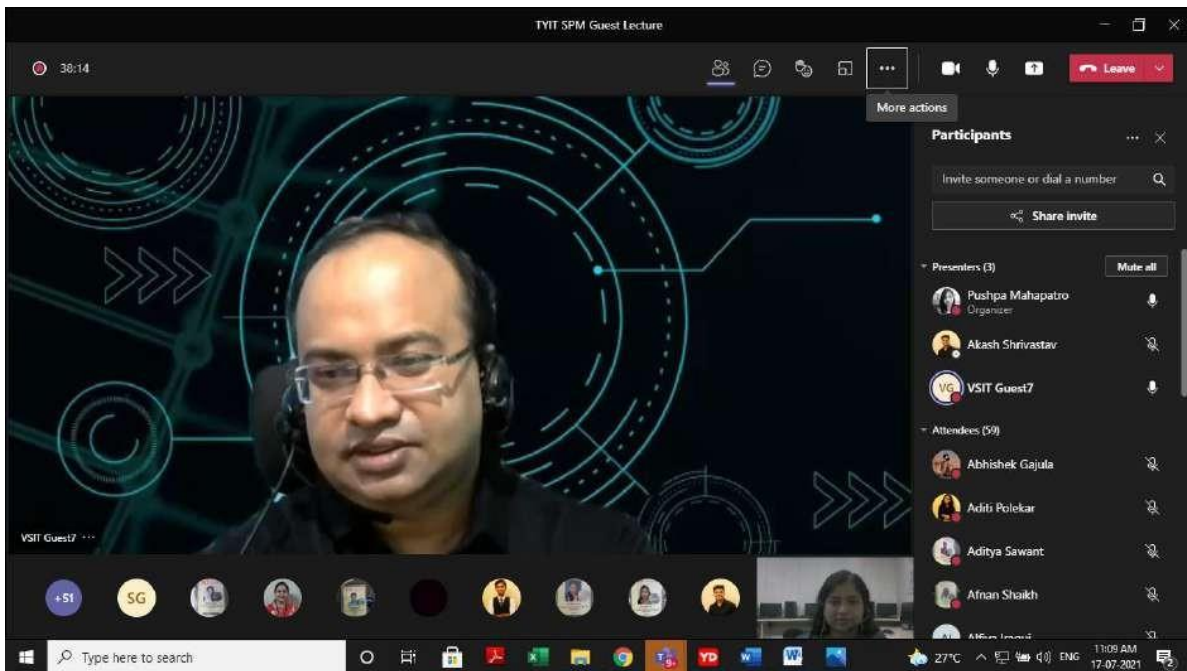
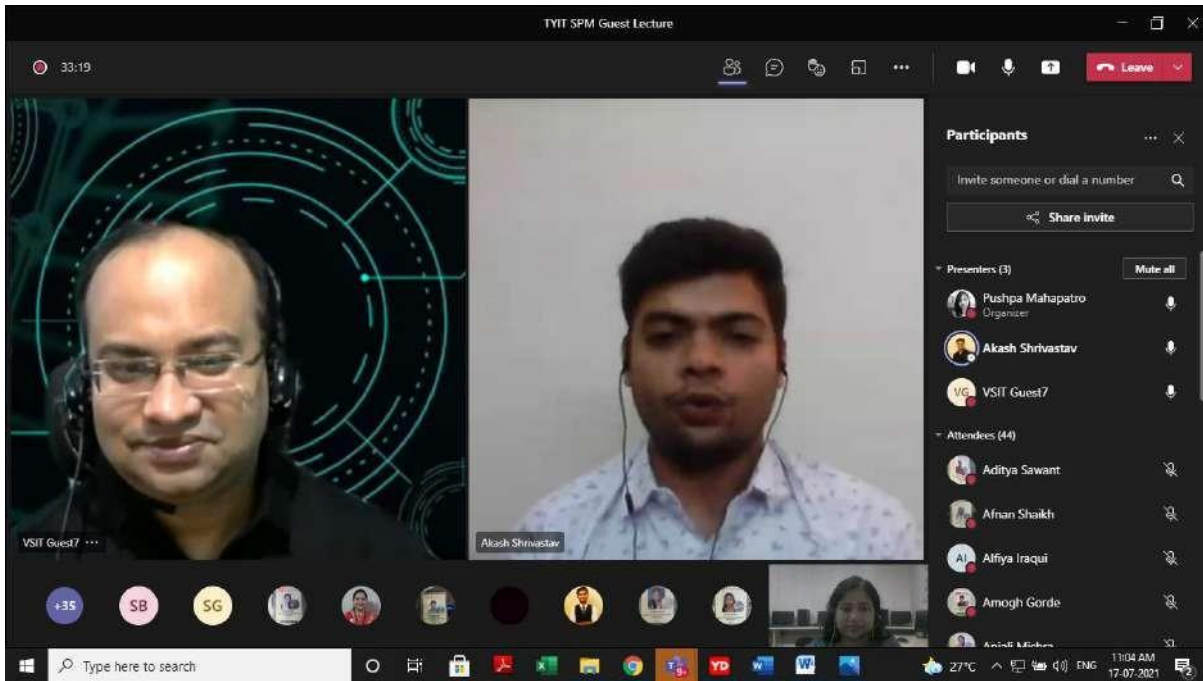


Row Labels	How would you rate the quality of Guest Lecture?
Excellent	14
Very Good	12
Good	04
Average	01
Grand Total	31

Row Labels	How well did the Guest Lecture meet your expectations?
Excellent	14
Very Good	12
Good	05
Grand Total	31

Row Labels	How well the Guest speaker delivered the content?
Excellent	16
Very Good	08
Good	06
Average	01
Grand Total	31

2.5: Evaluation Process and Reforms



TYIT SPM Guest Lecture

01:04:31

Request control

Attendees (57)

Mute all

Soham Lad
Sriman Konda
Sunny Langi
Tanmay Wadkar
Tanvi Mhatre
Vaishnavi Jakkani
Vegna Karampuri
Vishal Rathod
Vishal Yadav
Yash Bagal

Duties of Project Management

Science

- Cost Status
- Schedule Status
- Metric Data Gathering
- Earned Value
- Milestone Reporting

PMO

- Project Planner
- Project Controller
- Project Planning
- Budget/Risk Tradeoffs
- Portfolio Management

Art

- Managing Stakeholders
- Client Interaction
- Executive Communication
- Team Leadership

VSIT Guest7

Type here to search

27°C 11:35 AM 17-07-2021

TYIT SPM Guest Lecture

01:18:40

Request control

Attendees (58)

Mute all

Mrunal Chag
Mrunmayee Patil
Navam Tondlekar
Neelam Mane
Nihar Mora
Noaman Matwawala
Pallavi Tawde
Pavleen Virdi
Prachi Kumathekar
Pranshi Vaghela
Prathamesh Hindalekar

Communication Plan Components

Reston Capital Improvement Program

Audience	Message Type	Delivery Method	Schedule	Message Source
Identify audience for the project including: <ul style="list-style-type: none"> Residents Clusters Committees Working Groups Board of Directors Internal Staff Media Other Key Stakeholders <p>WHO?</p>	Determine Messaging type (may vary by audience): <ul style="list-style-type: none"> Letter Face-to-Face* Status Report Project Update <p>WHAT?</p>	Determine appropriate delivery method: <ul style="list-style-type: none"> Meeting* Informal Presentation Formal Presentation Mail/Email RA News Reston magazine Website <p>HOW?</p>	Determine frequency: <ul style="list-style-type: none"> Daily Weekly Monthly Quarterly Milestone As-Needed <p>WHEN?</p>	Determine source of message: <ul style="list-style-type: none"> RA Board CEO Director of Capital Projects Project Manager Consultant Communications Team <p>OWNER?</p>

*Provide opportunities for 2-way communication

VSIT Guest7

Type here to search

27°C 11:49 AM 17-07-2021

TYIT SPM Guest Lecture

01:30:21

Request control

Food for Thought

- Product Management vs Project Management
- Business Analysis and Project Management
- Project Mindset vs Product Mindset
- Innovation and Project Management
- Project Management Tools
- Project Management in Campus (Semester Projects)
 - How to get connected?
 - kauchw@gmail.com
 - Internship
 - Innovators Lab

Participants

Invite someone or dial a number

Share invite

Presenters (4)

- Pushpa Mahapatro (Organiser)
- Akash Shrivastav
- Ujwala Sav
- VSIT Guest7

Attendees (53)

- Aditi Polekar
- Aditya Sawant (On hold)
- Afnan Shaikh

Windows taskbar: Type here to search, 27°C, 12:01 PM, 17-07-2021

TYIT SPM Guest Lecture

01:44:54

Attendees (32)

- Noaman Matwawala
- Pallavi Tawde
- Pavleen Virdi
- Pranali Vaghela
- Prathamesh Hindalekar
- Priya Ghadge
- Rahul Jain
- Sahil Bhadochkar
- Sairaj Adarkar
- Sairam Gundu
- Sankalpa Bagwe

Windows taskbar: Type here to search, 27°C, 12:15 PM, 17-07-2021

Workshop Report on "Insurance Process knowledge in context to Object orientation"

Organised by- Software Development Cluster

Date: - 18th April 2022

Time: - 3:30 PM to 5:00 PM

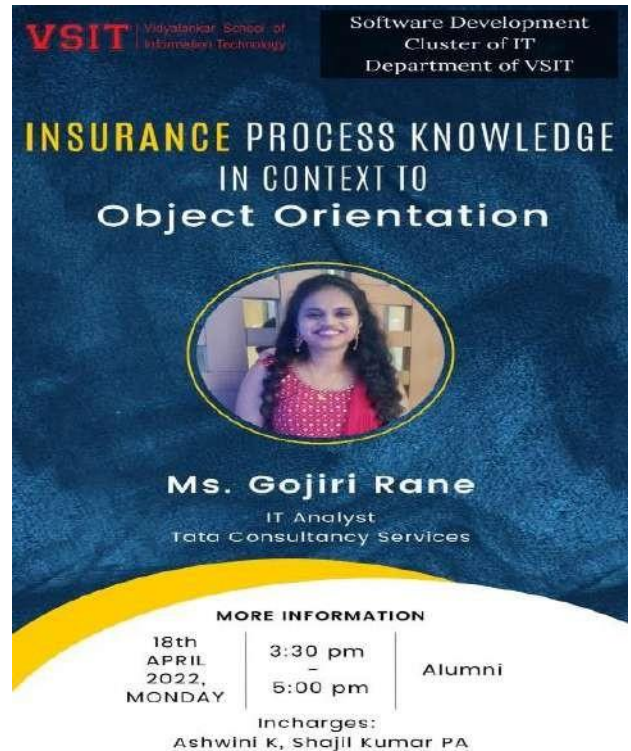
Audience: FYBScIT Students

Platform: - MS TEAMS app

Total students attended:67

Faculty in charge: Prof. Shajil Kumar, Prof. Ashwini Koyande

Resource Person: Ms. Gojiri Rane



Software Development cluster of VSIT had organized a workshop on "insurance Process knowledge in context to Object Orientation" The Agenda of conducting this workshop was to give the knowledge about Object Oriented. It was very well planned workshop and many students actively participated in this event.

First of all, Mr. Shajil Kumar PA sir introduced the guest Ms. Gojiri Rane. Gojiri is a alumni of VSIT and she is working in TCS, as IT analyst.

Ms. Gojiri gave an informative speech on the importance of insurance process at the start of the workshop. After that she explained the benefits of Insurance process knowledge in context to object orientation.

Then she told the types of insurances which are Life, Health, General etc. After that the process of Insurance was explained. It starts with lead and ends with dispatch.

At the end of the workshop the queries of the students were explained by Ms. Gojiri Rane. The teachers appreciated all the students who actively participated in the workshop and making it a successful. Then feedback form was filled by all students. Mr. Shajil sir presented a vote of thanks to Ms. Gojiri Rane for giving her valuable time.

Virtual Visit to Server Room-Computer Networks

Networking and Systems Cluster of Information Technology Department of Vidyalankar School of Information Technology had organized a Virtual Visit to Vidyalankar Campus Server Room for Computer Networks subject focusing on aspects like Security; types of servers and uses of firewall. The resource person for the session was Mr. Sunil Thube System Administrator for Vidyalankar Campus. The event details were as follows:

Date: 09th August 2021

Time: 4.00 pm to 5.00 pm



Takeaways:

Vidyalankar Campus which spans 11 acres and has 3 colleges having a great strength of 5000+ students are making use of the college resources, so keeping that thought as well as the subject which we are teaching the beyond syllabus activity has been planned to offer the students a look inside to the Server Room of Vidyalankar, an immersive experience that provides a walk-through of simulated network structure, network rooms, and operations equipment's etc.

Mr.Sunil Thube began the session by introducing the network topology of the campus and why the topology has been implemented than further making them understand the reasons for the use of firewall which provides application blocking, port blocking, security parameters for the packets, access control implementation.

Futher Mr.Thube explained the students the various server configuration the college has and how they are divided as per the application we are using, also explaining the what if the failure occurs on any one server area. Sir further also explained the internet service providers which are a part of Vidyalankar, and the bandwidth allocation used within the campus as well as the reliability of the ISP's. The goal of the virtual tour was to explain the physical infrastructure supporting implemented in our campus also giving them the realistic view for compilation of the theory taught and implemented.

This session was highly useful to the students as they got familiarized by having an open interaction with the resource person on the currents trends opted by industry during the pan epidemic, expectation of the industry from freshers and knowing the importance of practical implication.

Analysis:

The analysis is based on the feedback form filled by 48 students although having an attendance of 117 for session; the analysis generates the following.

Row Labels	Count of How would you rate the quality of virtual visit?
Excellent	26
Very Good	18
Good	4
Grand Total	48

Row Labels	Count of How well the speaker delivered the content?
Extremely well	40
Somewhat well	7
Neutral	1
Grand Total	48

Feedback: What are your takeaways from the session?

Networking and etc

lots of knowledge

Insights of the campus

got to know about VSIT & Server Room

knowledge

Informative session

Knowledge about server

It's great to attend informative lecture and to take great ideas

About servers

server

Information about servers and connections.

Regarding network

Great Knowledge about server's firewall and database

I learnt how network is connected

Gained a lot of information about servers and networking. It was a very good session.

Get more info about server and routers

Understand server and its components

was a very informative session with a visual knowledge

The best part is that the teachers are very much friendly and helpful

Motivation for project on IoT



Case Study Presentation on Big Data Analysis

Networking and Systems Cluster of Information Technology Department of Vidyalankar School of Information Technology had organized a Case study presentation on Big data. The judge for the presentation was Mr. Mandar Nimbkar, Director, Cap Gemini, Mumbai. The event details were as follows:

Date: 14th August 2021

Time: 12.30 pm to 12.00 pm

Takeaways:

Mr. Nimbkar started the session by imparting his knowledge and experience in the field of IT and Big Data. He also talked about emerging capabilities in large computational data to include speed, data fusion, use, and commodification of data used in decision making.

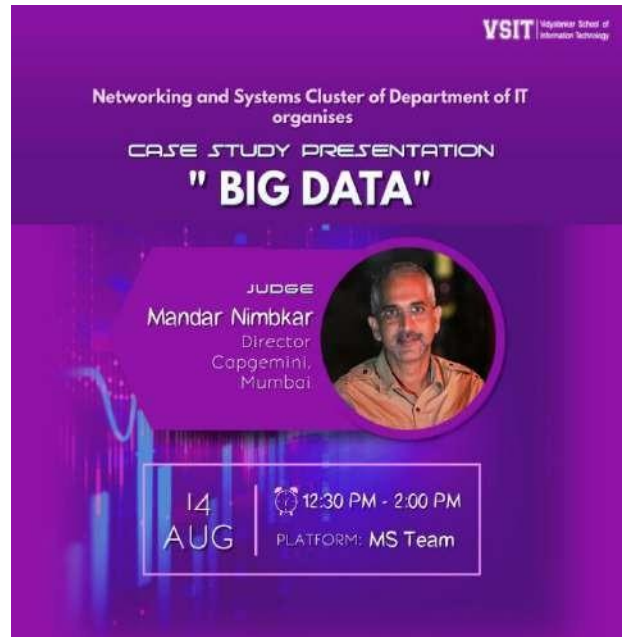
Later Student started with their presentation. Total seven case studies from different domain such as entertainment, marketing , space, banking and academics were discussed. Following are topics

Here is list of case study topics discussed

- **Big Data in Business Analytics(LA REDOUTE) by Amogh Gorde and Vaidehi Jadhav**
- **Big Data in Banking Sector by Tanmay Wadkar**
- **Big Data in Business Insights(Netflix) by Sairam Gundu and Kaustubh Bharade**
- **Big data in Space Sector (NASA) Himanshu Singh and Kanak Verlekar**
- **Big Data in Education by Afnan Shaikh**
- **Big Data in Banking Industry by Saish Bharmal and Prachi Kumthekar**
- **Big data in Space Sector (NASA) Ninad Kalekar and Dhananjay Gupta**

After the presentation of all case studies the reviewer, Mr. Mandar Nimbkar has given very genuine feedback about each presentation and gave some tips for preparing case studies content. The reviewer has also clarified some doubts from audience and participants. Sir has also appreciated the efforts taken by our students for the presentation. He suggested to focus on technological aspect in detail. The reviewer then declared the first three best case studies

1. **Big Data in Business Insights(Netflix)**
2. **Big Data in Business Analytics(LA REDOUTE)**
3. **Big Data in Education by Afnan Shaikh , Big data in Space Sector (NASA) Himanshu Singh and Kanak Verlekar**



Mr. Mandar Nimbkar was successful in giving the young minds a brief about the template and guidelines for any technical case study which students should follow.

Analysis:

The analysis is based on the feedback form filled by 13 students although having an attendance of 45 for session; the analysis generates the following.

Row Labels	Count of Did you find the presentation informative?
Yes	14
No	0
Grand Total	14

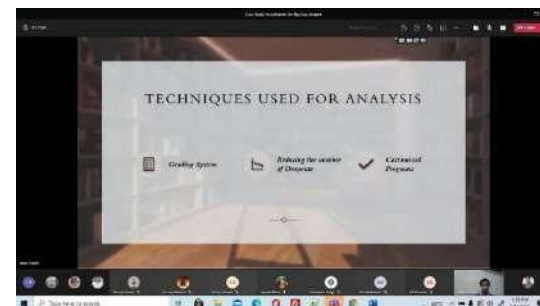


Average of How would you rate the quality of the Presentation?

4.57 (On 5)

Average of How would you rate the information shared by the judge?

4.50 (On 5)



Platform used by Netflix

NETFLIX uses AWS (Amazon Web Services)



Value Added Course on Working with Cassandra Database

Networking and Systems Cluster of Department of Information Technology of Vidyalkar School of Information Technology organized Value Added Course on Working with Cassandra Database for T.Y.B.Sc. IT students. The course is conducted by Ms.Seema Murkar and Ms. Spruha More .

The event details were as follows:

Date: 30th Aug – 4th Sep 2021

Time: 3 pm to 5.30 pm

Takeaways:

On the first day of VAC NoSQL database Concept & Cassandra Database Architecture were covered. The second day began with introduction to Cassandra data model, later on the same day students have done the installation of Cassandra Shell on their terminals. On third & fourth CRUD operations and Data Modelling were covered where students have learnt basic to advanced queries to handle unstructured data and also learnt how to mapped relational database onto non- relational database.

. On the fifth day of VAC connection of Cassandra database with Java application were covered where first the required drivers and the steps for connection were discussed then students could successfully transfered data between Java Application And Cassandra database.

On the lastday few case studies were discussed - Hotel Booking Application table designing in Cassandra database, online shopping cart application.

On each day of VAC an assignment of 20Marks were scheduled for all participants from 7:00PM to 10:00PM. The first three assignments were of MCQ's type based on Cassandra Architecture, data model & installation , fourth and fifth assignment consisted of PBL based on CRUD operations , sixth assignment covered questions based on converting relational database to non- relational database.

All the attendees were provided with E-Certificates. The workshop overall received very positive feedback from the attendees, and all the attendees enjoyed the hands-on training to the utmost level.



Analysis:

The analysis is based on the feedback form filled by 14 students although having an average attendance of 20 students for session; the analysis generates the following.

Row Labels	Count of Did you find the session informative?
Yes	14
No	0
Grand Total	14



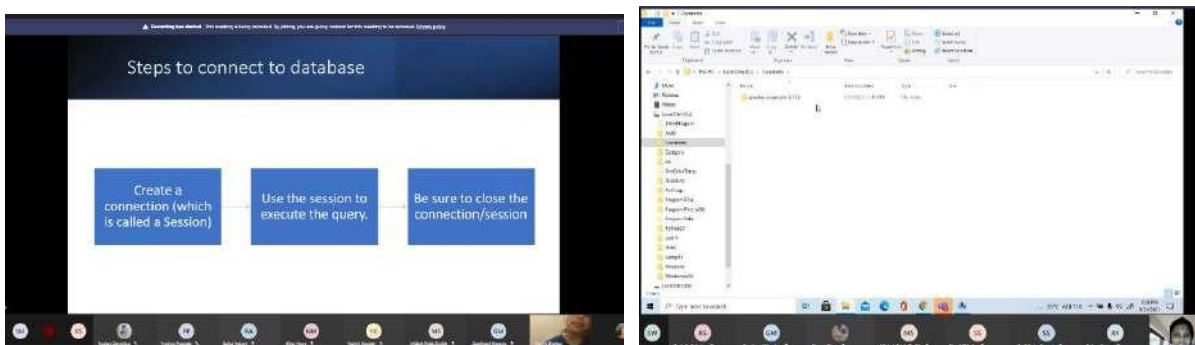
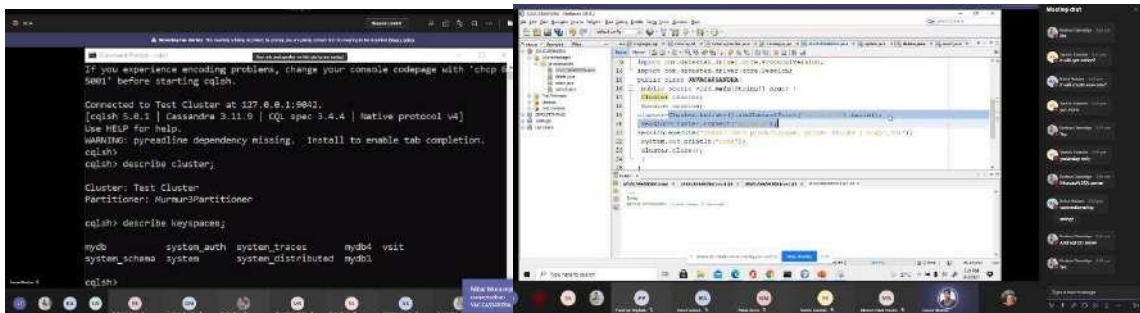
Average of How would you rate the quality of the course?

4.64(On 5)

Average of How would you rate the information shared by the speaker?

4.50(On 5)

Photos



Oracle Developer/Administrator Certified Associate (OCA)

Department of IT, VSIT organised a Value - Added Course on Oracle Developer/Administrator Certified Associate (OCA) for Second Year B.Sc. IT students.

It was conducted by Mr. Hrishikesh Tendulkar and Dr. Kimaya Shelar, Ms. Rohini Desai Assistant professor at VSIT.

The course was conducted on 25th April to 29th April 2022 from 10.00 a.m. to 12:30 p.m. Break 1.00 p.m. to 4.30 p.m. Total 30 students of VSIT enrolled for the course and No fee was charged for students belonging to VSIT.



On the first day, basic concepts of PL/SQL variables, basic block concepts were covered. These concepts helped students understand the entire working of the PL/SQL block. We also covered various types of blocks.

On the second day different constructs like if, case, while and for and more advanced data type storing techniques like %TYPE and %ROWTYPE and conversion were taught.

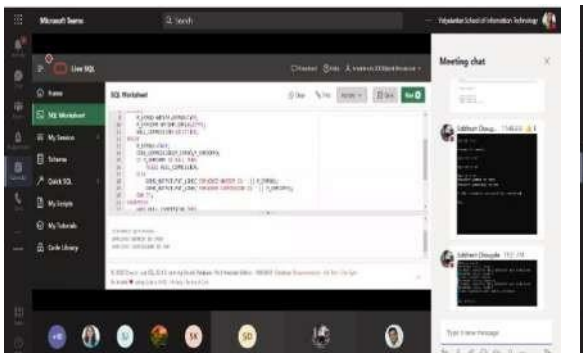
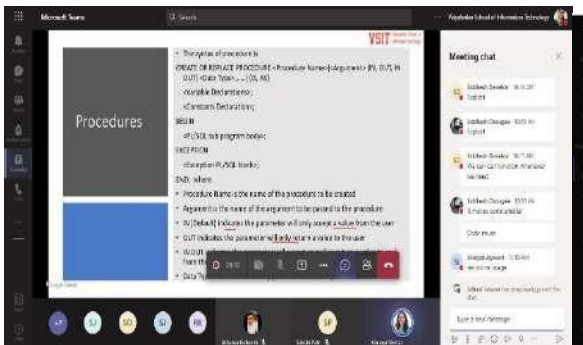
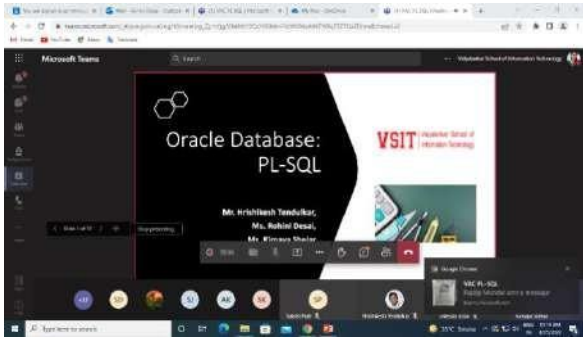
On the third day we covered topics like functions and procedures and various control modes in procedures and different types of procedures.

On the fourth day, we covered the topics like user defined packages and various types of triggers.

On the fifth day, revision of topics with doubt solving and a test was conducted based on the topics covered in the course.

Every day in the second half of each session an assignment was given based on the topic taught in first session which they had to submit on that day itself.

The overall course was conducted in 30 hrs.



Video Competition Event for B.Sc. IT Students

Date of activity	4th September 2021
Timing	11:00 AM to 12:00 PM
Platform	MS Teams
Conducted by	B.Sc.IT Department
Faculty -In Charge	Prof. Pushpa Mahapatro Prof. Laxmikant Manchekar Prof. Rajendra Patole Prof. Spruha More
No. of Participants	33

Information Technology Department organised a Video Competition Event for B.Sc IT students . The judges of the event were Mr. Pramod Kumar Project Manager and Leadership Development, Ariece Strategies, Mr. Pankaj Chahal Co-founder, Director Strategic BU at Grads IT and Ms. Pooja Naik currently working in IDFC First Bank as a Territory Manager.

Event started with introduction of Judges done by our student Mr. Akash Shrivastava followed by welcome address by Chief Academic Officer of IT department Prof. Sarika Chouhan madam. Total nine group of students from second year and fifteen group of students from third year of B. Sc.IT participated in this video competition event. All three judges appreciated the efforts taken by students. Top three groups from each year have awarded with certificate.





“Video Competition Event for B.SC. IT Students”

Feedback Summary


Attendee Information:

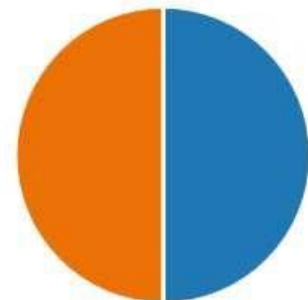
Total Attendees: 33

Feedback Summary:

What is your role in college?

[More Details](#)

 Teacher	4
 Student	4



How would you rate the quality of Completion?

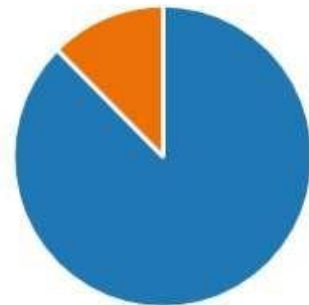
[More Details](#)

● Excellent	5
● Very Good	2
● Good	0
● Average	0
● Poor	1



[More Details](#)

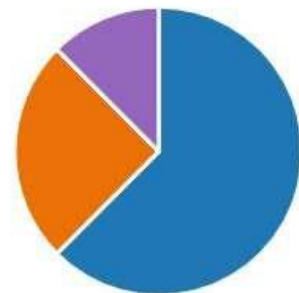
● Yes	7
● No	1



How well did the video competition meet your expectations?

[More Details](#)

● Excellent	5
● Very Good	2
● Good	0
● Average	0
● Poor	1



How well the judges of event judged the competition?

[More Details](#)

● Excellent	6
● Very Good	1
● Good	0
● Average	0
● Poor	1



Report of Panel Discussion on “Cyber Security and Soft Computing Techniques”

Organised by- Software Development cluster

Date: - 5th Feb 2022

Time: - 2:00 PM to 4:00 PM

Audience: IT and DS Students

Platform: - MS TEAMS app

Total students attended:55

Faculty in charge: Prof.Aasha Chavan,Prof. Ashwini Koyande,Prof. Janhavi Vadke,Dr. Pallvi Tawde

Resourse Person: Mr. Sarang Nagmote, Ms. Dhrumi Gada, Mehul Shah(Alumni), Mr. Vishak Gopkumar(Alumni)

VSIT | Vidyalankar School of Information Technology
 Department of Information Technology of Vidyalankar School of Information Technology Organizes
PANEL DISCUSSION
 “CYBER SECURITY AND SOFT COMPUTING TECHNIQUES”

	MR. SARANG NAGMOTE Info security leader (Global information security) Cyber security jobs that are shaping the future
	MS. DHRUMI GADA Chief Minister's Fellowship (Maharashtra Cyber department) My experience at Maharashtra Cyber
	MR. MEHUL SHAH Engineer – Cloud & Infra Services (LTI) Cloud computing
	MR. VISHAK GOPKUMAR (ALUMNI) Associate Data Scientist (Knight Finitech) Artificial Intelligence And Machine Learning

DATE:- 5 FEBRUARY 2022
TIME:- 2.00 PM - 4.00 PM
TARGET AUDIENCE:- FY,SY,TY BSCIT & FY DATA SCIENCE
TEACHER IN-CHARGE
 MS. AASHA C., MS. ASHWINI K., MS. JANHAVI V., DR. PALLAVI T

Department of Information Technology of VSIT had organized a Panel Discussion on “Cyber Security and Soft Computing Techniques”.

The Agenda of conducting this Panel discussion was to make students aware about Cyber Security and Soft Computing Techniques in IT. It was very well planned activity and more than 50 students actively participated in this event.

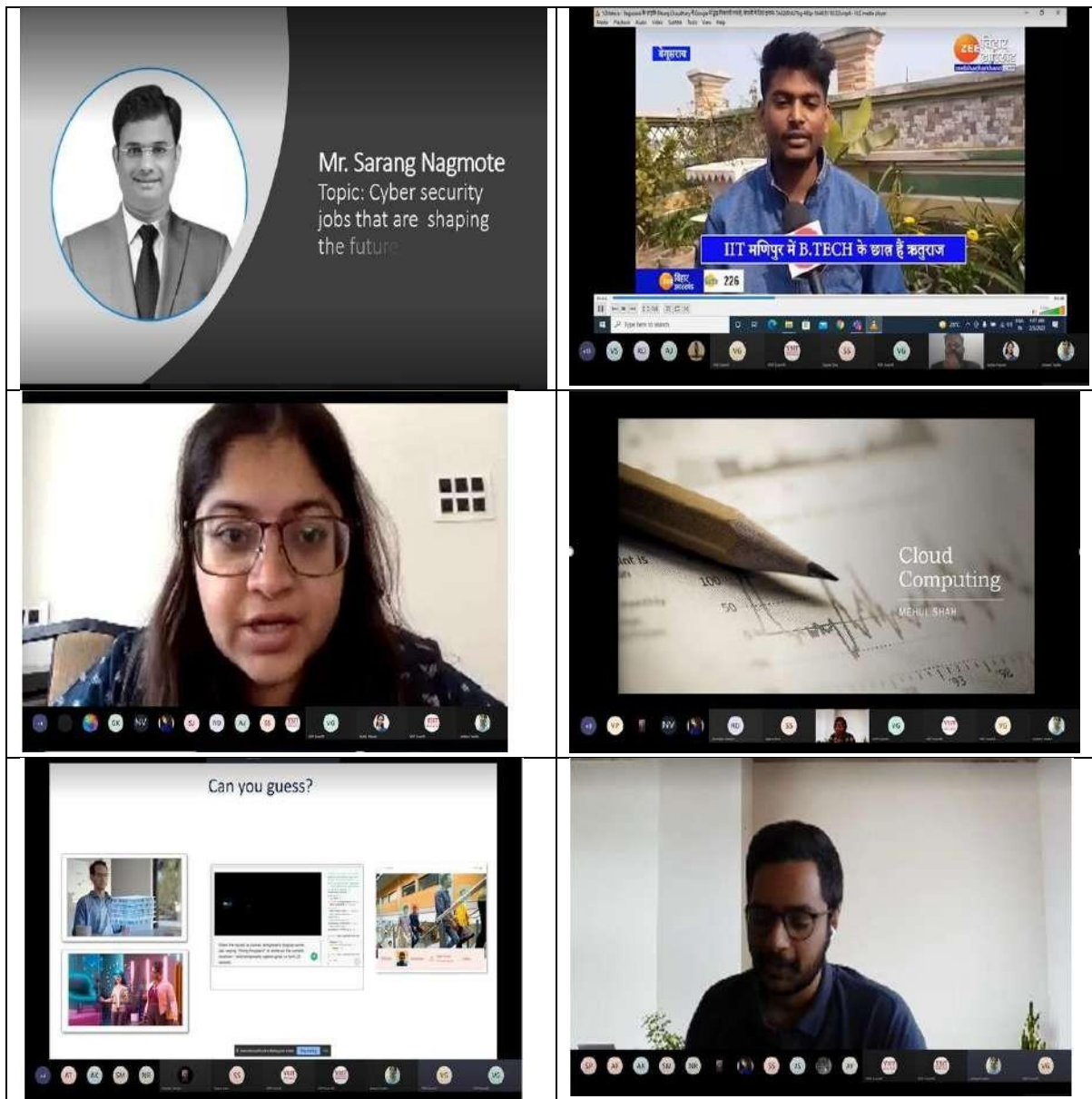
First of all, Ms Aasha Chavan Ma’am started with welcoming all participants and Resource persons of the event. The session was started with blessings of Goddess Saraswati Vandana. Then, Ms. Janhavi ma’am introduced all the panelists and then the first panelist Ms Dhrumi Gada(Chief Minister’s Fellowship Maharashtra Cyber department) shared her experience of Maharashtra Cyber as she is associated with that. Different cases was discussed in detail by her. Then Mr. Sarang Nagmote(Info security leader, Global information security) spoke on the topic Cyber security jobs that are shaping the future. Students got to know about different career options available in the domain of cyber security. Also, students realized importance of the cyber security in the field of IT. After that Third panelist Mr.Mehul Shah (LTI in cloud and infrastructure) spoke on Cloud computing. He shared his practical knowledge on the areas of Cloud Computing. And then Mr. Vishak Gopkumar(Associate Data Scientist, Knight Finitech) explored his immense knowledge on the topic Artificial Intelligence and Machine Learning.

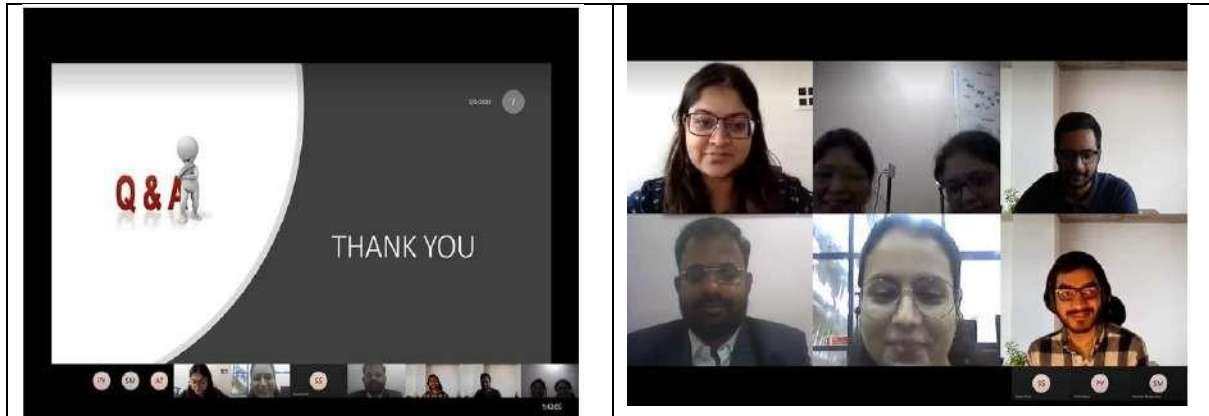
He also shared the different real life examples of AI and ML and its uses to make the student's understand about it. The entire session was so informative and interactive.

Students were very enthusiastic and actively involved in question and answer session. Many questions were asked by the students and moderator Aasha ma'am to Panelists on their respective areas and Panelists answered all of them very nicely.

The teachers appreciated all the students who actively participated in the Panel Discussion and making it a successful. Then feedback form was filled by all students. At the end, Ms. Ashwini ma'am delivered a vote of thanks to all the panelists for giving their valuable time.

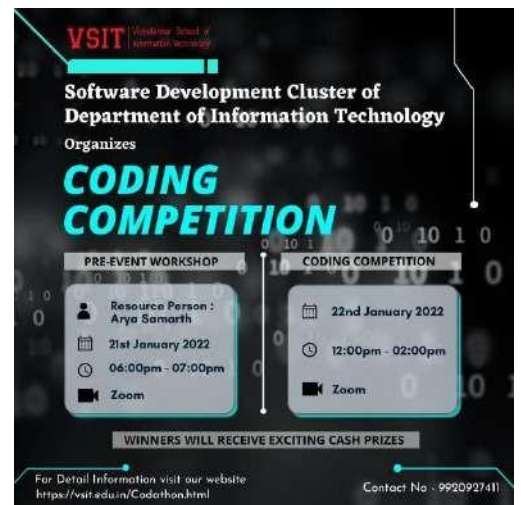
Glimpses of the Activity:





ONLINE CODING COMPETITION

Date:	21 st & 22 nd January, 2022
Time:	21 st January - 6p.m to 7p.m 22 nd January – 12p.m to 2p.m
Platform:	HackerRank
Organised By:	Department of IT
Resource Person:	Arya Samarth, Alumni, VSIT
Faculty in-charge:	Ms. Seema Murkar Ms. Ketaki Ghawali



The Software Development Cluster of Department of Information Technology organized an **Online Coding Competition** with a motive to engage the students in an interesting, mind scratching programming competition. The competition saw a great number of competitors from VSIT's students as well as from other colleges which were 25+ teams in number.

There was a **Pre – Event Workshop** organised for the participating teams. The resource person for the workshop was Arya Samarth, Alumni of VSIT, now studying in the Pennsylvania State University. Arya conducted the session by giving lots of examples of how to use the Hackerrank Platform. The participants asked questions and got their doubts solved. Arya made the pre – event workshop quite interesting and interactive.

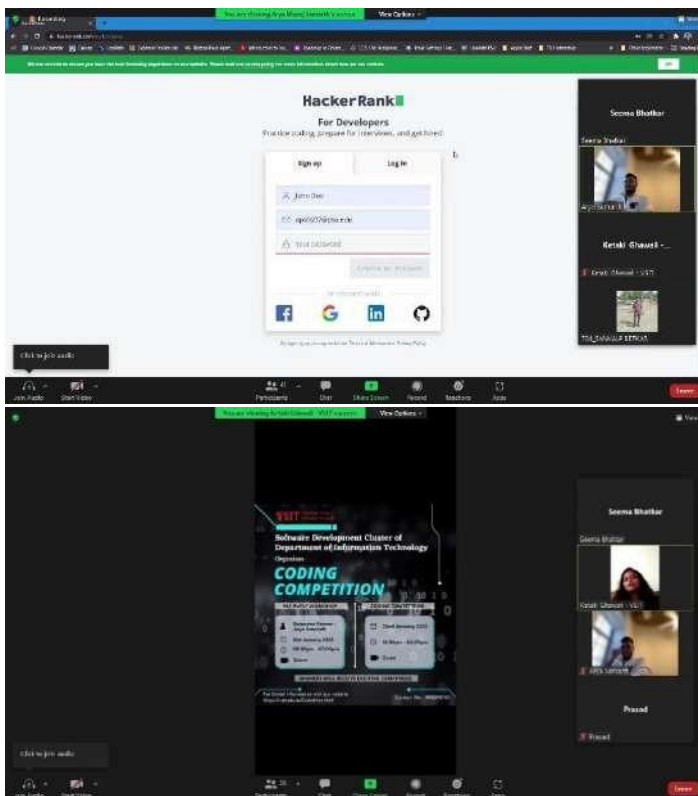
The competition was a 2-hour event and competitors were permitted to code in any known programming language like C, C++, JAVA, PYTHON, C#, etc. The competition was commenced by **Ms. Ketaki Ghawali** who invited all the competitors.

The competition comprised of 3 challenges with a total of 100 points to score. Each competing team was analysed based on the total points collected and time in which the competition was completed.

Competitors started completing the challenges one after the other. As the difficulty of the challenges increased the time spent on the challenge also kept on increasing. Competitors wrote their code, tried and tested them to get the desired output and to satisfy all the test cases. Once the code satisfied all the test cases, they were awarded the desired points. If there were errors, they had to minimise those errors in order to achieve the full points.

After 2 hours of mind quenching and coding the competition came to an end at 2.00pm. With tight competition for the winner and runners-up places the results were announced. The **2nd Runners-Up** place went to Dhaval Kacha – K.E.S Shroff College, Kandivali. The **1st Runners-Up** place went to Vinayak Nikan & Sankalp Betkar – Sathaye College. The **Winner** of the Online Coding Competition was Burhanuddin Savliwala & Vidhan Shah – Dwarkadas Jivanlal Sanghvi College. The purpose of the competition was to give the young minds a competitive experience in this short span of time which was surely met.

The event was brought to its conclusion by Ms. Ketaki Ghawali presenting a vote of thanks & congratulating all the competitors and the winners. This event was indeed seen as success.





QGIS Spoken Tutorials Course

MOOC's PGIS

Networking and Systems Cluster of Information Technology Department of Vidyalankar School of Information Technology had organized MOOC's for Principles of Geographic Information Systems subject focusing on QGIS Concepts and commands. The course was conducted by Spoken Tutorials IITB. QGIS (previously known as Quantum GIS) is a free and open-source cross-platform, desktop geographic information system (GIS) application that supports viewing, editing, and analysis of geospatial data. QGIS functions as geographic information system (GIS) software, allowing users to analyse and edit spatial information, in addition to composing and exporting graphical maps. QGIS supports both raster and vector layers; vector data is stored as point, line, or polygon features. Multiple formats of raster images are supported and the software can georeference images. QGIS integrates with other open-source GIS packages, including PostGIS, GRASS GIS, and MapServer. Plugins written in Python or C++ extend QGIS's capabilities. Plugins can geocode using the Google Geocoding API, perform geoprocessing functions, which are similar to the standard tools found in ArcGIS, and interface with PostgreSQL/PostGIS, SpatiaLite and MySQL databases. The Spoken Tutorial Effort for QGIS has been contributed by Dr. Snehalatha Kaliappan from IIT-Bombay and Prajwal.M from NIT Suratkal.

The event details were as follows:

Resources: 15 Videos of 15 - 20 minutes each

Exam Date: 03 April 2021

Takeaways:

Contents of the course were:

1. Installation of QGIS: System requirements to install QGIS Add QGIS repositories on Ubuntu Linux OS Installation of QGIS on Ubuntu Linux OS Visit the Official QGIS Website Download QGIS installer
2. Coordinate Reference Systems: Add layers to the projections in QGIS Change the color of the layer Resize the panels on the canvas View metadata information for layers in QGIS Save selected features
3. Digitizing Map Data: Create Point and Polygon shape files Digitize Point and Polygon shape files About Toggle editing and Add Feature tools Open attribute table for Point feature Open attribute tab.
4. Importing Spreadsheets: Import spreadsheets in CSV format to create a Point layer Convert Point layer to a Polyline layer About QGIS Geotools About WMS layers Select a WMS map from Bhuvan website
5. Vector Data Styling: Load vector data in QGIS Open attribute table for the layer Learn to style vector layers using, Single symbol styling Categorized styling
6. Geometric Properties of Vectors: Show attribute table for a shapefile layer Show selected features from attribute table on the map Change the CRS of the layer Add columns to the attribute table Calculate
7. Raster Data Styling: Information about download and save example files from the Code files link Change Coordinate Reference System for the given layer Use Identify Features tool to view the pixel
8. Creating a Map: Information on how to download the example files given in Code files link Add vector layer on canvas Show labels for the cities on the map About Print Composer tool

9. Creating Dataset Using Google Earth Pro: About Google Earth Pro program. Download and install Google Earth Pro on Ubuntu Linux 16.04. Navigate Google Earth Pro.
10. Plugins: Information about the Plugins Enable Core Plugins Install an External Plugin Locate a Plugin on QGIS interface Install QuickMapServices Plugin Download OpenStreetMap data
11. Table Joins and Spatial Joins: Load vector layer on QGIS canvas Open attribute table for the layer About different types of combining attribute data Add Delimited Text Layer on QGIS canvas
12. Nearest Neighbour Analysis: Open shape files showing locations of volcanoes and cities on QGIS canvas Open attribute table for the layers About Nearest Neighbour Analysis Statistical analysis
13. DEM Analysis: About Digital Elevation Model (DEM) analysis Open Shuttle Radar Topography Mission (SRTM) data website Download DEM data from SRTM data website Save DEM data from SRTM data webs.
14. Create Contour Lines: Add DEM on QGIS map canvas Clip area in DEM using Clipper tool About contour lines Show contour lines for the DEM Change the color of the contour lines
15. Interpolation: About Interpolation Methods of interpolation Load the vector layer on QGIS canvas Label the Point features on the map Enable Interpolation Plugin About Inverse Distance

Total 152 students from TYBScIT registered for the course and watched all the 15 videos. 140 students were able to qualify the exam. Highest score of 92% was achieved by MAYURESH SUKHADARE. Two faculty members namely Ms. Pushpa Mahapatro and Ms. Ujwala Sav also registered for the course and qualified the exam with good score of 90%.

Analysis:

The analysis is based on the feedback form filled by 81 students. The analysis generates the following:

Row Labels	Do you find the Spoken Tutorials QGIS Videos informative?
Yes	80
No	1
Grand Total	81



Row Labels	Count of How would you rate the quality of Spoken Tutorials QGIS?
4 - Excellent	29
3 - Very Good	28
2 - Good	19
1 - Average	05
Grand Total	81

Row Labels	Count of How well did the Spoken Tutorials QGIS meet your expectations?
4 - Excellent	24
3 - Very Good	30
2 - Good	22
1 – Average	05
Grand Total	81

Row Labels	How well the Video and Exam helped in enhancing your skills?
4 - Excellent	23
3 - Very Good	33
2 - Good	20
1 – Average	05
Grand Total	81

Row Labels	Would you like to give such exams in future?
Yes	73
No	03
Grand Total	81

The image is a composite of two parts. The top part shows a grid of approximately 40 student video feeds arranged in a classroom-like layout. The bottom part is a screenshot of a web browser displaying the 'Spoken Tutorial' student dashboard. The browser's address bar shows the URL 'https://spoken-tutorial.org/participant/index/'. The dashboard includes a search bar with 'QGIS (15)' entered and a 'Search' button. Below the search bar, there are tabs for 'Post training', 'Post test', 'Ongoing test', and 'Upcoming test'. A table displays the following data:

Technology	Date & Time	Action
QGIS	April 1, 2021 8 a.m.	30.0% - Certificate
Cpp	March 30, 2021 8 a.m.	Waiting for Attendance
Introduction to Computers	March 20, 2021 8:35 a.m.	Enroll
Introduction to Computers	March 19, 2021 11 a.m.	Enroll
Introduction to Computers	March 19, 2021 9 a.m.	Enroll
Introduction to Computers	March 19, 2021 8 a.m.	Enroll
Introduction to Computers	March 19, 2021 11 a.m.	Enroll

The bottom of the screenshot shows a Windows taskbar with several application icons and a video call interface with participants: Shriani Karske, Pooja Sakrulla, Mayank Pathi, Robin Singh, and Ujjwala Sai.

The screenshot displays a web browser window with the URL <https://spoken-tutorial.org/participant/index/>. The page header features the 'Spoken Tutorial' logo and navigation links for 'Software Training', 'Creation', 'News', 'Academics', 'About', 'Forums', and 'Statistics'. A user profile 'ujwala.sav@vst.edu.in' is visible in the top right.

Below the header, there are two dropdown menus for 'All Courses' and 'All Languages', followed by a 'Search' button and a 'Keyword Search' field. A note states: 'For the purpose of course selection, go here: Software Offered'.

The main content area is titled 'Student Dashboard' and contains four tabs: 'Past Training', 'Past Test', 'Ongoing Test', and 'Upcoming Test'. The 'Ongoing Test' tab is active, displaying a table with the following data:

Technology	Date & Time	Action
QGIS	April 1, 2021 8 a.m.	90.0% - Certificate
Cpp	March 30, 2021 8 a.m.	Waiting for Attendance
Introduction to Computers	March 20, 2021 8:35 a.m.	Enroll
Introduction to Computers	March 19, 2021 11 a.m.	Enroll
Introduction to Computers	March 19, 2021 9 a.m.	Enroll
Introduction to Computers	March 19, 2021 8 a.m.	Enroll
Introduction to Computers	March 5, 2021 11 a.m.	Enroll

At the bottom of the browser window, a Windows taskbar is visible with various application icons and a system tray showing the date '03-04-2021' and time '14:05'. Below the browser window, a Zoom meeting interface is partially visible, showing participant avatars for Shiruti Kanse, Pooja Sakrulla, Mayank Padhi, Robin Singh, and Ujwala Sav.

Vlabs SPM:



Earned Value Management

Aim: Using Earned Value Management to Monitor Project Performance.

Broad Goal of the experiment:

- Students will be able to Focus on project performance measurement.
- Students will get a Realistic snapshot of project status.
- Students will have Opportunity to correct the issues.



Software Project Management Assessment #4

Name		Division	Div A / B / C / D / E
Class	T.Y.B.Sc.(I.T.)	Roll Number	
Assignment 1	Unit 4		
Objective	To revise Unit 4 topics and problems		

1. Screenshots of Aim, Theory and Procedure

Please find the link of Vlabs SPM on Unit 4:

<https://vsit.edu.in/vlab/SPM/main%20ckt/main%20page/aim.html>

We will use it as our unit 4 end assessment.

Also, find the feedback link of the

same: <https://forms.office.com/r/n9CATDhNGw>


Please collect feedback as we can show it as an activity.

Feedback form on vlabs

Feedback on VSIT Virtual Labs

Vlabs link: <https://vsit.edu.in/vlab.html>

1. Please select the Topic of Vlabs: *


Select your answer 

2. Do you find the Vlabs informative? *

Yes

No

3. How would you rate the quality of Vlabs? *

Select your answer 

4. The Virtual lab experiment was easy to use and perform. *

Strongly agree

Agree

Feedback on VSIT Virtual Labs

176

Responses

02:56

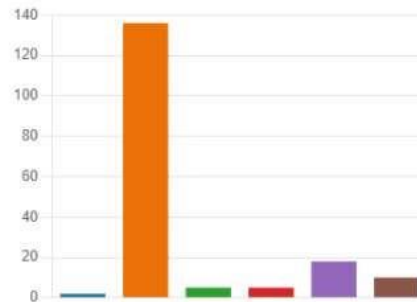
Average time to complete

Active

Status

1. Please select the Topic of Vlabs:

● NLP Morphology	2
● Earned Value Analysis	136
● N-Queen Problem	5
● Array implementation of Stack...	5
● Python Programming	18
● Other	10



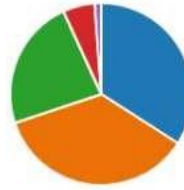
2. Do you find the Vlabs informative?

● Yes	172
● No	4



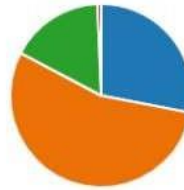
3. How would you rate the quality of Vlabs?

● Excellent	60
● Very Good	63
● Good	41
● Average	10
● Poor	2



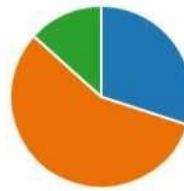
4. The Virtual lab experiment was easy to use and perform.

● Strongly agree	42
● Agree	82
● Neutral	25
● Disagree	1
● Strongly disagree	0



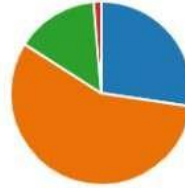
5. The theory provided for the virtual lab experiment was relevant to the topic covered in the lab.

● Strongly agree	45
● Agree	85
● Neutral	20
● Disagree	0
● Strongly disagree	0



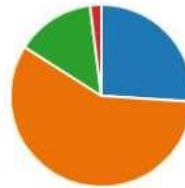
6. The procedure to perform the Virtual lab experiment was clearly stated and I could carry out the same.

Strongly agree	41
Agree	85
Neutral	22
Disagree	2
Strongly disagree	0



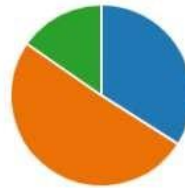
7. I could use the Simulator to perform the experiment in the Virtual lab.

Strongly agree	39
Agree	87
Neutral	21
Disagree	3
Strongly disagree	0



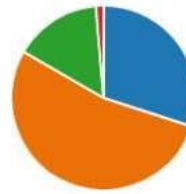
8. The Pre-Test and Post-Test questions were relevant to the topic covered in the virtual lab experiment.

Strongly agree	51
Agree	76
Neutral	23
Disagree	0
Strongly disagree	0



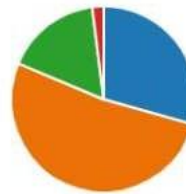
9. I found the Virtual lab experiment interesting and engaging.

Strongly agree	45
Agree	80
Neutral	23
Disagree	2
Strongly disagree	0



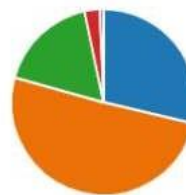
10. I was able to improve my conceptual understanding by performing the virtual lab experiment.

Strongly agree	44
Agree	78
Neutral	25
Disagree	3
Strongly disagree	0



11. I wish there were more such experiments in the various courses in the syllabus.

Strongly agree	43
Agree	76
Neutral	26
Disagree	4
Strongly disagree	1



12. Any suggestions for improvement of the Virtual lab experiment?

174
Responses

Latest Responses

"Just a correction in pre-test question 9, the actual answer is op..."

"No"

"NA"

22 respondents (13%) answered **good** for this question.



Spoken Tutorials:

VSIT Vidyalankar School of Information Technology	Note
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Date: - 12th October, 2021

Spoken Tutorial Exam for TYBSc.IT students.

Department of Information Technology of Vidyalankar School of Information Technology is organizing Spoken Tutorials Certification Session for TY BSc.IT students.

The details of the activity are as follows:

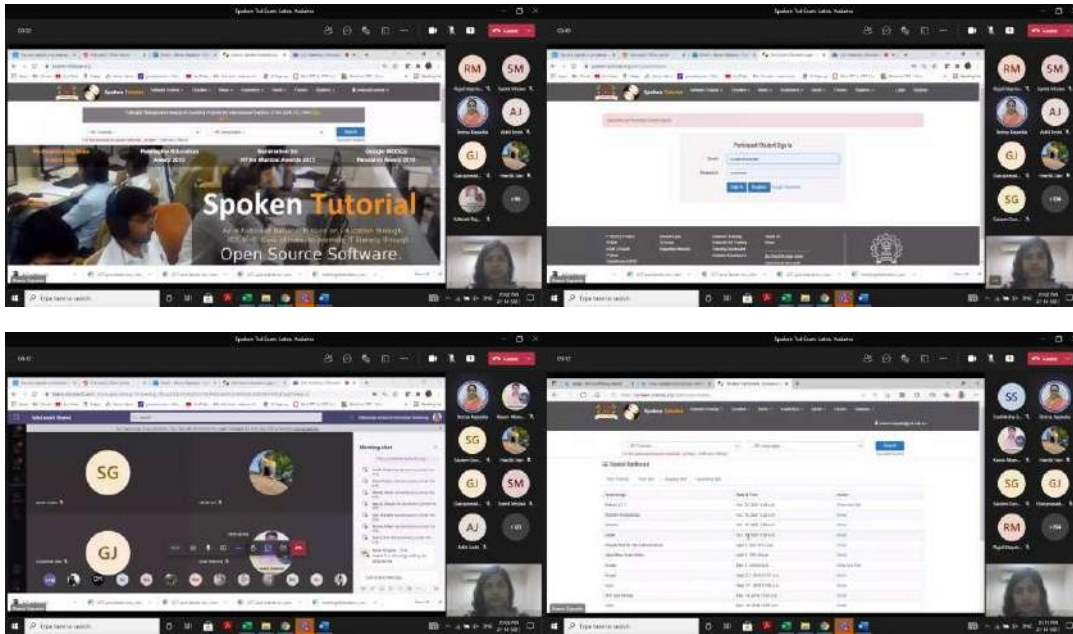
Name of Faculty	Day, Date and Time	Subject
Ms. Pushpa Mahapatro, Ms. Ujwala Sav	Thursday, 21 st October 2021 from 1:00 pm to 4:00 pm	Latex https://spoken-tutorial.org/tutorial-search/?search_foss=LaTeX&search_language=English Arduino https://spoken-tutorial.org/tutorial-search/?search_foss=Arduino&search_language=English

Meeting link: <https://bit.ly/3Dxhv1J>

Beena Kapadia

Principal

Photos:



SPM Guest Lecture:

VSIT Vidyalankar School of Information Technology	Note
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Date: - 08th July 2021**Sub:- Guest Lecture in the subject of Software Project Management for the TY BScIT students on 17th July 2021.**

Networking and Systems Cluster of Department of Information Technology is organizing a Guest Lecture in the subject of Software Project Management for TY BScIT students.

Event details :

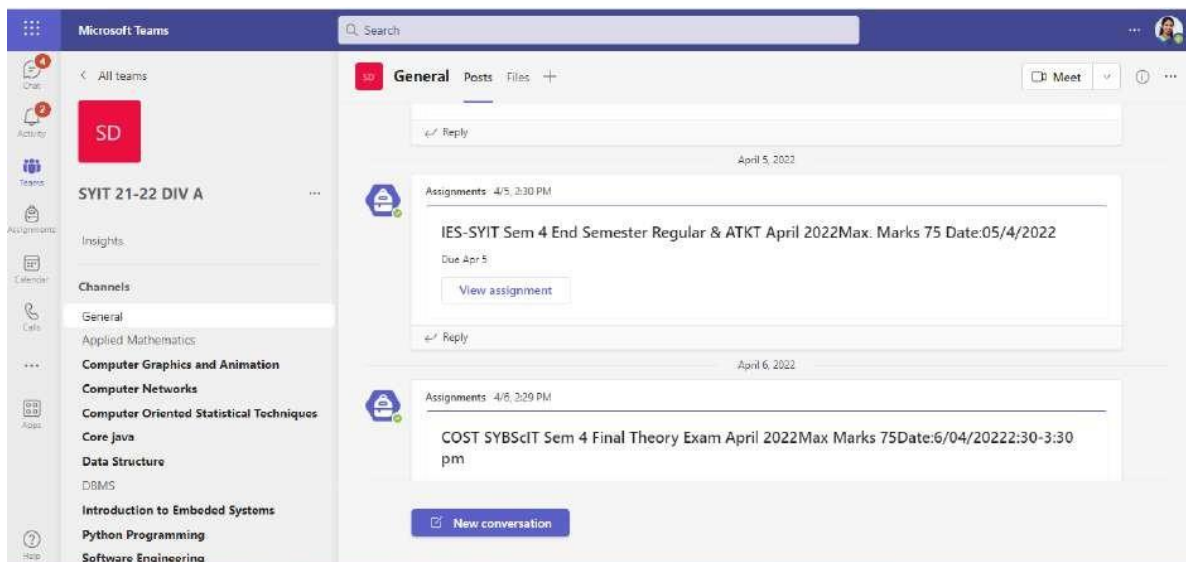
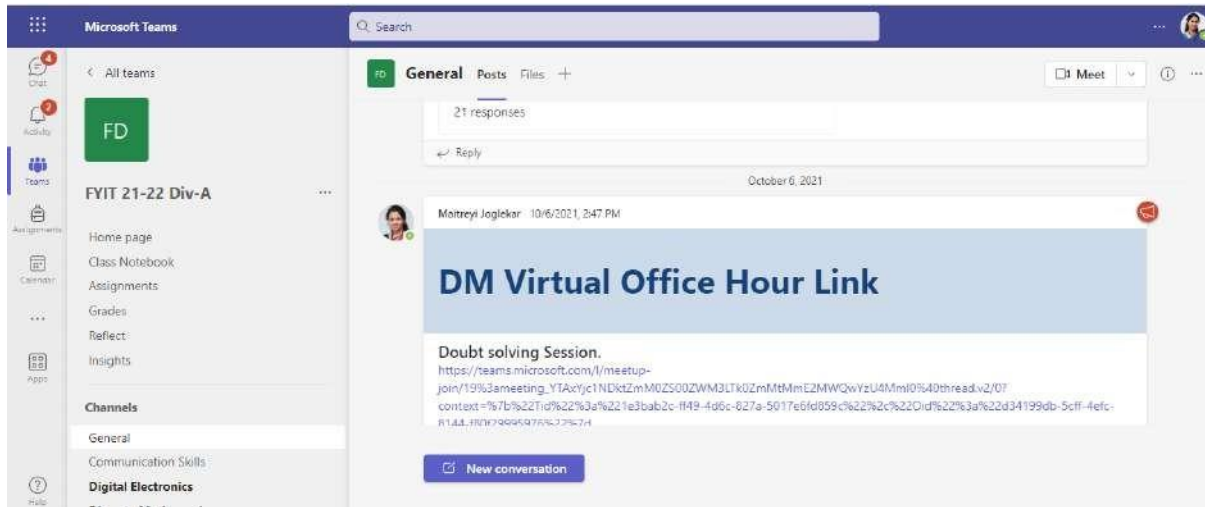
Guest Speaker	Day, Date and Time	Subject/ Topic
Mr. Kaushik Chowdhury, Technopreneur Kolkata, West Bengal, India	Saturday, 17 th July 2020, 11:00 am to 12:00 noon	<ol style="list-style-type: none">1. Basics of Project Management2. Project Management & Agile: Scrum for Software Projects<ul style="list-style-type: none">o One case study3. Project Management & Product Management: Product Management in Digital space4. Business Analysis & Project Management5. Career in Project Management6. Certifications in Project Management7. How to Think like a Project Manager in Semester Projects: Project Mindset vs Product Mindset

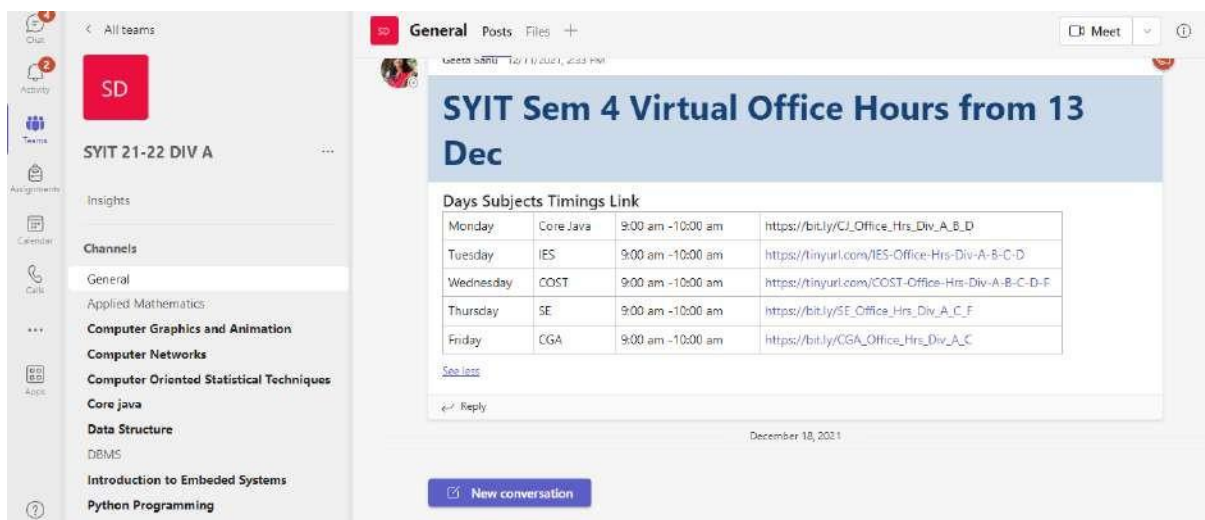
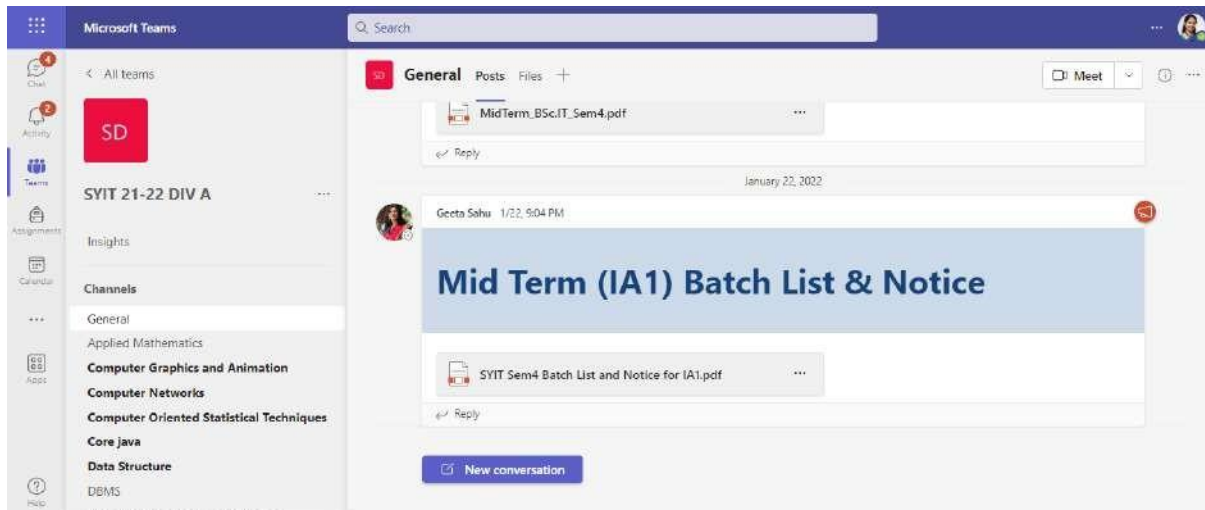
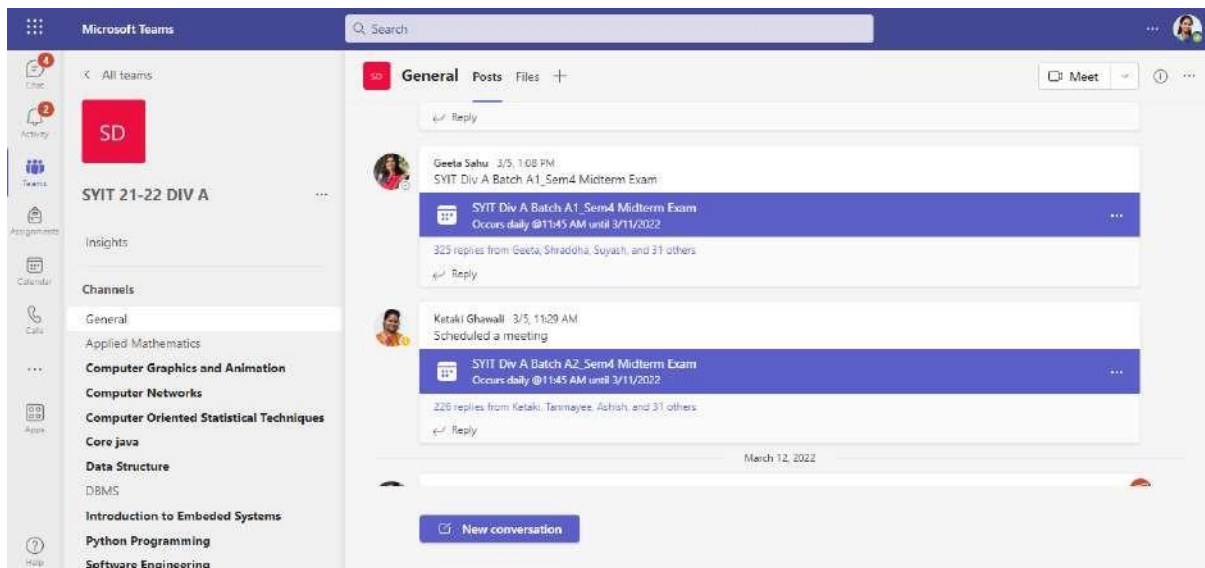
Faculty In-charge: Pushpa Mahapatro, Ujwala Sav

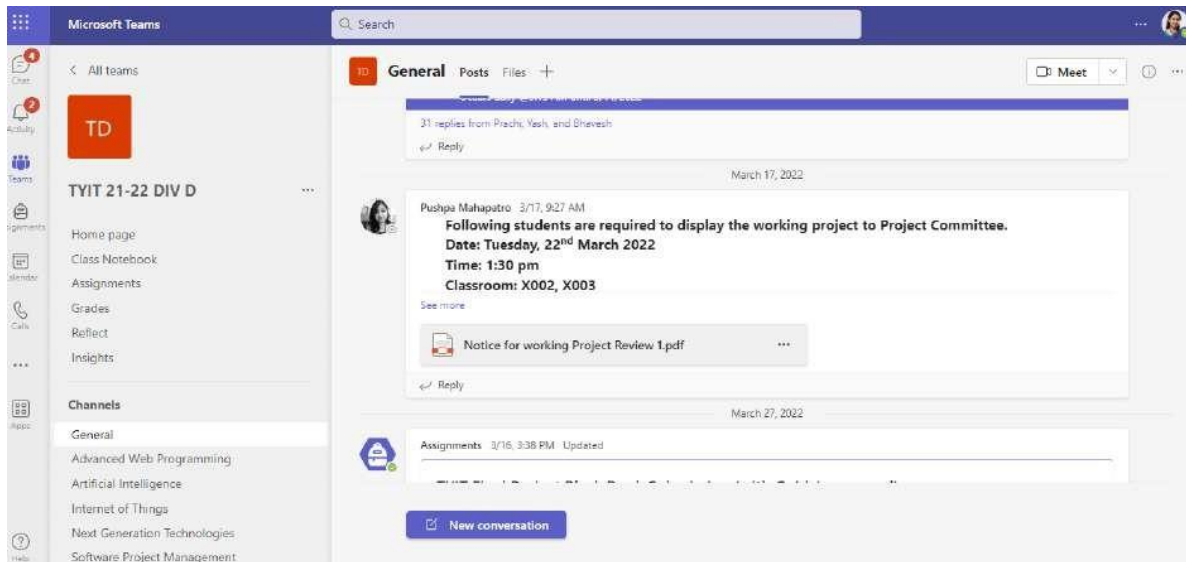
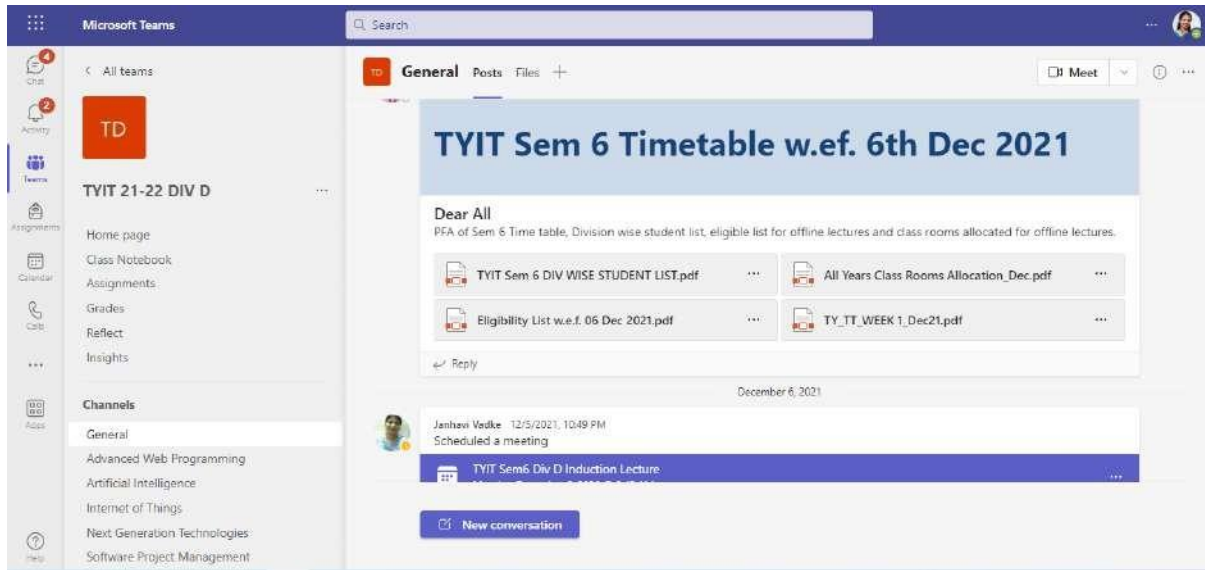
Permission may kindly be granted.

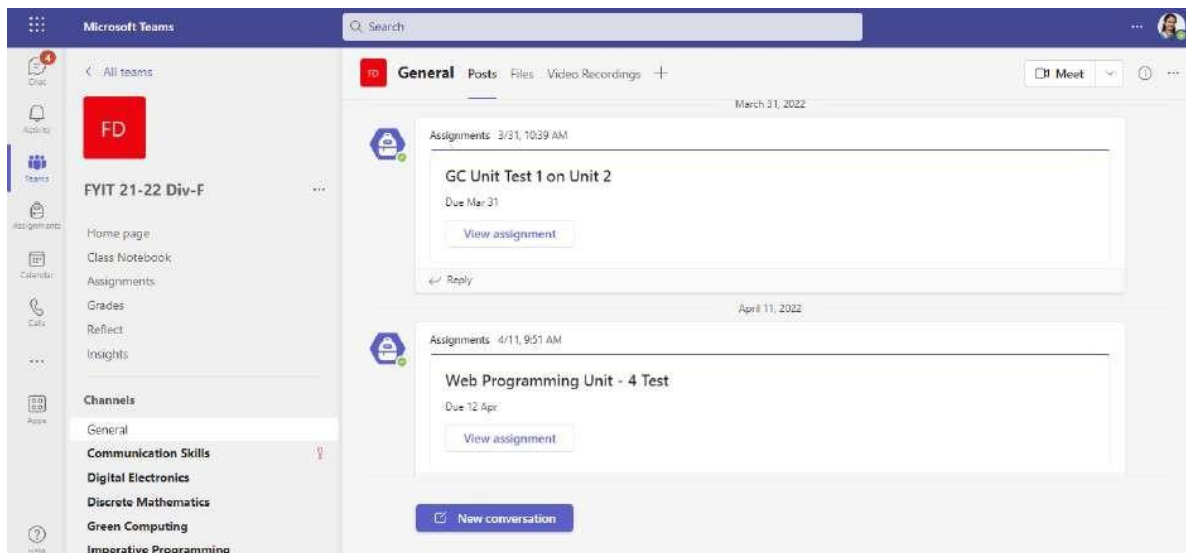
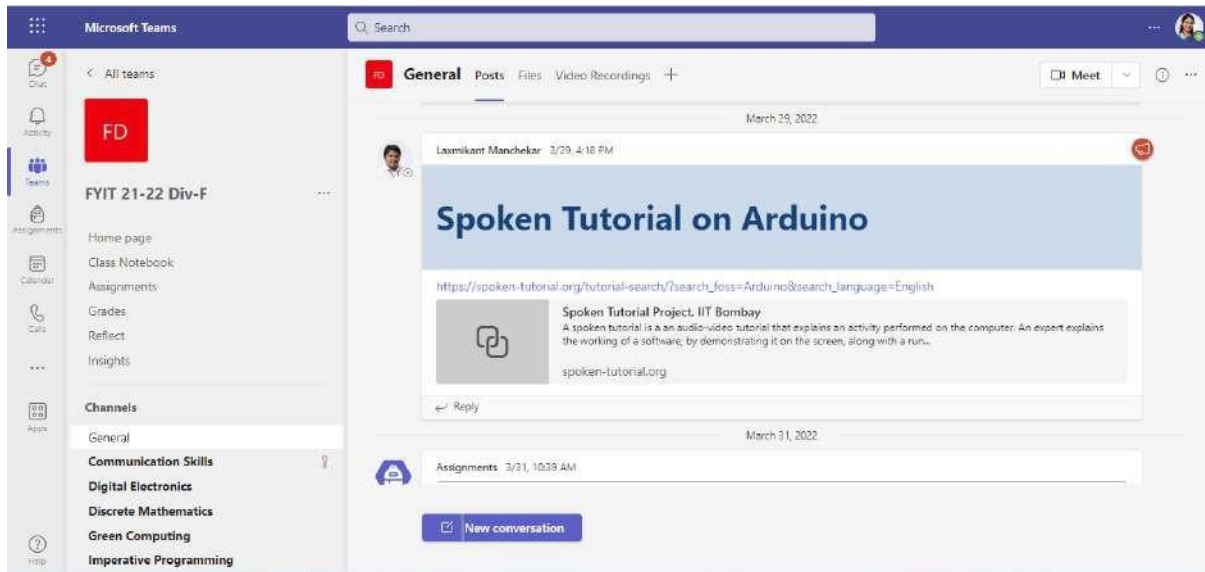
Principal**To,****Director**

9. Usage of Online Platform MS Teams:









GC Unit Test 1 on Unit 2 (FYIT 21-22 Div-F)

Forms GC Unit Test 1 on Unit 2 (FYIT 21-22 Div-F) - Saved

Preview Theme

Questions

3. Which of the following is a Low-cost option used for Power Consumption Monitoring? * (1 Point)

- Kill A Watt
- PowerExecutive
- Mecc-G
- HEM 7156

4. _____ is a tool for reducing storage and bandwidth consumed from disk-based backup. * (1 Point)

- Data De-duplication ✓

Microsoft Teams

Search

General Posts Files +

Meet

2 replies from Assignments and Satyanerayane

November 12, 2021

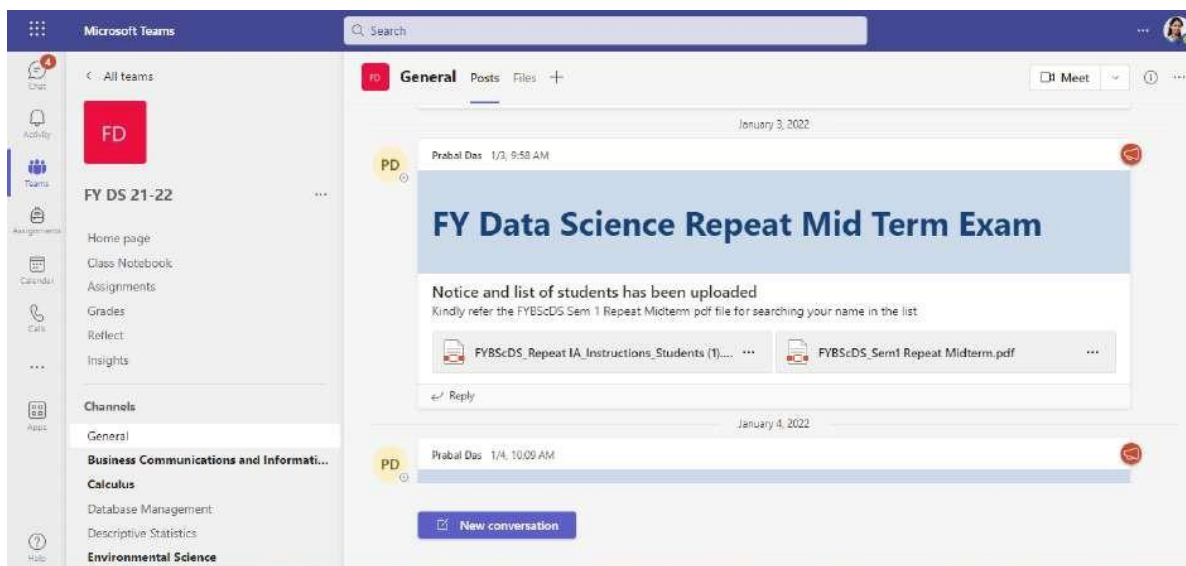
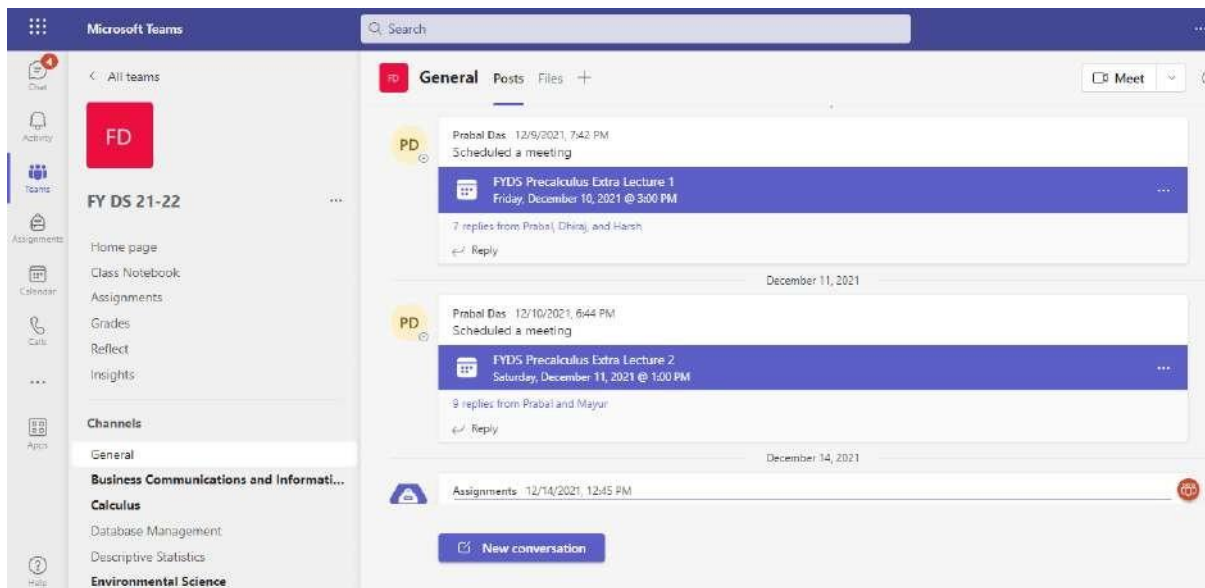
Prabal Das 11/12/2021, 10:43 AM

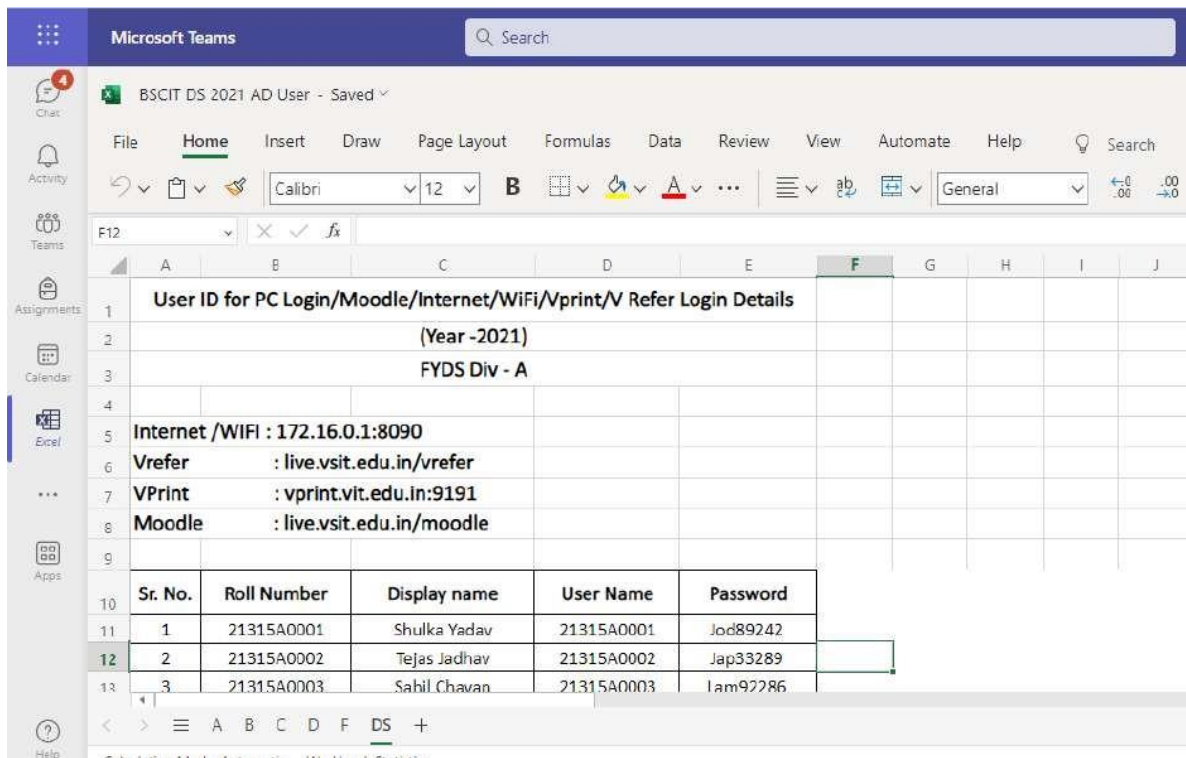
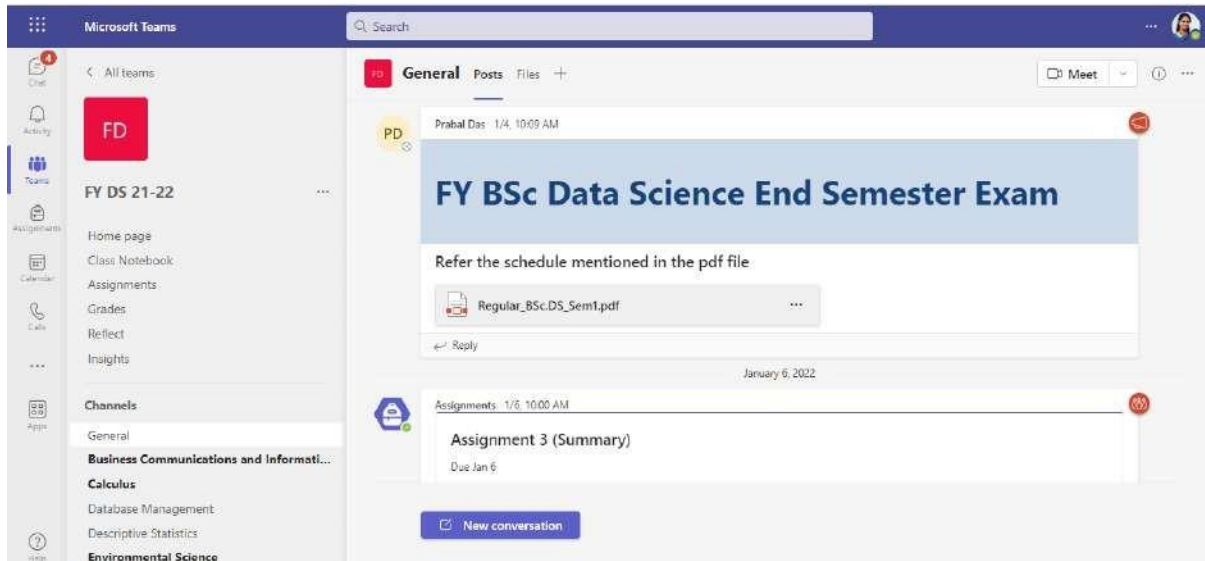
Unit Test I Time Table

Will commence from 22/11/2021
The same can be referred in Files section

Notice for IA1 for FYBScData Science Sem I.pdf

New conversation





Microsoft Teams | Search

Assignments

Spoken Tutorial - Green Computing
Due April 1, 2022 11:59 PM

To return (47) | Returned (0)

Name	Status	Feedback
Ambekar, Tanmay	Turned in	
Ambekar, Tejas	Turned in	
Badhwal, Navpreet Kaur	Turned in	
Budhrani, Laksh	Turned in	
Chabukswar, Gauri	Turned in	

Microsoft Teams | Search

BADHWAL-NAVPREET-KAUR-Participant-Certificate.pdf

Certificate for Completion of Introduction to Computers Training

This is to certify that BADHWAL, NAVPREET KAUR has successfully completed Introduction to Computers test organized at Vidyalankar School of Information Technology (VSIT), by BEENA KAPADIA with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

AKSHATHA JAIN from Vidyalankar School of Information Technology (VSIT), invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

March 30th 2021

Prof. Ramran B. Moreishwara
IIT Bombay

Student Work: Turned in View History

BADHWAL-NAVPREET...

Take action in student view

Feedback: Enter feedback

Points: No points

Microsoft Teams interface showing a quiz question:

GC Unit Test 1 on Unit 2 (FYIT 21-22 Div-F)

3. Which of the following is a Low-cost option used for Power Consumption Monitoring? *

- Kill A Watt
- PowerExecutive
- Meco-G
- HEM 7156

✓ Correct 1/1 Points 1 / 1 pt Auto-graded

4. _____ is a tool for reducing storage and bandwidth consumed from disk-based backup. *

- Data De-duplication ✓
- Virtualization

Microsoft Teams interface showing a document titled "MA Worksheet- Practical 4 - Saved".

File Home Insert Layout References Review View Help Table Search

Calibri (Body) 11 B I U ...

1. Write a program to shift an 8-bit data four bits right. Assume that data is in register C. (Use 8085 ultimate or online simulator for keeping data in register C)

Program:

Address	Hex Code	Instruction	Comment
0800H	79	MOV A, C	Moves data from Register C to Accumulator
0801H	0F	RRC	Rotates the data in Accumulator to right by 1 bit
0802H	0F	RRC	Rotates the data in Accumulator to right by 1 bit
0803H	0F	RRC	Rotates the data in Accumulator to right by 1 bit
0804H	0F	RRC	Rotates the data in Accumulator to right by 1 bit
0805H	4F	MOV C, A	Move data from Accumulator to Register C
0806H	76	HLT	Stop execution

Page 1 of 7 1,189 words English (India) Text Predictions: On Editor Suggestions: Showing 100% Fit Give Feedback to Microsoft

Microsoft Teams | Search

Assignments

OOP Open Book Test
Due March 15, 2022 2:00 PM | Closes March 15, 2022 2:00 PM

To return (0) | **Returned (47)** | Search students

Name	Status	Feedback	/ 25
Ambekar, Tanmay	Returned		25
Ambekar, Tejas	Returned		25
Badhwal, Navpreet Kaur	Returned		25
Budhrani, Laksh	Returned		25
Chabukswar, Gauri	Returned		25
Chatterjee, Noishadha	Returned		25
Cheena, Ibrahim	Returned		25

Microsoft Teams | Search

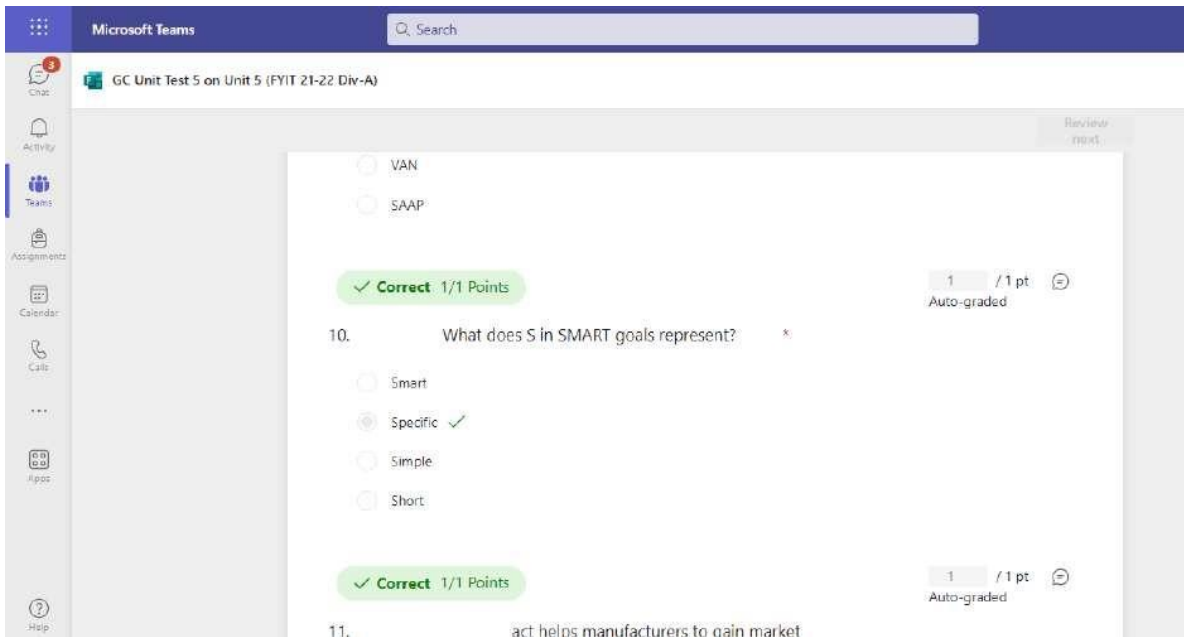
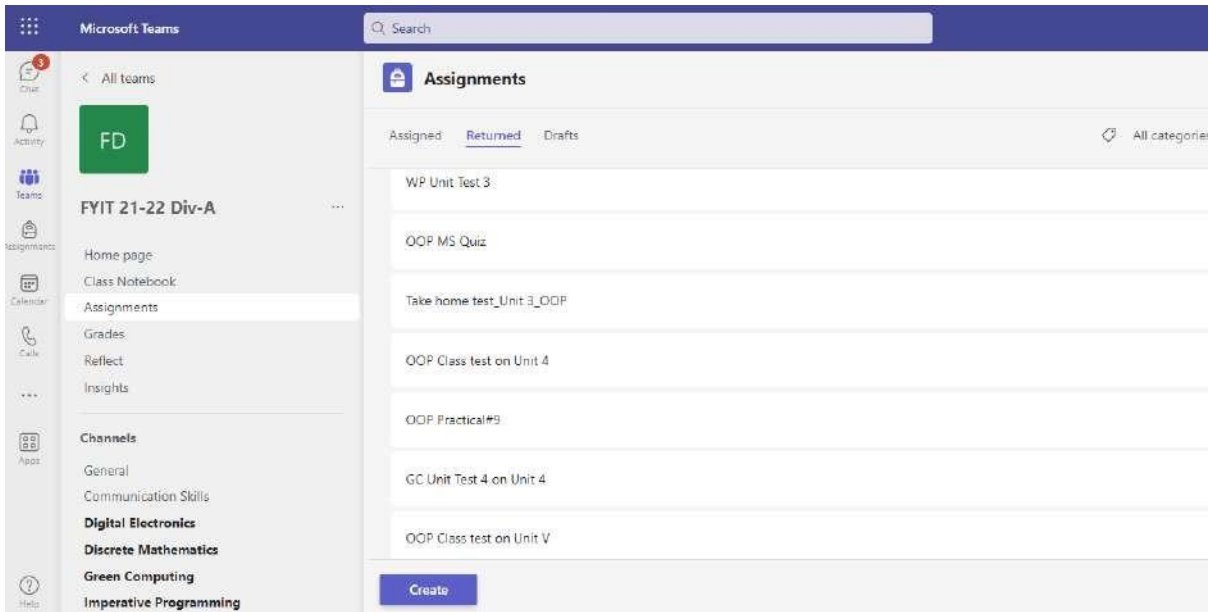
Assignments

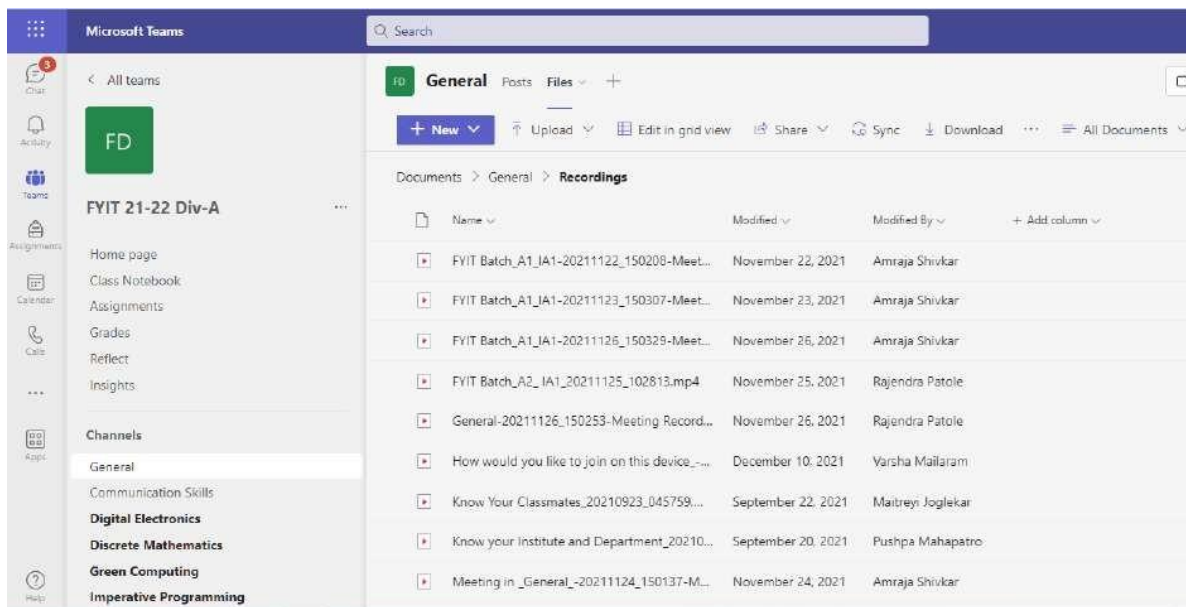
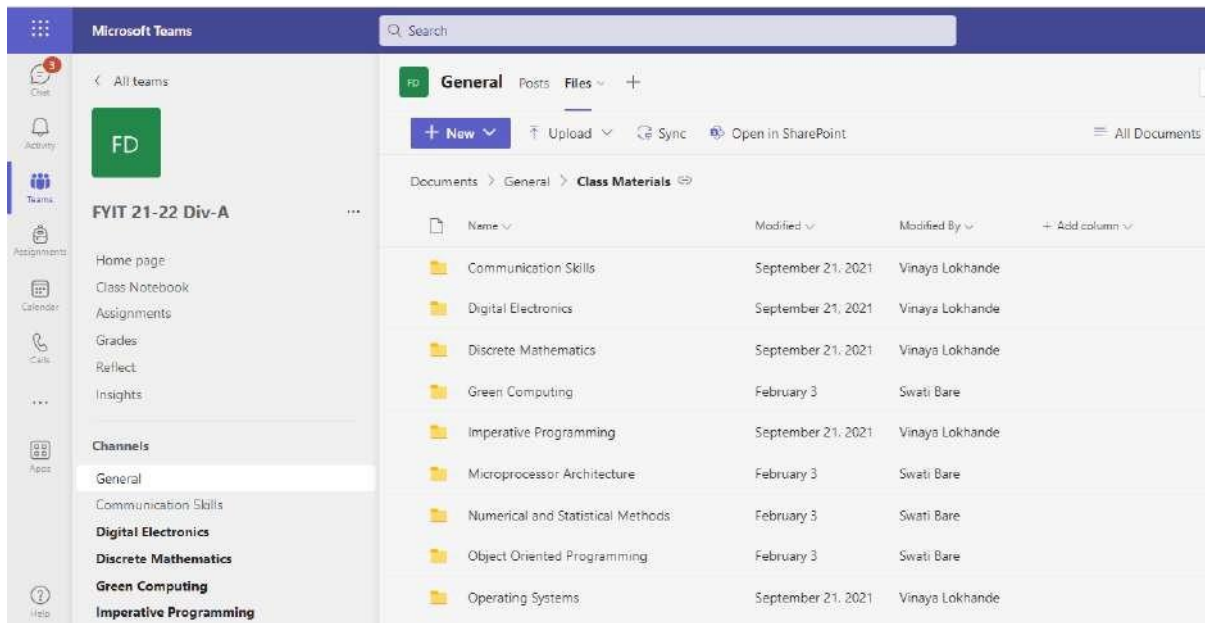
WT Quiz#2
Due February 4, 2022 12:00 PM | Closes February 4, 2022 12:00 PM

Summary results

To return (0) | **Returned (47)** | Search students

Name	Status	Feedback	/ 5
Ambekar, Tanmay	Returned		5
Ambekar, Tejas	Returned		5
Badhwal, Navpreet Kaur	Returned		5
Budhrani, Laksh	Returned		5
Chabukswar, Gauri	Returned		5



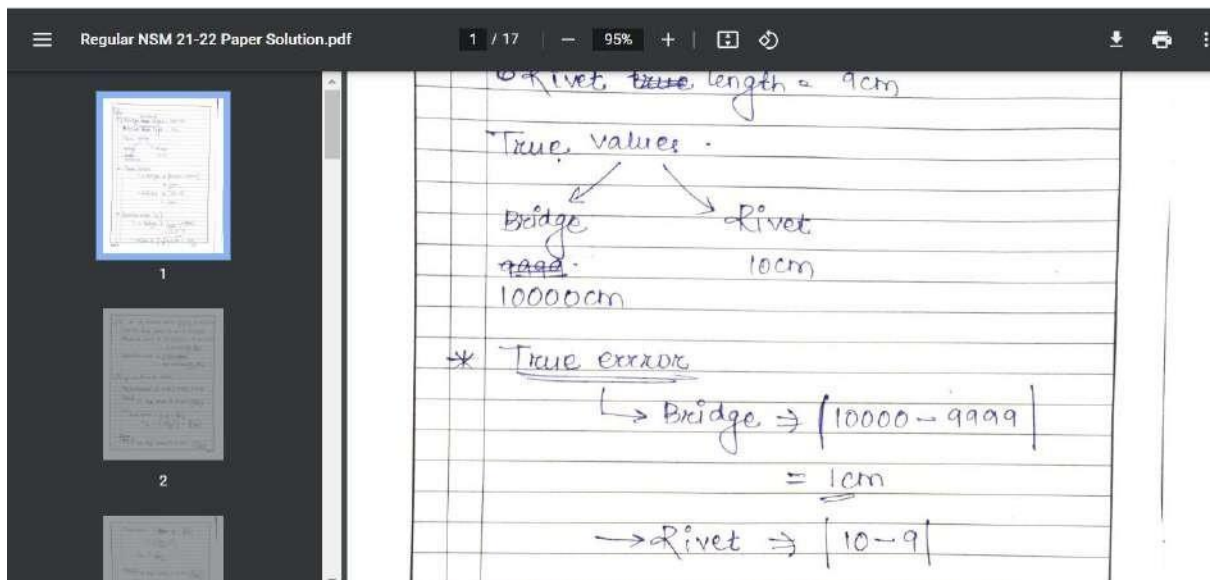
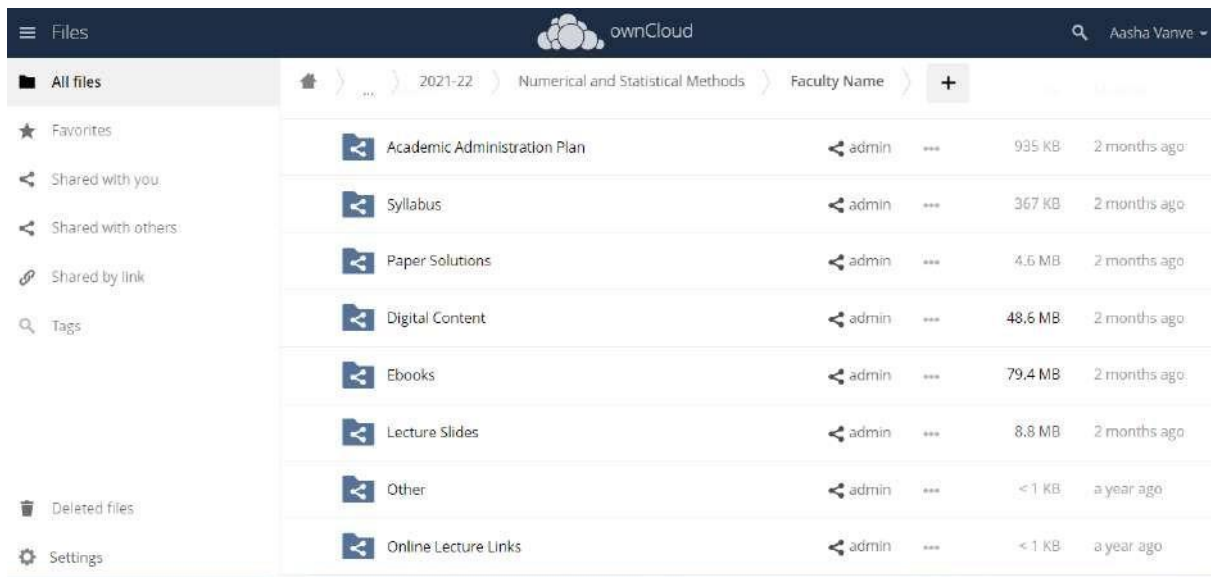


The screenshot shows the ownCloud file manager interface. The breadcrumb path is Faculty Name > Lecture Slides. The file list contains the following items:

Name	Size	Modified
L 3 Regula-Falsi Method.pdf	312 KB	2 months ago
L 31 Exponential Distribution.pdf	187 KB	2 months ago
L 32 and 33 Unit 1.pdf	634 KB	2 months ago
L 4 Newton-Raphson Method.pdf	392 KB	2 months ago
L 5 Secant Method.pdf	259 KB	2 months ago
L 6 Forward Difference Method interpolation1.pdf	234 KB	2 months ago
L 7 Backward Difference Method interpolation.pdf	211 KB	2 months ago

The screenshot shows the ownCloud file manager interface. The breadcrumb path is vRefer > BSc IT > SEM 2 > 2021-22. The file list contains the following items:

Name	Size	Modified
Microprocessor Architecture	228.9 MB	18 days ago
Green Computing	50.3 MB	18 days ago
Numerical and Statistical Methods	142.6 MB	2 months ago
Web Programming	1.4 MB	8 months ago
Object oriented Programming	41.5 MB	8 months ago
5 folders	464.7 MB	



10. Usage of Online Repository VREFER

ownCloud interface showing a file directory for vRefer BSc IT. The directory contains folders for SEM 1 through SEM 6, each with a size and modification date.

Name	Size	Modified
SEM 1	4.3 GB	5 months ago
SEM 2	1.6 GB	18 days ago
SEM 3	5.4 GB	3 days ago
SEM 4	1.8 GB	5 months ago
SEM 5	7 GB	18 days ago
SEM 6	5.3 GB	3 days ago
8 folders	25.4 GB	

ownCloud interface showing a file directory for vRefer BSc IT SEM 5 2021-22 Software Project Management Pushpa Mahapatro. The directory contains folders for Academic Administration Plan, Assignments, Digital Content, Ebooks, Lecture Slides, Online Lecture Links, Other, Paper Solutions, and Syllabus.

Name	Size	Modified
Academic Administration Plan	592 KB	a year ago
Assignments	438 KB	a year ago
Digital Content	13 KB	a year ago
Ebooks	174.9 MB	a year ago
Lecture Slides	49.3 MB	a year ago
Online Lecture Links	<1 KB	a year ago
Other	366 KB	a year ago
Paper Solutions	<1 KB	a year ago
Syllabus	317 KB	a year ago

ownCloud interface showing a file directory for vRefer BSc IT SEM 5 2021-22 Software Project Management Pushpa Mahapatro Academic Administration Plan. The directory contains files for AAP_Sem5_SPM_Jun2021-22_PSM_LUS.pdf and Read me.txt.

Name	Size	Modified
AAP_Sem5_SPM_Jun2021-22_PSM_LUS.pdf	592 KB	a year ago
Read me.txt	<1 KB	a year ago
2 files	593 KB	

Digital content

VSIT | Vidyalankar School of Information Technology

Certificate

This is to certify that the e-book titled "SOFTWARE PROJECT MANAGEMENT" comprises all elementary learning tools for a better understanding of the relevant concepts. This e-book is comprehensively compiled as per the predefined eight parameters and guidelines.

Pooja Mahapatra
 Mrs. Pooja Mahapatra
 Assistant Professor
 Department of IT

Date: 26-07-2021

DISCLAIMER: The information contained in this e-book is compiled and distributed for educational purposes only. This e-book has been designed to help learners understand relevant concepts with a more dynamic interface. The compiler of this e-book and Vidyalankar Institute of Technology give full and due credit to the authors of the contents, developers and all websites from wherever information has been sourced. We acknowledge our gratitude towards the websites YouTube, Wikipedia, and Google search engine. No commercial benefits are being drawn from this project.

Unit 1 Introduction to Software Project Management, Project Evaluation and Programme Management, An Overview of Project Planning

Contents:

Unit 1
Introduction to Software Project Management: Introduction, Why is Software Project Management Important? What is a Project? Software Projects versus Other Types of Project, Contract Management and Technical Project Management, Activities Covered by Software Project Management, Plans, Methods and Methodologies, Some Ways of Categorizing Software Projects, Project Charter, Stakeholders, Setting Objectives, The Business Case, Project Success and Failure, What is Management? Management Control, Project Management Life Cycle, Traditional versus Modern Project Management Practices.
Project Evaluation and Programme Management: Introduction, Business Case, Project Portfolio Management, Evaluation of Individual Projects, Cost benefit Evaluation Techniques, Risk Evaluation, Programme Management, Managing the Evaluation of Resources within Programmes, Strategic Programme Management, Programme Management, Risks to Programme Management, Some Reservations about Benefits Management.

Learning: Introduction to Step Wise Project Planning, Step 1: Identify Project Scope and Objectives, Step 2: Identify Project Infrastructure, Step 3: Analyse Project Characteristics, Step 4: Identify Project Products and Activities, Step 5: Estimate Effort for Each Activity, Step 6: Identify Activity Risks, Step 7: Allocate Resources, Step 8: Review/Publicize Plan, Steps 9 and 10: Execute Plan/Lower Levels of Planning

Recommended Books:

- Software Project Management McGRAW 6th Edition, Bob Hughes, Mike Cotterell, Rajib Mall
- Software Project Management McGRAW 4th Edition, Bob Hughes, Mike Cotterell, Rajib Mall

Prerequisites and Linking:

UNIT-I	Pre-requisites	SEM-V	SEM-VI
Program Evaluation and Programme Management	Software Engineering	Projects	Software Quality Assurance, Projects

UNIT-I Chapter 01 Introduction to Software Project Management

Introduction:
 What is software project management? Is it really different from 'ordinary' project management? This is going to be tackled by looking firstly at what is meant by 'project'. We are then going to examine whether 'software project management' is really different from 'normal' project management. Is there anything special about software as opposed to other engineered artefacts?

A Software Project is the complete procedure of software development from requirement gathering to testing and maintenance, carried out according to the execution methodologies, in a specified period of time to achieve intended software product.

Software is said to be an intangible product. Software development is a kind of all new stream in world business and there's very little experience in building software products. Most software products are tailor made to fit the customer's requirements. The most important is that the underlying technology changes frequently and rapidly that experience of one product may not be applicable to another one. All such business and environmental constraints make software development hence it is essential to manage software projects.

How do you know when a project has been successful? For example, do the expectations of the customer/client match those of the developers?

Why is project management important?

- Large amounts of money are spent on ICT e.g. UK government in 2003-4 spent £2.3 billions on contracts for ICT and only £1.4 billions on road building
- Project often fail – Standish Group claim only a third of ICT projects are successful. 82% were late and 43% exceeded their budget.
- Poor project management a major factor in these failures
- The methodology used by the Standish Group to arrive at their findings has been criticized, but the general perception of the prevalence of ICT project failure is still clear.

Video: What is project management?
<https://www.youtube.com/watch?v=Jk-JwtScIiw>

What is a project?
 Some dictionary definitions:
 "An organized plan or design"
 "An organized undertaking"
 "An organized undertaking e.g. a public works scheme"
 "The planning and size of task"
 "The conditions of 'project'. No doubt there are other ones: for example
 "Unique process, consisting of a set of coordinated and controlled activities with start and finish dates, undertaken to achieve an objective conforming to specific requirements, including constraints of time, cost and resources."

- An endeavor with specific objectives:
 - Usually consists of multiple tasks
 - With defined precedence relationships
 - With a specific time period for completion
- Non-Software Examples:
 - A wedding
 - An MBA degree
 - A house construction project
 - A political election campaign

Jobs versus projects

What is a Task?

- A small piece of work:
 - Meant to accomplish a straightforward goal
 - Effort of no longer than a few person-hours
 - Involves only a few people
 - May or may not be a part of some project
 - Usually repetition of a previously accomplished task
 - Process management may be relevant!
- Non-software Examples:
 - Attend a lecture class
 - Buy a chocolate from the market
 - Book a railway ticket

Characteristics of projects

A task is more 'project-like' if it is:

- Non-routine
- Planned
- Aiming at a specific target
- Carried out for a customer
- Carried out by a temporary work group
- Involving several specialisms
- Made up of several different phases
- Constrained by time and resources
- Large and/or complex

Are software projects really different from other projects?

Not really...but... The factors

- Invisibility
- Complexity
- Conformity
- Flexibility

Make software more problematic to build than other engineered artefacts.

Subject	Module	Created by	Link of Module (.exe file)	Link of PDF file
SPM	1	Pushpa M	https://bit.ly/3eYZC1W	https://bit.ly/377cxDR
	2	Ujwal Sav	https://bit.ly/DCSPMUnit2SemVJuly2021	https://bit.ly/DCSPMUnit2SemVJuly2021PDF
	3	Pushpa M	https://bit.ly/3ievZvF	https://bit.ly/2TOXVNu
	4	Ujwal Sav	https://bit.ly/3GGRCiw	https://bit.ly/DCSPMUnit4SemVOctober2021PDF
	5	Pushpa M	https://bit.ly/2ZUizOH	https://bit.ly/3lhQGZi

Vidyalankar School of Information Technology

TYBScIT Semester V

Subject: Software Project Management

Faculty Members: *Ms. Pushpa Mahapatro, Ms. Ujwala Sav*

Assignment 1 based on Unit 1

1. Define the term Project and give importance of Software Project Management.
2. Explain the stages involved in Project Management life cycle in detail.
3. Write a note on Project Portfolio Management.
4. What is the importance of identifying the scope and objectives of a project?
5. How resource allocation managed in an activity of Programme Management?
6. Write a note on risk evaluation and management.
7. What is Project charter in software project management? What are the elements of Project charters?
8. Define the following terms: i) Net Profit ii) Return on Investment iii) Payback Period iv) Net present value v) Internal rate of return

Assignment 2 based on Unit 2

1. Explain different approaches used for fast delivery of a project.
2. What are the advantages and disadvantages of a Spiral model?
3. Discuss the common problem faced during effort estimation.
4. State and explain Capers Jones estimating rules.
5. Explain the top down approach associated with Parametric Models.
6. Write a note on COCOMO II Model.
7. What do you understand by ceremonies in scrum project? Explain the different type of ceremonies that are observed in a Scrum project and their significance.
8. Explain briefly Albrecht/IFPUG function point and solve the following: For a organization, the following table summarizes the weightings to be used for computing function points measures of a software having the following characteristics:

Number of user inputs: 20 (simple)

Number of user outputs: 14 (simple)

Number of user enquires: 06 (average)

Number of files: 12 (average)

Number of External interfaces: 02 (complex)

Calculate unadjusted function point measures of the size of the software system?

Assignment 3 based on Unit 3

1. What is the necessity of activity planning?
2. Explain network planning model and the concept of backward pass.
3. Define the term Risk and discuss the ways to deal with them.
4. Describe Monte Carlo Simulation.
5. Explain the nature of resources and their scheduling.
6. What are the factors considered while allocating task to the individuals?
7. Using the data in the following table, answer the questions given below:

Activity	Duration	Predecessors
A	6	-
B	8	-
C	3	A
D	5	B
E	4	C, D

- i) Create a precedence activity network.
 - ii) What is the total project duration?
 - iii) Calculate earliest start date, latest start date and float of all the events.
 - iv) Identify the critical path.
8. Suppose four risks namely R1, R2, R3 and R4 have been identified and assigned the probabilities of occurrence of 0.1, 0.2, 0.3 and 0.4 respectively. The likely damages due to the four risks are Rs. 50,000; Rs. 1,00,000; Rs. 70,000; Rs. 60,000 respectively. Calculate the risk exposure of all the risks.

Assignment 4 based on Unit 4

1. Give the benefits of review in the process of project monitoring and control.
2. Write note on change control.
3. Explain the advantages and disadvantages of fixed price contracts.
4. Explain the stages in Contract Placement.
5. Write a note on ethical and professional concerns as a member of any organization.
6. Explain Taylor's model of motivation.
7. Explain Vroom's expectancy theory of motivation.
8. Define the following: i) Scheduling Variance ii) Cost Variance iii) Earned Value
iv) Schedule performance index v) Cost performance index

Assignment 5 based on Unit 5

1. Describe a virtual team and the advantages of forming a virtual team.
2. Write a role of different types of people needed to form a balanced team.
3. Define the term quality. Explain McCall's quality model.
4. State and explain different levels of Capability Maturity Model (CMM) .
5. Explain the metrics correlated with Software reliability.
6. Discuss reasons for project closure.
7. List the obstacles to good group decision making. Also explain Delphi decision making process.
8. Write short note on SEI capability maturity model.

Signature of Faculty Members

Name: Ms. Pushpa Mahapatro

Ms. Ujwala Sav

Signature of In-Charge

Name: Mrs. Pushpa Mahapatro

Name of Cluster: Networking & Systems

Examiner letter:

Date: 11th October 2021

Dear Sir or Madam,

I am pleased to inform you that due to pandemic situation of Covid-19, the College has decided to conduct the online examination for the Academic Year 2021-2022 as per the directives of University of Mumbai and Maharashtra Public Universities Act, 2016 u/s 41 (f).

You are appointed to jointly act as Paper Setter and/or Translator as mentioned against your name for the following course/subject for the examinations.

Year: Nov-Dec 2021

Name of the Faculty: Pushpa Mahapatro

Program Code: 1S00255

Subject Name: Software Project management

Name of Program: BSc.IT

Semester: Sem 5 (Regular)

Please Note: Utmost care should be taken while setting the question paper and to ascertain that there is no erratum in question paper and must be set within the prescribed syllabus and the examination scheme of the said subject at the examination, and the paper will be set only in the authorized meeting of the paper-setters.



Principal

SPM vlabs design certificate



<i>Meeting Schedule Time:</i>		3:30 pm		Starting Time:	3:30 pm
Meeting of	IT Department	Meeting No.	10	Held on	13/04/2022

Members present: Asif R., Dr. Sarika C., Ujwala S, Pushpa M, Dr. Pallavi T, Umesh K., Dr. Kimaya S, Shajil K., Sanjeela S, Janhavi V, Prachi M., Leena J., Ashwini K., Geeta S , Hrishikesh T., Seema V, Madhavi A., Laxmikant M., Aasha C., Rohini D., Amraja S , Mithila C., Rajendra P, Maitreyi J., Spruha M., Ketaki G., Seema M., Beena K., Bhavesh S., Prabaldeep D

Faculty Members Absent: Akshatha J., Sabir M., Dr. Amita J.,

Summary			
	Last Meeting Item Nos.	Weekly Item Nos.	Total
Details	Meeting No. : 10 Total No. of. Items : 11	Report for week ending	
Not Started			
In progress			
Done			
Drop			
Standard Item			
LMC Date			
GB Dates			

General: -

Sr. No.	Minutes of Meeting	Resp.	Target Date
---------	--------------------	-------	-------------

1	<p>FY IT & DS Sem-II Examination-</p> <ul style="list-style-type: none"> • FY IT & DS Sem-II Teaching Period Ends on:22/04/22 • FY IT & DS Sem-II Practical Examination dates:25/04/22 to 29/04/22 • FY IT & DS Sem-II Theory Examination dates:06/05/22 to 11/05/22 	FY Faculty	-
2	<p>FY IT & DS Sem-II Internal Assessment details</p> <p>IA-30 Marks scaled down to 15 Marks + Unit-wise Assignments and submissions-10 Marks=25 Marks</p> <p>Last date of Submission of Internal Marks-23/04/2022</p>	FY Faculty	23/04/2022
3	<p>FY IT & DS Sem-II Practical Assessment details</p> <ul style="list-style-type: none"> • 30 Marks -2 Questions of 15 Marks each • 10 Marks -Viva • 10 Marks -Practical Worksheets • Total 50 Marks <p>Last date of Submission of Practical Marksheet-30/04/2022</p>	FY Faculty	30/04/2022
4	<p>FY IT & DS Sem-II Theory Examination details</p> <ul style="list-style-type: none"> • Question Paper Format: There will be two Sections in QP (to be printed on Separate Paper): Section A:MCQ (Two Sets)-35 Marks Section B: Descriptive Questions (One common Set for IT/DS)-40 Marks Total:-75 Marks • Last Date of Submission of Two Sets of Question Paper to HODs for Audit:20th April 2022 • Submission of Audited Question Papers to Exam Cell:23rd April 2022 	FY Faculty	20/04/2022 23/04/2022
5	AAP Tracker, AAP & BSA/VAC Compliance file to be updated regularly	Cluster Mentors	25/04/2022
6	FY IT Digital Content of all units to be uploaded on MS Teams by 20 th April 2022	All Faculty	20/04/2022
7	ISBN and Research paper /Proposal details to be submitted by 23 rd April 2022	All Faculty	23/04/2022

8	IT Department Even Semester 2021-22 Presentation to be scheduled in the first week of June 2022	Cluster Mentors	31/05/2022
9	Interested Faculty can participate in hands-on Workshops on Fundamentals of Deep Learning and Blender	Interested Faculty	FDL-21 st & 22 nd April 2022 Blender-13 th & 14 th May 2022
10	Faculty presentation for FDPs (Virtual Lab & LCM) outcome to be held in the first week of May 2022.	All Faculty	1 st Week of May 2022
11	Even Semester (Dec 21-May 22) Committee activities details to be updated in the given excel sheet by 10 th May 2022	Committee Members	10/05/2022

Practical Exam Notice:

Date: 25 Jan 2022

Notice for Practical Assessment#1 for SYBScIT Sem IV

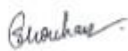
This is to inform all students of SYBScIT Semester IV that Online Practical Assessment#1 will be conducted from Monday 31 Jan 2022 to Friday 4 Feb 2022 over MS Teams from 10.45 a.m. to 12.15 p.m. The practical assessment will be conducted batch wise as per the regular practical slots. Regular lectures will be conducted as per regular timetable.

Timetable for Practical Assessment#1

SYBScIT Sem 4 Practical Assessment #1						
Day	Date	Time	CJ	IES	SE	CGA
Mon	31 Jan 2022	10.45 a.m. to 12.15 p.m	SY A1, A2 SY F	SY C1, C2	--	SY B1, B2
Tue	1 Feb 2022		SY B1, B2	--	SY F	--
Wed	2 Feb 2022		--	SY B1, B2	SY A1, A2	SY C1, C2
Thurs	3 Feb 2022		--	SY F	SY C1, C2	SY A1, A2
Fri	4 Feb 2022		SY C1, C2	SY A1, A2	SY B1, B2	SY F

Instructions to students:

- Practical Assessment will be conducted from 10.45 a.m. to 12.15 p.m.
- Lectures will be conducted as per regular timetable.
- Batches are same as batches for regular practicals. Ensure that you appear for the assessment in your own batch.
- You will find the Practical Assessment link of your batch in the subject channel of your own team.
- Join your link FIFTEEN minutes prior to the scheduled time.
- During the assessment, switch on your camera and type your complete Roll no and full name in the chat box. Keep yourself on mute. Camera should be kept ON throughout the exam.
- The Practical Assessment Worksheet for your batch will appear as Assignment in the subject channel.
- You must 'Turn In' your assignment by 12.15 p.m. Late submissions / Mailing of practical assessment assignment will not be allowed.
- Batch list for practicals is attached.



CAO



Vice-Principal



Principal

SYBScITSem 4 Practical Assessment Batches

Batch	Roll No	Name	Div	Batch	Roll No	Name	Div
A1	20302A0002	Asmita Margaj	A	A2	20302A0036	Surshita Cheripalli	A
A1	20302A0003	Shreyas Jaywant	A	A2	20302A0037	Abuzar Ansari	A
A1	20302A0004	Shravane Korgaonkar	A	A2	20302A0038	Kartik Bingi	A
A1	20302A0005	Omkar Kale	A	A2	20302A0039	Subham Yadav	A
A1	20302A0006	Amoge Kharwar	A	A2	20302A0040	Tanmayee Asolkar	A
A1	20302A0007	Johnson -	A	A2	20302A0041	Sarthak Manjarekar	A
A1	20302A0008	Gunal Boga	A	A2	20302A0042	Gaurav Jain	A
A1	20302A0009	Shraddha Poojary	A	A2	20302A0043	Purva Rane	A
A1	20302A0010	Ayush Phadale	A	A2	20302A0044	Aniket Joshi	A
A1	20302A0011	Jadyn Dias	A	A2	20302A0045	Harsh Katalkar	A
A1	20302A0012	Neha Chavan	A	A2	20302A0046	Jashika Patel	A
A1	20302A0013	Sapna Saw	A	A2	20302A0047	Keegan Nunes	A
A1	20302A0014	Nishka Rupji	A	A2	20302A0048	Tanuj Tiwari	A
A1	20302A0015	Nupur Gade	A	A2	20302A0049	Surabhi Satam	A
A1	20302A0016	Shravani Kadam	A	A2	20302A0050	Ashish Dogra	A
A1	20302A0017	Siddhesh Devlekar	A	A2	20302A0051	Sahil Indulkar	A
A1	20302A0018	Magesh Yadav	A	A2	20302A0052	Varsha -	A
A1	20302A0019	Lokesh Guttula	A	A2	20302A0053	Kaynat Khattoon	A
A1	20302A0020	Vishakha Joshi	A	A2	20302A0054	Aniruddh Pednekar	A
A1	20302A0021	Aman Yadav	A	A2	20302A0055	Rahul Rao	A
A1	20302A0022	Heramb Jadhav	A	A2	20302A0056	Maaz Hussain - Syed Mohamed Baseeth Viklar	A
A1	20302A0023	Siya Adrekar	A	A2	20302A0057	Supreeta Gosavi	A
A1	20302A0024	Ayush Chavan	A	A2	20302A0059	Vinit Warang	A
A1	20302A0025	Sakshi Rokade	A	A2	20302A0061	Aditya Dhadve	A
A1	20302A0026	Prabjot Singh Randhawa	A	A2	20302A0062	Gaargi Mohite	A
A1	20302A0027	Saksham Patil	A	A2	20302A0063	Onkar Suryawanshi	A
A1	20302A0028	Avanti Jogdankar	A	A2	20302A0064	Dilshad Saifi	A
A1	20302A0029	Varad Repe	A	A2	20302A0065	Samiksha Suresh Lavhate	A
A1	20302A0030	Rozain Khan	A	A2	21302E3001	Mohammad Adnan Khan	A
A1	20302A0031	Umair Khan	A	A2	21302E3002	Shahbaz Ajaz Shaikh	A
A1	20302A0032	Suyash Gore	A	A2	21302E3003	Rohit Rajkumar Katkam	A
A1	20302A0033	Durgesh Gurav	A	A2	21302E3004	Shrutika Sachin Rohit	A
A1	20302A0034	Sahil Kinjawadekar	A	A2	21302E3005	Shivam Kushwaha	A
A1	20302A0035	Sabir Shaikh	A	A2	21302E3023		A

Batch	Roll No	Name	Div	Batch	Roll No	Name	Div
B1	20301B0057	Vivek Jaiswar	B	B2	20302D0001	Osama Hamidani	D
B1	20302A0058	Rishi Patel	B	B2	20302D0002	Md Kamran Shaikh	D
B1	20302B0001	Rahul Yadav	B	B2	20302D0003	Parth Tamore	D
B1	20302B0002	Ishika Jaiswal	B	B2	20302D0004	Jaydeep Barot	D
B1	20302B0003	Dakshitha Moota	B	B2	20302D0005	Advait Khadye	D
B1	20302B0004	Shreyank Koli	B	B2	20302D0007	Pritam Bhendu	D
B1	20302B0005	Isha Jadhav	B	B2	20302D0008	Udit Devlekar	D
B1	20302B0006	Harsh Sisodia	B	B2	20302D0009	Arya Salvi	D
B1	20302B0007	Rahul Yadav	B	B2	20302D0010	Rajdip Mondal	D
B1	20302B0008	Gautami Karekar	B	B2	20302D0013	Sabina Chaudhary	D
B1	20302B0009	Sakshi Patwardhan	B	B2	20302D0014	Pavankumar Bitla	D
B1	20302B0010	Omkar Gurav	B	B2	20302D0015	Shivani Thange	D
B1	20302B0011	Harshal Wairkar	B	B2	20302D0016	Sahil Sayyed	D
B1	20302B0012	Ramu Seeta	B	B2	20302D0017	Maaz Khan	D
B1	20302B0013	Rohit Shastri	B	B2	20302D0018	Zainuddin Khambata	D
B1	20302B0015	Yogesh Dudhal	B	B2	20302D0019	Rushikesh Patil	D
B1	20302B0016	Hashmi Shaikh	B	B2	20302D0021	Prasad Kundu	D
B1	20302B0017	Riya Gupta	B	B2	20302D0022	Vinit Gunti	D
B1	20302B0018	Akash Karpe	B	B2	20302D0024	Atharva Shirke	D
B1	20302B0020	Nilesh Yadav	B	B2	20302D0025	Amin Khan	D
B1	20302B0021	Soumya Pednekar	B	B2	20302D0026	Dikshit Salve	D
B1	20302B0022	Amogh Keluskar	B	B2	20302D0027	Kenaniah Olive -	D
B1	20302B0023	Md Afroz Ansari	B	B2	20302D0028	Avinash Pangare	D
B1	20302B0024	Mansoor Khan	B	B2	20302D0030	Md Saad Bhujwala	D
B1	20302B0025	Rashid Mulla	B	B2	20302D0031	Siddhesh Mane	D
B1	20302B0026	Jeet Shinde	B	B2	20302D0033	Jivesh Keni	D
B1	20302B0027	Aditya Kadali	B	B2	20302D0034	Zayn Ansari	D
B1	20302B0028	Kundan Pandey	B	B2	20302D0035	Sakshi Patil	D
B1	20302B0030	Jagriti Pandey	B	B2	20302D0036	Atharva Vispute	D
B1	20302B0031	Akash Makwana	B	B2	20302D0037	Saurabh Sawant	D
B1	20302B0034	Shubham Yadav	B	B2	20302D0038	Shlesha Joshi	D
B1	20302B0035	Ayush Mangle	B	B2	20302D0039	Omkar Yadav	D
B1	20302B0038	Pushkar Virkar	B	B2	20302D0040	Neeraj Surve	D
B1	20302B0039	Om Kumar Modi	B	B2	20302D0041	Ved Sawant	D
B1	20302B0040	Bhaves Chavan	B	B2	20302D0042	Rupali Sapkal	D
B1	20302B0041	Michael Minish -	B	B2	20302D0043	Sahil Jadhav	D
B1	20302B0042	Deepak Gupta	B	B2	20302D0044	Vishakha Kokate	D

VSIT | Vidyalkar School of
Information Technology | **Dept. of Information Technology**

B1	20302B0043	Amaan Raza Ansari	B	B2	20302D0045	Harsh Pandere	D
B1	20302B0044	Mitesh Raorane	B	B2	20302D0047	Akash Narkar	D
B1	20302B0045	Sharvil Mayekar	B	B2	20302D0048	Prathamesh Dhumal	D
B1	20302B0046	Akarsh Gupta	B	B2	20302D0049	Mohd Amir Chaugule	D
B1	20302B0047	Vrushabh Lokhande	B	B2	20302D0050	Yash Mahajan	D
B1	20302B0048	Aman Saroj	B	B2	20302D0051	Ganesh Basa	D
B1	20302B0049	Samidha Karangutkar	B	B2	20302D0052	Tushar Dalvi	D
B1	20302B0050	Sudhanshu -	B	B2	20302D0053	Aamin Shaikh	D
B1	20302B0051	Faiz Ashraf Ansari	B	B2	20302D0054	Prabhjeet Singh Chopra	D
B1	20302B0052	Pawan Kumar Singh	B	B2	20302D0055	Naved Shaikh	D
B1	20302B0053	Shubham Sawant	B	B2	20302D0056	Priyanka Nama	D
B1	20302B0054	Ninad Sawant	B	B2	20302D0057	Sonali Khamkar	D
B1	20302B0055	Abdul Rahman -	B	B2	20302D0058	Soham Shintre	D
B1	20302B0056	Mohammed Shaqeeb Shaikh	B	B2	20302D0060	Aditi Gaikwad	D
B1	20302B0057	Prince Aryan Khan	B	B2	20302D0061	Yash Barsagade	D
B1	20302B0058	Shubroto Maji	B	B2	20302D0062	Ajay Singh	D
B1	20302B0059	Mohammad Harnekar	B	B2	20302D0063	Aditya Gaikwad	D
B1	20302B0060	Shan Mondal	B	B2	20302D0064	Darshan Jain	D
B1	20302B0061	Parth Gangan	B	B2	20302D0065	Yashika Lodh	D
B1	20302B0062	Arsalan Shaikh	B	B2	20302D0066	Siddhesh Chougale	D
B1	20302B0063	Muzafferli Syed	B	B2	20302D0067	Ramakrishna Jakka	D
B1	20302B0064	Diksha Parmar	B	B2	20302D0068	Omkar Potphode	D
B1	20302B0065	Meet Satiya	B	B2	20302D0069	Umar Shaikh	D
B1	21302E3006	Shubham Chandrakant Dongare	B	B2	20302D0070	Pratik Patel	D
B1	21302E3007	Jeet Suhas Save	B	B2	20302D0071	Shubham Khandekar	D
B1	21302E3008	Nevagi Ameya Satish	B	B2	21302E3017	Yashas Dabholkar	D
B1	21302E3009	Indresh Pandey	B	B2	21302E3018	Saiganesh Jangam	D
B1	21302E3010	Dsouza Christian John	B	B2	21302E3019	Neha Pirdankar	D
B1	18302B0033	Rakesh Kumar Mali	B	B2	21302E3020	Manish Choudhary	D
				B2	21302E3021	Ashutosh Chavan	D
				B2	21302E3022	Sameer Majid Bate	D
Batch	Roll No	Name	Div	Batch	Roll No	Name	Div
C1	20302C0001	Akhila Nare	C	C2	20302C0038	Vinay Domal	C
C1	20302C0002	Janmesh Maneti	C	C2	20302C0039	Prathamesh Sawant	C
C1	20302C0003	Vijay Jagdale	C	C2	20302C0040	Shamit Pophale	C
C1	20302C0004	Tanmay Parab	C	C2	20302C0041	Trupti Chary	C
C1	20302C0005	Priti Yadav	C	C2	20302C0042	Perlin -	C

C1	20302C0007	Bosco -	C	C2	20302C0043	Mhod Sefat Shaikh	C
C1	20302C0008	Shreyash Phadatare	C	C2	20302C0044	Aman Gupta	C
C1	20302C0009	Maria Jenisha -	C	C2	20302C0045	Rohit Pallikonda	C
C1	20302C0011	Jaihind Jaiswar	C	C2	20302C0046	Tanmay Shetye	C
C1	20302C0012	Kirti Talari	C	C2	20302C0047	Abhishek Saroj	C
C1	20302C0013	Hiranmay Mondal	C	C2	20302C0048	Anujkumar Yadav	C
C1	20302C0014	Khushi Rane	C	C2	20302C0049	Krishna Patel	C
C1	20302C0015	Alankar Shinde	C	C2	20302C0051	Kartik Manik	C
C1	20302C0016	Delcis Nadar	C	C2	20302C0052	Vinit Gaonkar	C
C1	20302C0017	Siddhesh Jadhav	C	C2	20302C0053	Saheel Chavan	C
C1	20302C0018	Unmesh Jadhav	C	C2	20302C0054	Prince Jaiswar	C
C1	20302C0019	Pratham Parab	C	C2	20302C0055	Vaishnavi Gujjeti	C
C1	20302C0020	Pradnesh Palav	C	C2	20302C0057	Aditya Pandey	C
C1	20302C0022	Siddhant Singh	C	C2	20302C0058	Prathamesh Davande	C
C1	20302C0023	Nikshita Gothankar	C	C2	20302C0059	Pratik Dumbare	C
C1	20302C0024	Soham Raul	C	C2	20302C0060	Vishal Sahani	C
C1	20302C0025	Pranav Nagvekar	C	C2	20302C0061	Atharva Naik	C
C1	20302C0026	Hemendu Maji	C	C2	20302C0062	Ankit Singh	C
C1	20302C0027	Bhagyes Nare	C	C2	20302C0063	Harsh Kyadari	C
C1	20302C0028	Neetansh Bhowad	C	C2	20302C0065	Mohd Jaid Khan	C
C1	20302C0029	Laxminarayan Shukla	C	C2	20302C0066	Adish Andhere	C
C1	20302C0030	Ramchandra Parab	C	C2	20302C0067	Moize Ansari	C
C1	20302C0031	Vanjinathan -	C	C2	21302E3011	Sumit Subir Roy	C
C1	20302C0032	Yash Gaikwad	C	C2	21302E3012	Raj Vilas Kavankar	C
C1	20302C0033	Atharva Kulkarni	C	C2	21302E3013	Anoop D Raut	C
C1	20302C0035	Rohan Godiyal	C	C2	21302E3014	Arbaaz kadwekar	C
C1	20302C0036	Vaishnavi Musmade	C	C2	21302E3015	Ture Atharva Narendra	C
C1	20302C0037	Abhishek Mishra	C	C2	21302E3016	Hanif Asalam Nakhwa	C

Batch	Roll No	Name	Div
F	20302F0001	Aditya Suvarna	F
F	20302F0002	Raj Oza	F
F	20302F0003	Moinuddin Vohra	F
F	20302F0004	Sarthak Shinde	F
F	20302F0005	Harsh Mishra	F
F	20302F0007	Dylan Murzello	F
F	20302F0008	Rahiq Majeed	F
F	20302F0010	Priyadarshini Sawant	F

F	20302F0011	Manrajsingh Kapoor	F
F	20302F0013	Mukund Kelkar	F
F	20302F0015	Ruswin Raja	F
F	20302F0016	Atharv Suryawanshi	F
F	20302F0017	Yash Dasri	F
F	20302F0018	Neeraj Patil	F
F	20302F0019	Mehul Pakhare	F
F	20302F0020	Aditya Saraf	F
F	20302F0021	Rudraksh Berde	F
F	20302F0022	Omkar Tawate	F
F	20302F0023	Sejal Deshpande	F
F	20302F0024	Smit Bhabal	F
F	20302F0025	Ajay Chavan	F
F	20302F0026	Soham Prabhu	F
F	20302F0027	Soumik Mitra	F
F	20302F0028	Amaye Hate	F
F	20302F0029	Arya Shankarling	F
F	20302F0030	Muhammad Ali Ghazali	F
F	20302F0032	Navya Shetty	F
F	20302F0034	Chetna Bendale	F
F	20302F0036	Rahul Kaushal	F
F	20302F0037	Khawaja Moinuddin Shaikh	F
F	20302F0038	Omkar Naik	F
F	21302F3001	Vrajesh Damodar Kunder	F
F	21302F3002	Abdur Rahman Khan	F
F	21302F3003	Prem Rajput	F
F	21302F3004	Janhavi Dinesh Warang	F
F	21302F3005	Masoom Shaikh	F
F	21302F3006	Aditya Santosh Bhosale	F
F	21302F3007	Aryan Bhoj	F
F	21302F3008	Siddhi Ghanekar	F

11. End Sem Examination

B.Sc.IT. Roll No. _____ Student Sign _____ Supervisor Sign: _____

VIDYALANKAR SCHOOL OF INFORMATION TECHNOLOGY

Date: / 05 / 2022 End Semester Examination May 2022 (Section 1: MCQs) Time: 2½hrs.

F.Y. B.Sc.IT. SEM -II Subject: _____ Marks: 35

Instructions: (1) All Questions are compulsory.

QI	Select the correct alternative and tick mark on answer. (1 marks each)	35
1.	Which of the following is not a level of data abstraction? a) Physical Level b) Critical Level c) Logical Level d) View Level	1
2.	_____ Symbol used to represent Entity in ER Diagram. a) Rectangle b) Triangle c) Square d) Diamond	1
3.	Hierarchical models are also called as a) Tree structure b) Plex Structure c) Normalize Structure d) Table Structure	1
4.	Which of the following is not a property of a transaction? a) Simplicity b) Atomicity c) Isolation d) Durability	1
5.	The attribute AGE is calculated from DATE_OF_BIRTH. The attribute AGE is a) Single Valued b) Multi Valued c) Derived d) Stored	1
6.	Bottom-up approach of superclass/ subclass relationship is called as _____. a) Specialization b) Generalization c) Aggregation d) Data Abstraction	1
7.	The facts and figures that can be recorded in a system and that have some special meaning assigned to it is called _____. a) Data b) Database Schema c) Information d) Database management System	1
8.	The address field of a person should not be part of the primary key, since it is likely to a) Dependent b) Changed c) Not Changed d) Too Long	1
9.	_____ form of Normalization prohibits partial Dependencies. a) 1NF b) 2NF c) 3NF d) BCNF	1
10.	_____ key is called as the most appropriate reference key of the table. a) Primary Key b) Super Key c) Foreign key d) Candidate Key	1
11.	Tuples are also called as a) Rows b) Attributes c) Fields d) Columns	1
12.	One tuple in an entity is associated with at most one tuple in another entity is called as _____ type of relationship. a) One to one b) Many to One c) One to Many d) None of these	1
13.	_____ keys are selected from the set of super keys. a) Super Key b) Primary Key c) Foreign Key d) Candidate Key	1
14.	Every object in an entity must participate in relationship is called as _____ participation. a) Total b) Partial c) Medium d) Complete	1
15.	Which aggregate function is used to retrieve the maximum values? a) Most b) Max c) Top d) Maximum	1
16.	The _____ operation, allows us to find tuples that are in one relation but are not in another. a) Minus b) Intersection c) Set Difference d) Difference	1
17.	_____ join takes all tuples in left relation that did not match with any tuple in the right relation. a) Left Outer Join b) Right Outer Join c) Inner Join d) Natural Join	1

B.Sc.IT. Roll No. _____ Student Sign _____ Supervisor Sign: _____

18.	This _____ operation yields the results that appear in either or both of two relations. a) Union b) Intersection c) Set Difference d) Cartesian Product	1
19.	_____ operator selects values within a given range and begin and end values are included. a) Distinct b) IN c) BETWEEN d) Begin	1
20.	Which of the following are TCL commands? a) Delete and Create b) Delete and Create c) Grant and Revoke d) Commit and Rollback	1
21.	_____ command is used to sort the result-set in ascending or descending order. a) Order by b) Group By c) Where d) Having	1
22.	The _____ sign represents single occurrence of character in pattern matching. a) _ b) * c) % d) #	1
23.	SQL subqueries are most frequently used with the _____ statement. a) Select b) Update c) Delete d) insert	1
24.	There are _____ types of Views. a) 4 b) 5 c) 6 d) 7	1
25.	Which of the following is a DML command? a) Drop b) Truncate c) Update d) Alter	1
26.	This will find any values that have "r" in the second position. a) LIKE ' r%' b) LIKE 'r%' c) LIKE '%r%' d) LIKE '%r'	1
27.	Views are called Virtual tables. a) True b) False c) can't say	1
28.	What are the ways of dealing with deadlock? a) Detection b) Prevention c) Recovery d) All of the above	1
29.	A _____ is a series of small database operations that together form a single large operation. a) Transaction b) File c) Data d) Register	1
30.	Which of the following is not a phase in Optimistic Concurrency Control? a) Begin b) Declare c) Commit d) Validate	1
31.	The DBMS uses _____ to manage multiuser databases. a) Commit b) Concurrency Control c) Grant d) Rollback	1
32.	The type of locking is used by the DBMS when a transaction wants to read data in the database a) Shared b) Exclusive c) Ready d) Inclusive	1
33.	_____ command is used to temporarily save a transaction so that you can roll back to that point whenever required. A) Rollback b) Savepoint c) Commit d) Deadlock	1
34.	A system is in a _____ state if there exists a set of transactions such that every transaction in the set is waiting for another transaction in the set. a) deadlock b) waiting c) ready d) idle	1
35.	_____ file is a sequence of recording all the update activities in the database. a) Lock b) Logo c) Log d) Data	1

B.Sc.IT. Roll No. _____ Student Sign _____ Supervisor Sign: _____

VIDYALANKAR SCHOOL OF INFORMATION TECHNOLOGY

Date: / 05 / 2022 End Semester Examination May 2022 (Section 2: Descriptive) Time: 2½hrs.

F.Y. B.Sc.IT. – SEM -II Subject: _____ Marks: 40

QII	Attempt <i>any two</i> of the following:	8
1.	What are the benefits of DBMS over file system?	
2.	Write a short note on Hierarchical model with its advantages.	
3.	List and explain different levels of Data abstraction.	
4.	List and explain any 4 types of attributes in ER model.	
		8
QIII	Attempt <i>any two</i> of the following:	
1.	Explain Relational Database design process.	
2.	Define Normalization. Explain 1NF in detail.	
3.	Explain primary key and foreign key with example.	
4.	Write a short note on Relational Integrity rules.	
		8
QIV	Attempt <i>any two</i> of the following:	
1.	List and Explain Aggregate functions in SQL with example.	
2.	Explain Unique and Not Null constraints with example.	
3.	Write a short note on Outer join.	
4.	Consider a table client_master(C_Id, C_Name, C_Balance, C_city, C_Phoneno) i) Display details of all clients whose name start with s and ends with m. ii) Change the city of client C005 to Delhi. iii) Display information of clients in descending order of balance. iv) Display name of the client having highest balance.	
		8
QV	Attempt <i>any two</i> of the following:	8
1.	What is View? Explain any two types of View with Example.	
2.	Explain DML Commands in SQL.	
3.	Write a short note on Database Design Strategies.	
4.	Explain Database Design Life Cycle.	
		8
QVI	Attempt <i>any two</i> of the following:	8
1.	Explain two phase locking(2PL) in detail.	
2.	Explain Optimistic concurrency control (OCC) in detail	
3.	Explain shared and Exclusive locks.	
4.	Write a short note on Database Recovery Management.	

End Sem Exam Notice:

VSIT Vidyalankar School of Information Technology	<u>Examination Time Table</u>
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Date: 24/12/2021

B.Sc. (IT) Semester I Regular End Semester Examination
to be held in January 2022

Day	Date	Time	Subject
Monday	17/01/2022	10:30 am – 11:30 am	Imperative Programming
Tuesday	18/01/2022	10:30 am – 11:30 am	Digital Electronics
Wednesday	19/01/2022	10:30 am – 11:30 am	Operating Systems
Thursday	20/01/2022	10:30 am – 11:30 am	Discrete Mathematics
Friday	21/01/2022	10:30 am – 11:30 am	Communication Skills

I/C Exam Cell

Vice Principal

Principal

Date: 24/12/2021

B. Sc. (Data Science) Semester I Regular End Semester**Examination to be held in January 2022**

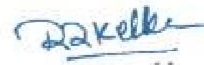
Day	Date	Time	Subject
Monday	17/01/2022	10:30 am – 11:30 am	Descriptive Statistics
Tuesday	18/01/2022	10:30 am – 11:30 am	Introduction to Programming
Wednesday	19/01/2022	10:30 am – 11:30 am	Web Technology
Thursday	20/01/2022	10:30 am – 11:30 am	Business Communication and Information Ethics
Friday	21/01/2022	10:30 am – 11:30 am	Precalculus



I/C Exam Cell



Vice Principal



Principal

Date:15/12/2022

As per the decisions of Statutory Bodies (BOEE, AC and MC), University of Mumbai, All the Under Graduate Courses B.Sc.IT/B.Sc. DS/BMS/BAF/BBI/BFM/BAMMC students are hereby informed that the dates of commencement for Regular Semester 1 Examinations to be conducted in January 2022 are scheduled as under.

Examination	Examination	Date of commencement for Examination
B.Sc. IT and B.Sc. DS Semester 1	Practical	10 th January, 2022
	Theory	17 th January, 2022
BAF/BBI/BFM/BAMMC/BMS Semester 1	Theory	15 th January, 2022

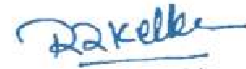
The time table and other details will be intimated shortly.



Exam Cell In-charge



Vice - Principal



Principal

Date: 30/09/2021

B.Sc. (IT) Semester I ATKT Examination**to be held in October 2021**

Day	Date	Time	Subject
Friday	08/10/2021	3:00 P.M-4:00 P.M	Imperative Programming
Saturday	09/10/2021	3:00 P.M-4:00 P.M	Digital Electronics
Monday	11/10/2021	3:00 P.M-4:00 P.M	Operating Systems
Tuesday	12/10/2021	3:00 P.M-4:00 P.M	Discrete Mathematics
Wednesday	13/10/2021	3:00 P.M-4:00 P.M	Communication Skills

I/C Exam Cell

Vice Principal

Principal

Date: 13/11/2021

BSc.IT Old Syllabus Semester V ATKT End Semester
Examination to be held in November 2021

Day	Date	Time	Subject
Thursday	25/11/2021	3:00 pm-4:00 pm	Network Security
Friday	26/11/2021	3:00 pm-4:00 pm	ASP.NET with C#
Monday	29/11/2021	3:00 pm-4:00 pm	Software Testing
Tuesday	30/11/2021	3:00 pm-4:00 pm	Advance Java
Wednesday	01/12/2021	3:00 pm-4:00 pm	Linux Administration

I/C Exam Cell

Vice Principal

Principal

Date: 24/12/2021

B.Sc. (IT) Semester I Regular End Semester Examination
to be held in January 2022

Day	Date	Time	Subject
Monday	17/01/2022	10:30 am – 11:30 am	Imperative Programming
Tuesday	18/01/2022	10:30 am – 11:30 am	Digital Electronics
Wednesday	19/01/2022	10:30 am – 11:30 am	Operating Systems
Thursday	20/01/2022	10:30 am – 11:30 am	Discrete Mathematics
Friday	21/01/2022	10:30 am – 11:30 am	Communication Skills

I/C Exam Cell

Vice Principal

Principal

Date: 17/01/2022

**BSc.IT Semester IV Mid Term Examination to be held in
January, 2022**

Day	Date	Time	Subject
Monday	24/01/2022	11:00 am-12:00 noon	Core Java
Tuesday	25/01/2022	11:00 am-12:00 noon	Introduction To Embedded Systems
Thursday	27/01/2022	11:00 am-12:00 noon	Computer Oriented Statistical Techniques
Friday	28/01/2022	11:00 am-12:00 noon	Software Engineering
Saturday	29/01/2022	11:00 am-12:00 noon	Computer Graphics and Animation



I/C Exam Cell



Vice Principal



Principal

Date: 28/02/2022

B.Sc. (IT) Semester IV Internal Assessment-2**Examination to be held in March 2022**

Day	Date	Time	Subject
Monday	07/03/2022	12:00 noon-1:00 pm	Core Java
Tuesday	08/03/2022	12:00 noon-1:00 pm	Introduction to Embedded Systems
Wednesday	09/03/2022	12:00 noon-1:00 pm	Computer Oriented Statistical Techniques
Thursday	10/03/2022	12:00 noon-1:00 pm	Software Engineering
Friday	11/03/2022	12:00 noon-1:00 pm	Computer Graphics and Animation

I/C Exam Cell

Vice Principal

Principal

Examination Notice

Date: 02/03/2022

BSc.(IT) Sem VI Internal Assessment-2**Examination to be held in March 2022**

Day	Date	Time	Subject
Monday	07/03/2022	9:30 am -11:00 am	Software Quality Assurance
Tuesday	08/03/2022	9:30 am -11:00 am	Security in Computing
Wednesday	09/03/2022	9:30 am -11:00 am	Business Intelligence
Thursday	10/03/2022	9:30 am -11:00 am	Principles of Geographic Information System
Friday	11/03/2022	9:30 am -11:00 am	Cyber Law/ IT Service Management

I/C Exam Cell

Vice Principal

Principal

Date: 20/01/2022

Supervision Duty Chart for S.Y.B. Sc.IT SEM IV Midterm Examination January 2022.


This is to inform that all Supervisors of S.Y.B.Sc.IT Semester IV that Online Mid-Term examination will be conducted from **Monday 24th January, 2022 to Saturday 29th January, 2022** as per the Timetable.

Supervision Duty Chart for S.Y.B. Sc.IT SEM IV Midterm Examination

Day & Date	Time	A1	A2	B1	B2	C1	C2	D1	D2	F1
Mon 24 th Jan 2022	11.00 am to 12.00 noon	Geeta S	Ketki G	Rajendra P	Secma B	Kimaya S	Sabir S	Rohini G	Leena J	Maitreyi J
Tue 25 th Jan 2022		Geeta S	Ketki G	Rajendra P	Secma B	Kimaya S	Sabir S	Rohini G	Leena J	Maitreyi J
Thu 27 th Jan 2022		Geeta S	Ketki G	Rajendra P	Secma B	Kimaya S	Sabir S	Rohini G	Leena J	Maitreyi J
Fri 28 th Jan 2022		Geeta S	Ketki G	Rajendra P	Secma B	Kimaya S	Sabir S	Rohini G	Leena J	Maitreyi J
Sat 29 th Jan 2022		Geeta S	Ketki G	Rajendra P	Secma B	Kimaya S	Sabir S	Rohini G	Leena J	Maitreyi J

Guidelines to Supervisors:

- All supervisors will supervise the exam from Lab X.119 Lab.
- Supervisors will create a recurring meeting link (wherever applicable) as per the timetable given above. Meetings should be created batch wise in the GENERAL channel of the concerned Team. Use the format SYIT Div A Batch A1_Sem4 Midterm Exam to create meeting link. Meeting Link timings should be from 10.45 a.m to 12.15 p.m.
- Supervisors will supervise as per the allocation mentioned above.
- Supervisors should join and start the concerned meeting at 10.45 am.
- Remain in the meeting till all the present students Submit midterm paper.
- Do not extend the submission time by yourself. Contact SYBSCIT In-Charge/Harish N in case of any issue.
- Enter the attendance online in the shared attendance sheet.


 IC Exam Cell


 Vice-Principal


 Principal

Date: 16/03/2022

**B.Sc. (IT) Semester VI Revised Course ATKT End
Semester Examination to be held in April-May 2022**

Day	Date	Time	Subject
Tuesday	26/04/2022	3:00 pm-4:00 pm	Internet Technologies
Wednesday	27/04/2022	3:00 pm-4:00 pm	Project Management
Thursday	28/04/2022	3:00 pm-4:00 pm	Data Warehousing
Friday	29/04/2022	3:00 pm-4:00 pm	Geographic Information System/IPR, Cyber Law/Digital Signals & Systems
Monday	02/05/2022	3:00 pm-4:00 pm	Project Report & Viva

I/C Exam Cell

Vice Principal

Principal

Date: 16/03/2022

**B.Sc. (IT) Semester VI Old Course ATKT End Semester
Examination to be held in April-May 2022**

Day	Date	Time	Subject
Tuesday	26/04/2022	3:00 pm-4:00 pm	Internet Technologies
Wednesday	27/04/2022	3:00 pm-4:00 pm	C#
Thursday	28/04/2022	3:00 pm-4:00 pm	Customer Relation Management
Friday	29/04/2022	3:00 pm-4:00 pm	Total Supply Chain Management
Monday	02/05/2022	3:00 pm-4:00 pm	Project



I/C Exam Cell



Vice Principal



Principal

Name of the Faculty:- Ms. Pushpa Mahapatro

Department:- Information Technology

Serial No.	Courses [taught in Odd 2021-22 Name and Code as mentioned in Mumbai Univ. syllabus	Course / Class Details			YSIT Cluster Mentor	Academic Cluster Mentor	Industry Cluster Mentor
		Program	Year	Division			
1	SPM & USIT501	BScIT	TY	A, C, E	Pushpa Mahapatro	-	-
2	IOT & USIT5P2	BScIT	TY	A, E	Umesh Koyande	-	-
3						-	-

** Previous (June 2021 to Dec 2021) semester is termed as **Odd 2021-22** * Current (Jan 2021 to May 2022) semester is termed as **Even 2021-22**

Serial No.	Items	Marks Scheme	Faculty Data	Self-Score	Quality Factor Multiplier By DAO (0 to 1)	Departmental Score	Quality Factor Multiplier By Panel (0 to 1)	Final Score
1	Even 2020-21- Average % result of subjects taught. See May 2021 result.	Average result >95% = 40 marks, 90 to <95%=36, 80 to 89%=32, 70 to 79%=28, 60 to 69%=20, Below 60% result = 0 marks.		40				
2	Even 2020-21 - Number of students failed in each divisions that you have taught- May 2021 Regular MU exam in your subject/s	Number of failed students in a division 0 to 3 = 10 marks 4 to 7 students = 7 marks 8 to 10 students = 2 marks More than 10 students = 0 marks		10				
3	Remedial session for Even 2020-21 MU Exam failure students - for subjects with < 85% passing	Score = Att × (C/P) × 10 Att=Average % attendance in all remedial sessions together /100. C=Conducted remedial session, P= Planned remedial sessions		NA				
4	Marks obtained in Even 2020-21 MU exam paper handwritten solutions - for Even 2020-21 sem. subjects	i) % Marks > 85, A=0.1 × % Marks. ii) 75 < % Marks Obtained < 85, A=0.07 × % Marks obtained. iii) % Marks < 70, A = 0.		NA				

Serial No.	Items	Marks Scheme	Faculty Data	Self-Score	Quality Factor Multiplier By DAO (0 to 1)	Departmental Score	Quality Factor Multiplier By Panel (0 to 1)	Final Score	
5	Learning resource developed (digital content remedial tutorial solution included) in Odd 2021-22 semester	i) 5 marks for each subject if taught 2 subjects. ii) If only 1 theory subject is taught, 10 marks for that.		10					
6	AAP Compliance: Score = [(No. of lectures conducted including Extra / No. of lectures as per Syllabus) * Syllabus Completed % * Average Attendance % * 0.004] Round off the score to 40, if score > 40	Lectures Conducted	Average attendance? $\frac{40}{40} \times 100 \times 65 \times 0.004 = 26$	26					
		Experiments Conducted	Average attendance? $\frac{9}{9} \times 100 \times 65 \times 0.002 = 13$	13					
		For Each BSA Activity: Score = 10 * Quality Factor Quality factor = 1 if i) no of attendees / beneficiaries in the event is >65% per division ii) if feedback form is generated iii) if students' feedback > 3 for all the events mentioned under the BSA activities	Guest Lectures by Industry Expert / Workshops/ Panel Discussion		10				
		Videos – NPTEL, Lecture Capture or other video show in class		10					
	Industrial Visits Planned/ Poster Presentation /Video Competition		10						
	Mini Projects / Pop Quiz / Seminars / Mobile App Based Quiz		10						
7	Students' Assignment preparation/ Unit wise Quiz preparation in Odd 2021-22	Score = 10 × Quality Factor × Prepared / Planned. (take quality factor fraction between 0 to 1)		10					
8	Enrolment in Value Added Courses (VAC) in Odd 2021-22 semester in your subject.	i) No of students enrolled from your class if > 50% = 5 marks. ii) 30% < enrolment < 50 = 3 marks iii) % enrolment < 30 = 0 marks.		NA					

Serial No.	Items	Marks Scheme	Faculty Data	Self-Score	Quality Factor Multiplier By DAO (0 to 1)	Departmental Score	Quality Factor Multiplier By Panel (0 to 1)	Final Score
9	Students Enrolment in MOOC course for the subject taught	i) No of students enrolled from your class if > 60% = 5 marks. ii) 30 < % enrolment < 60 = 3 marks iii) % enrolment < 30 = 0 marks.		5				
10	Staff enrolment in MOOC	Certified = 5, Only Enrolment = 2		5				
11	Innovative teaching methodology to improve effectiveness in teaching	Open book Test for BE / Take Home Test for <u>TE</u> and <u>ME</u>		10				
		Lecture capture usage from previous year + this year your lectures captured		10				
12	PBL implementation	2 new PBL implementation = 5 1 new PBL implementation = 3 0 PBL implementation = 0 mark		5				
13	CO attainment	Mention CO calculation for former subjects in Even 2020-21 semester – show hardcopy for the new CO method		NA				
14	IA1 question paper audit score by cluster mentor	> 80% audit score = 5 marks 60 < % audit score < 80 = 4 marks < 60 % audit score = 0 mark		5				
	IA2 question paper audit score by cluster mentor			5				
15	IA1 Solution	Perfectly written detailed solution = 5 marks maximum (self-evaluation)		5				
	IA2 Solution			5				

Serial No.	Items	Marks Scheme	Faculty Data	Self-Score	Quality Factor Multiplier By DAO (0 to 1)	Departmental Score	Quality Factor Multiplier By Panel (0 to 1)	Final Score
16	IA1 passing %	> 95 % to 100% = 5 marks > 90 % to < 95% = 4 marks Less than 90% = 0 marks		5				
	IA2 passing %			5				
	IA1 & IA2 averaged – passing %	> 95 % to 100% = 10 marks > 90 % to < 95% = 9 marks Less than 90% = 0 marks		10				
17	For students' feedback for lecture and lab, consider only the third point that is Effective Communication. 'EC', if you took 2 theory and a lab, then feedback score EC = average of all EC scores after separate calculations.	i) EC > 3.5 , Score = $20 \times \frac{Att}{100}$ ii) 3 < EC < 3.5 , Score = $14 \times \frac{Att}{100}$ iii) 2.5 < EC < 3 , Score = $10 \times \frac{Att}{100}$ iv) EC < 2.5 , Score = 0 Att = % attendance of that class in lectures and labs	14 X 65% = 8.4	9.1				
18	Prediction in identification of probable failures for students who will appear for Odd 2021-22 MU exam	(Self-Assessment) If deviation varies by number of i) 0 to 2 students = 5 marks ii) 3 to 5 students = 3 marks iii) more than 5 students = 0		NA				
19	Work done on preventive remedial tutorial in Odd 2021-22 for regular weak students – may include vacation batch lectures in it	Score = 10 , If conducted more than 10 lectures and syllabus coverage is > 60%. Score = 8 , If conducted 10 to 20 lectures and syllabus coverage is < 60%.		NA				

2.5: Evaluation Process and Reforms

Academic Review - Staff Evaluation Form – Dec 2021
(Odd Sem 2021-2022)

Serial No.	Items	Marks Scheme	Faculty Data			Self-Score	Quality Factor Multiplier By DAO (0 to 1)	Departmental Score	Quality Factor Multiplier By Panel (0 to 1)	Final Score
20	Xeroxed notebook from a student - for subjects taught in each division	Neatly prepared class notes, journals, & properly photocopied = 10 marks, else DAO applies quality factor looking at the document				NA				
21	Departmental role	Score = Q Factor × (C/P) × 10. Q-quality, C-Conducted, P-Planned				10				
22	Institute Committee role	Score = Q Factor × (C/P) × 10. Q-quality, C-Conducted, P-Planned				10				
23	V-Refer/MS-Teams updation for each subject taught – Knowledge Map, Comprehensive AAP, Notes in PDF & PPT, All Assignments & Tutorials, Weekly and IA Test Papers, Weekly and IA Test Solutions, List of teaching resources, Reports of all BSA activities, Comprehensive Question Bank for Viva.					10				
24	Course diary completion	10 marks for perfect completion				NA				
25	Staff diary completion	10 marks for perfect completion				NA				
Total out of '300'									263.1	

Name of the Faculty / Department and Signature	% Score for sum of all entries in 9 th column	Dec 2021 Academic Review Grade	June 2021 Academic Review Grade	November 2020 Academic Review Grade

Academic Review - Staff Evaluation Form – Dec 2021
(Odd Sem 2021-2022)

Comments given by CAO over Self Score (Academic Review 1 st Cut)				Comments given by Review Expert (Academic Review Final Stage)			
Sr. No.	Item	Suggested Action Point	Completed on/ Checked by DAO	Sr. No.	Item	Suggested Action Point	Completed on/ Checked by Rev Expert

CAO Signature :

Review Expert Signature :

Academic Preview

Academic Preview - Staff Evaluation Form – Dec 2021 (Even Sem 2021-22)

Name of the Faculty:- Ms. Pushpa Mahapatro

Department:- Information Technology

Serial No.	Course Name & Course Code as per Mentioned in the Mumbai University Syllabus	Course / Class Details			VSIT Cluster Mentor	Academic Cluster Mentor	Industry Cluster Mentor
		Prog	Year	Division/s			
1	PGIS & USIT604	BScIT	TY	A, C, E	Pushpa Mahapatro	-	-
2	PGIS & USIT6P4	BScIT	TY		Pushpa Mahapatro	-	-
3	SPM & USIT501	BScIT	TY	A, C, E	Pushpa Mahapatro	-	-
4	IOT & USIT5P2	BScIT	TY	A, E	Umesh Koyande	-	-

* Previous (Jan 2021 to May 2021) semester is termed as **Even 2020-21** ** Current (June 2021 to Nov 2021) semester is termed as **Odd 2021-22**

Serial No.	Items	Marks Scheme and Related Criteria	Self-Evaluation Details Given by Faculty for the Related Courses			Self-Score	Quality Factor Multiplier - Cluster Mentor (0 to 1)	Departmental Score	Quality Factor Multiplier - Preview Panel (0 to 1)	Final Score	Remarks for Improvement [Email to Faculty by HOD] – [CC to Cluster Mentor]
			Subject 1 [Max 10]	Subject 2 [Max 10]	Subject 3 [Max 10]						
1	Marks obtained in handwritten solutions for Odd 2021-22 Courses – May 2021 MU Exam Paper	i) % Marks >85, A=0.1 × % Marks. ii) 75 < % Marks Obtained <85, A=0.07 × % Marks obtained. iii) % Marks < 70, A = 0. For 1 course = scale to 20	Subject 1 [Max 10]	Subject 2 [Max 10]	Subject 3 [Max 10]	NA Max 20 ADD					
2	For Caustic Subjects (Result < 85%) Mention Learning from Faculty who taught the course in Previous Academic Years – write in details - no marks allotted for this point, your statements are required	Past results (past 3 years result) Recommendations from faculty who taught this course previously - mention staff names Topics which bring the result down – give details	NACY-1	CY-2	CY-3	Recommendations – Topics that bring result down – Attach hardcopy of Week 0 & 1 Time table given to you for any course					

Academic Preview - Staff Evaluation Form – Dec 2021 (Even Sem 2021-22)

Serial No.	Items	Marks Scheme and Related Criteria	Self-Evaluation Details Given by Faculty for the Related Courses			Self-Score	Quality Factor Multiplier - Cluster Mentor (0 to 1)	Departmental Score	Quality Factor Multiplier - Preview Panel (0 to 1)	Final Score	Remarks for Improvement [Email to Faculty by HOD] – [CC to Cluster Mentor]
			Subject 1 [Max 10]	Subject 2 [Max 10]	Subject 3 [Max 10]						
3	Marks obtained in handwritten solutions for Even ATKT Nov/Dec 2021 Exam Paper	i) % Marks >85, A=0.1 × % Marks. ii) 75 < % Marks Obtained <85, A=0.07 × % Marks obtained. iii) % Marks < 70, A = 0.	Subject 1 [Max 10]	Subject 2 [Max 10]	Subject 3 [Max 10]	NA Max 10 ADD					
Proper Preparation of Academic Administration Plan (AAP) and Upload on V-Live with Signature from All Authorities – [point 4 to 22 are about AAP only]											
4	Dept. Knowledge Map	i) 5 marks for each course and 10 marks for 2 courses- upload in VMIS ii) 10 marks for only 1 theory course	Subject 1 [Max 5]	Subject 2 [Max 5]	Subject 3 [Max 5]	10					
5	Course Objectives	Defined course objectives in AAP for all courses that are going to be taught in Odd 2021-22	Subject 1 [Max 10]	Subject 2 [Max 10]	Subject 3 [Max 10]	10					
6	Course Outcome (CO) Related Mapping in AAP	Course Outcome (CO) Statements are given and CO to Course Module mapping is done in AAP	Subject 1 [Max 10]	Subject 2 [Max 10]	Subject 3 [Max 10]	10					
		Course Outcome (CO) to Program Outcome (PO) mapping is done in AAP Course Outcome (CO) to Program Specific Outcome (PSO) mapping is done in AAP	Subject 1 [Max 10]	Subject 2 [Max 10]	Subject 3 [Max 10]	NA Max 10 ADD					
7	Teaching and Examination Scheme as per university syllabus	Shown in detail in AAP for all courses that are going to be taught in Even 2021-22 Semester	Subject 1 [Max 10]	Subject 2 [Max 10]	Subject 3 [Max 10]	10					
8	Faculty-Wise Distribution of teaching share	For all Lecture Practical & Tutorial Hours for the courses given in AAP	Subject 1 [Max 5]	Subject 2 [Max 5]	Subject 3 [Max 5]	5					
9	Office hours mentioned in AAP for all courses	Faculty will remain in office in these hour to solve students' query	Subject 1 [Max 5]	Subject 2 [Max 5]	Subject 3 [Max 5]	5					

Serial No.	Items	Marks Scheme and Related Criteria	Self-Evaluation Details Given by Faculty for the Related Courses		Self-Score	Quality Factor Multiplier - Cluster Mentor (0 to 1)	Departmental Score	Quality Factor Multiplier - Preview Panel (0 to 1)	Final Score	Remarks for Improvement [Email to Faculty by HoD] – ICC to Cluster Mentor]
			Subject 1 (Max 10)	Subject 2 (Max 10)						
10	Syllabus – module-wise mapping	For teaching hours and % weightage in Univ. exam paper	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
11	Pre-requisite courses & future course relevance	Mentioned in AAP for all courses	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
12	Very common day to day real life applications	Mentioned in AAP for all courses	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
13	Past Result Analysis	Division and Topic-wise analysis mentioned in AAP for all courses	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
14	All learning resources mentioned in AAP for all the courses to be taught in Even 2021-22 semester	Text Books mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		Reference Books mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		E-Books mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		Magazines, journals, e-journals mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		Best Resources for any module mentioned in AAP for all courses	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
15	Study material distributed to students	Among students for all the courses for coming semester, ticked in AAP	Subject 1 (Max 5)	Subject 2 (Max 5)	5					
16	Web Links for Online Notes/ YouTube/Digital Content/ VIT lecture capture / NPTEL videos	Web Links for Online Notes/ YouTube/Digital Content/ VIT lecture capture / NPTEL videos mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					

Serial No.	Items	Marks Scheme and Related Criteria	Self-Evaluation Details Given by Faculty for the Related Courses		Self-Score	Quality Factor Multiplier - Cluster Mentor (0 to 1)	Departmental Score	Quality Factor Multiplier - Preview Panel (0 to 1)	Final Score	Remarks for Improvement [Email to Faculty by HoD] – ICC to Cluster Mentor]
			Subject 1 (Max 10)	Subject 2 (Max 10)						
16	Recommended Co-Curricular Course mentioned in AAP	MOOC links for Coursera / NPTEL/MIT-OCW/edX given	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		Value Added Courses	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
17	Consolidated Lesson Plan Prepared in detail	Prior viewing mentioned and Learning resources mentioned	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
18	Assignment / Tutorial questions- must show printout during preview	List of assignments / tutorials titles and analysis given	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
19	All Test Details	IA Test details mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		Open Book Test (OBT) details mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		Take Home Test (THT) details mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		Pop Quiz details mentioned in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
20	Practical Activity Details – must show printout during academic preview with full details	Regular Lab Experiment Details Given in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		Newly Added Experiment Details Given in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
		PBL Experiment Details Given in AAP	Subject 1 (Max 10)	Subject 2 (Max 10)	10					
21	Rubric for Grading and Marking of Term Work	Mentioned the Rubric in AAP	Subject 1 (Max 5)	Subject 2 (Max 5)	5					
22	Strength of BSA Activities	Interaction with Outside World	Subject 1 (Max 10)	Subject 2 (Max 10)	10					

*Academic Preview - Staff Evaluation Form – Dec 2021
(Even Sem 2021-22)*

			(Max 10)	(Max 10)						
	Tests and Assessments		Subject 1 (Max 10)	Subject 2 (Max 10)	10					
	Collaborative and Group Activity		Subject 1 (Max 10)	Subject 2 (Max 10)	10					
	Co-curricular Courses		Subject 1 (Max 10)	Subject 2 (Max 10)	10					
23	V-Live and V-Refer update for each course – Knowledge Map, Comprehensive AAP, Notes in PDF & PPT, All Assignments & Tutorials, Former Weekly and IA Test Solutions, Comprehensive Question Bank. – give declaration.		Subject 1 (Max 20)	Subject 2 (Max 20)	40					
24	Mention <u>Departmental</u> Roles	Give Details								
25	Mention Institute Roles	Give Details								
Total out of '350'										350
Name of the Faculty & Department		% Score for sum of all entries in 9 th column	Current (Dec 2021) Academic Preview Grade	Past (Jun 2021) Academic Preview Grade	Comment if Any from Cluster Mentor, CAO, HOD, VP and Review Committee Members					

Teacher's Name, Signature, and Date

HOD/Cluster Mentor 1 Sign

HOD/Cluster Mentor 2 Sign

CAO Sign

VP Sign

Exam related Grievances

CROU/J.No.706-1000-3-94.

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रजिस्टर्ड नं. एच०एच०/एच०-एच०एच० २०

महाराष्ट्र शासन राजपत्र

असाधारण
प्राधिकृत प्रकाशन

गुरुवार ऑक्टोबर १४, १९८२/आश्विन २२, शके १९०४

स्वतंत्र संकलन म्हणून खर्च करणाऱ्यादी या भागाच्या वेगळे पृष्ठ क्रमांक दिले आहेत

भाग चार

महाराष्ट्र विधानमंडळाचे अधिनियम व राज्यपालांनी प्रस्तावित केलेले अध्यादेश व केलेले विनियम
अनुक्रमणिका

	PAGES
MAHARASHTRA ACT No. XXXI OF 1982.—An Act to provide for preventing malpractices at University, Board and other specified examinations	221-223

The following Act of the Maharashtra Legislature, having been assented to by the President on the 11th October, 1982, is hereby published for general information.

D. N. CHAUDHARI,

Joint Secretary to the Government of Maharashtra,
Law and Judiciary Department.

MAHARASHTRA ACT NO. XXXI OF 1982

(First published, after having received the assent of the President in the "Maharashtra Government Gazette" on the 14th October, 1982)

An Act to provide for preventing malpractices at University, Board and other specified examinations.

WHEREAS, both House of the State Legislature were not in session ;

AND WHEREAS the Governor of Maharashtra was satisfied that circumstance existed which rendered it necessary for him to take immediate action to have a special law in this State to provide for preventing malpractices at examinations held or proposed to be held by any University or the Board or any other authority specified by the State Government in this behalf, including leakages of question papers or copying at such examinations, and for matters connected therewith, and, therefore, promulgated the Maharashtra Prevention of Malpractices at University, Board or other specified Examinations Ordinance, 1982, on the 25th May 1982 ;

Msh
Ord.
IV of
1982

AND WHEREAS it is expedient to replace the said Ordinance by an Act of the State Legislature ; It is hereby enacted in the Thirty-third Year of the Republic of India as follows :—

1. (1) This Act may be called the Maharashtra Prevention, of Malpractices at University, Board and other specified Examinations Act, 1982.

(2) It shall be deemed to have come into force on the 25th May, 1982.

2. In this Act, unless the context otherwise requires,—

(a) "Board" means the Maharashtra State Board of Secondary and Higher Secondary Education established under the Maharashtra Secondary and Higher Secondary Education Boards Act, 1965 or any of its Divisional Boards.

(b) "Examination" means any examination held or proposed to be held by any University or the Board and includes such other examination held or proposed to be held by such other authority as may be specified in this behalf, from time to time, by the State Government by notification in the Official Gazettee ;

(c) "University" means any University established by law in the State of Maharashtra.

3. (1) Any person who is appointed as a paper setter at any examination shall not supply or cause to be supplied the question paper drawn by him or a copy thereof or communicate the contents of such paper to any person or give publicity thereto in any manner, except in accordance with the instructions given to him in writing by his appointing authority in this behalf.

(2) Any person who contravenes the provisions of sub-section (1) shall, on conviction, be punished with imprisonment for a term which may extend to one year, or with fine which may extend to one thousand rupees, or with both.

4. (1) Any person who is entrusted with the work of printing, cyclostyling typing or otherwise producing copies of any question paper set for the purposes of any examination shall not supply or cause to be supplied a copy thereof or communicate the contents thereof to any person or give publicity thereto in any manner, except in accordance with the instructions given to him in writing by the authority which entrusted the work to him.

(2) Any person who contravenes the provision of sub-section (1) shall, on conviction, be punished with imprisonment for a term which may extend to one year, or with fine which may extend to one thousand rupees, or with both.

Short title
and
commence-
ment

Definitions

Duties of
paper-setters
and
punishment
for contra-
vention

Duties of
persons
entrusted
with
printing, etc.
of question
papers and
punishment
for contra-
vention

Mah.
XLI of
1965.

[भाग चार महाराष्ट्र शासन राजपत्र, असा., ऑक्टोबर १४, १९८२/अधिन २२, शके : १९०४ २२३]

5. (1) Any person who is entrusted with the custody, or is otherwise in possession, of any question papers set-up for the purposes of any examination shall not supply or distribute or cause to be supplied or distributed any copy thereof or communicate the contents thereof to any person or give publicity thereto in any manner, except in accordance with the instructions given to him in writing by the authority which entrusted the custody or gave possession thereof to him.

Duties of person entrusted with custody of question papers and punishment for contravention.

(2) Any person who contravenes the provisions of sub-section (1) shall, on conviction, be punished with imprisonment for a term which may extend to one year, or with fine which may extend to one thousand rupees, or with both.

6. Whoever has in his possession any question paper set or purported to be set for any examination and supplies or causes to be supplied or offers to supply a copy thereof, or communicates or offers to communicate the contents thereof, to any person, whether for any consideration or otherwise, or gives publicity thereto in any manner, except in accordance with the instructions issued in writing by an authorised officer of the University, Board or other authority concerned with the examination, at any time before the examination is held, shall, on conviction, be punished with imprisonment for a term which may extend to one year, or with fine which may extend to one thousand rupees, or with both.

Prohibition of supply or publication of any question paper before examination is held.

7. Whoever is found in or near an examination hall by the invigilator or any other person appointed to supervise the conduct of the examination, copying answers to the question paper set at the examination, from any book, notes or answer papers of other candidates, or appearing at the examination for any other candidate or using any other unfair means, shall, on conviction, be punished with imprisonment for a term which may extend to six months, or with fine which may extend to five hundred rupees, or with both.

Prohibition of copying and impersonating at examinations.

8. Whoever abets any offence punishable under this Act shall be punishable with the punishment provided for the offence.

Punishment for abetment or offences.

9. Notwithstanding anything contained in the Code of Criminal Procedure, 1973 all offences under this Act shall be cognizable offences and shall be non-bailable.

Offences to be cognizable and non-bailable.

10. Notwithstanding anything contained in the Code of Criminal Procedure, 1973, all offences under this Act shall be tried in a summary way by any Metropolitan, Magistrate or any Judicial Magistrate of the First Class and the provisions of sections 262 to 265 (both inclusive) of the said Code shall, as far as may be, apply to such trial :

Offences to be tried summarily.

Provided that in the case of conviction for any offence in a summary

trial under this section, it shall be lawful for the Magistrate to pass a sentence of imprisonment for any term for which such offence is punishable under this Act.

Mah. Ord.
IV of
1982.

11. (1) The Maharashtra Prevention of Malpractices at University Board and other specified Examinations Ordinance, 1982, is hereby repealed.

Repeal of
Mah. Ord.
IV of 1982
and saving.

(2) Notwithstanding such repeal, anything done or any action taken (including any notification issued) under the said Ordinance shall be deemed to have been done, taken or issued, as the case may be, under the corresponding provisions of this Act.

शासकीय मध्यवर्ती मुद्रणालय, मुंबई.

UNIVERSITY OF MUMBAI

ORDINANCE 5050 :

1. (a) On receipt of a report regarding use of unfair means by any student at any University examination, including breach of any of the rules laid down by the University Authorities, for proper conduct of examination, the Board of Examinations shall have power at any time to institute inquiry and to punish such unfair means or breach of the rules by exclusion of such student from any University examination or from any University course in a College or Recognised Institution or in the University Department or from any Convocation for the purpose of conferring degree either permanently or for a specified period, or by cancellation of the result of the student in the University examination for which the student appeared or by deprivation of any University Scholarship held by him/her or by cancellation of the award of any University prize or medal to him/her or by imposition of fine or in any two or more of the aforesaid ways *within a period of one year*.
 - (b) Where the examinations of the University courses are conducted by the constituent Colleges /Recognised Institutions on behalf of the University, the Principal/Head of the concerned constituent College/Institution, on receipt of a report regarding use of unfair means by any student at any such examination, including breach of any of the rules laid down by the University Authorities or by the College/Institution for proper conduct of examination, shall have power at any time to institute inquiry and to punish such unfair means or breach of any of the rules by exclusion of such a student from any such examination or any University course in any College/Institution either permanently or for a specified period or by cancellation of the result of the student in the College/Institution examination for which he/she appeared or by deprivation of any College/Institution Scholarship or by cancellation of the award of any College/Institution prize or medal to him/her or by imposition of fine or in any two or more of the aforesaid ways.
 - (c) On receipt of report regarding malpractices used or lapses committed by any paper-setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examination held by the University or Colleges or Recognised Institution including breach of the rules laid down for proper conduct of examination, the Board of Examinations, in the cases of the University examinations or the Management Body in the cases of the examinations conducted by the College/Institution on behalf of the University, as the case may be, shall have power at any time to institute inquiry and to punish such malpractices or lapses by declaring disqualified the concerned paper-setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examination from any examination work either permanently or for a specified period or by referring his/her case to the concerned authorities for taking such disciplinary action as deemed fit as per the rules provided for or in any two or more of the aforesaid ways.
2. **Competent Authority :**
- (i) The Board of Examinations of/the University constituted under the provisions of Section 31(3) shall be the competent authority to take appropriate disciplinary action against the students using, attempting to use, aiding, abetting, instigating or allowing to use unfair means at the examination conducted by the University.
 - (ii) The Principal of the constituent College or Head of the Recognised Institution shall be the competent authority to take appropriate disciplinary action against the student/s using, attempting to use, aiding, abetting, instigating or allowing to use unfair means at the examination conducted by the College or Institution on behalf of the University.
3. **Definition-Unless the context otherwise requires :**
- (a) "Student" means and includes a person who is enrolled as such by the University/College/Institution for receiving instruction qualifying for any degree, diploma or certificate awarded by the University. It includes ex-student and student registered as candidate (examinee) for any of the degree, diploma or certificate examination.
 - (b) "Unfair means" includes one or more of the following acts or omissions on the part of student/s during the examination period.
 - (i) Possessing unfair means material and or copying therefrom.
 - (ii) Transcribing any unauthorised material or any other use thereof.
 - (iii) Intimidating or using obscene language or threatening or use of violence against invigilator or person on duty for the conduct of examination or manhandling him/her or leaving the examination hall without permission of the supervisor or causing disturbances in any manner in the examination proceedings.
 - (iv) Unauthorisedly communicating with other examinees or anyone else inside or outside the examination hall.
 - (v) Mutual/Mass copying.

- (vi) Smuggling-out, either blank or written, or smuggling-in of answerbooks as copying material.
 - (vii) Smuggling-in blank or written answerbook and forging signature of the Jr. Supervisor thereon.
 - (viii) Interfering with or counterfeiting of University/College/Institution seal, or answerbooks or office stationary used in the examinations.
 - (ix) Insertion of currency notes in the answerbooks or attempting to bribe any of the persons connected with conduct of examinations.
 - (x) Impersonation at the University/College/Institution examination.
 - (xi) Revealing identity in any form in the answer written or in any other part of the answerbook by the student at the University or College or Institution examination.
 - (xii) Or any other similar act/s and/or omission/s which may be considered as unfair means by the competent authority.
- (c) "Unfair means relating to examination" means and includes directly or indirectly committing or attempting to commit or threatening to commit any act or coercion, undue influence or fraud or malpractice with a view to obtaining wrongful gain to him or to any other person or causing wrongful loss to other person/s.
- (d) "Unfair means material" means and includes any material whatsoever, related to the subject of the examination, printed, typed, handwritten or otherwise on the person or on clothes, or body of the student (examiner) or on wood or other material, in any manner or in the form of chart, diagram, map or drawing or electronic aid etc. which is not allowed in the examination hall.
- (e) "Possession of unfair means material by a student" means having any unauthorised material on his/her person or desk or chair or table or at any place within his/her reach, in the examination centre and its environs or premises at any time from the commencement of the examination till its conclusion.
- (f) "Student found in possession" means a student, reported in writing, as having been found in possession of unfair means material by Jr. Supervisor, Sr. Supervisor, member of the vigilance Committee or Examination Squad or any other person authorised for this purpose, in this behalf, even if the unfair means material is not produced as evidence because of it being reported as swallowed or destroyed or snatched away or otherwise taken away or spoiled by the student or by any other person acting on his behalf to such an extent that it has become illegible. Provided report to that effect is submitted by the Sr. Supervisor or Chief Conductor or any other authorised person to the Controller of Examinations or Principal or Head of the Institution concerned or any officer authorised in this behalf.
- (g) "Material related to the subject of examination" means and includes, if the material is produced as evidence, any material certified as related to the subject of the examination by a competent person and if the material is not produced as evidence or has become illegible for any of the reasons referred to in clause (f) above, the presumption shall be that the material did relate to the subject of the examination.
- (h) "Chief Conductor" means Principal of the College concerned or Head of the *University Department or Recognised Institution* concerned, where concerned examination is being conducted, and any other person duly authorised by him or person appointed as in-charge of examination, *by prior approval* of the University.
4. During examination, examinees and other students shall be under disciplinary control of the Chief Conductor/s.
5. **Chief Conductor/s of the Examination Centre shall, in the case of unfair means, follow the procedure as under :—**
- (i) The student shall be called upon to surrender to the Chief Conductor the unfair means material found in his or her possession, if any, and his/her answerbook.
 - (ii) Signature of the concerned student shall be obtained on the relevant materials and list thereon. Concerned Sr. Supervisor and the Chief Conductor shall also sign on all the relevant materials and documents.
 - (iii) Statement of the student and his/her undertaking in the prescribed format and statement of the concerned Jr. Supervisor and Sr. Supervisor shall be recorded in writing by the Chief Conductor (Appendix-C). If the student refuses to make statement or to give undertaking the concerned Sr. Supervisor and Chief Conductor shall record accordingly under their signatures.

- (iv) Chief Conductor shall take one or more of the following decisions depending upon seriousness/ gravity of the case :
- (a) In the case of impersonation or violence, expel the concerned student from the examination and not allow him/her to appear for remaining examination.
 - (b) Obtain undertaking from the student to the effect that decision of the concerned competent authority in his/her case shall be final and binding and allow him/her to continue with his/her examination.
 - (c) May report the case to the concerned Police Station as per the provisions of Maharashtra Act No. XXXI 1982—An Act to provide for preventing mal-practices at University; Board and other specified examinations.
 - (d) Confiscate his/her answerbook, mark it as "suspected unfair means case" and issue him/her fresh answerbook duly marked.
- (v) All the materials and list of material mentioned in sub-clause (i) and the undertaking with the statement of the student and that of the Jr. Supervisor as mentioned in clause No. (ii) and (iii) and the answerbook/s shall be forwarded by the Chief Conductor, alongwith his report, to the concerned Controller of Examinations/Principal/Head of the Institution, as the case may be, in a separate and confidential sealed envelope marked "Suspected unfair means case".
- (vi) In case of unfair means of oral type, the Jr. Supervisor and the Sr. Supervisor or concerned authorised person shall record the facts in writing and shall report the same to the concerned Controller of Examinations/Principal/Head of the Institution, as the case may be.

6. Procedure to be followed by Examiner during Assessment :

If the examiner at the time of assessment of answerbook suspects that there is a *prima-facie* evidence that the student/s whose answerbook/s the examiner is assessing appears to have resorted to unfair means in the examination, the examiner shall forward his/her report, preferably through the Chairman in the subject, alongwith the evidence, to the Controller of Examinations/Principal/Head of the Institution, as the case may be, with his/her opinion in separate confidential sealed envelope marked as "Suspected unfair means case".

7. Case of unfair means having *prima-facie*, reported to the University/College/Institution by the Chief Conductor/Jr./Sr. Supervisor and or examiners shall be inquired into by the committee appointed by the Board of Examinations/Principal/Head of the Institution, as the case may be. In the event cases of unfair means reported through any other sources, the concerned Officer/In charge of the Sub-section/Unit to which the case is primarily pertained, at the Examination Section of the University/College/Institution shall scrutinise the case, collect preliminary information to find out whether there is *prima-facie* case so as to fix up primary responsibility for framing a charge sheet and then shall submit the said case with his/her primary report to the concerned Competent Authority. If the Competent Authority is satisfied that there is a *prima-facie* case it shall place the same before the Unfair Means Inquiry Committee for further investigation. The concerned Officer of the Sub-Section/Unit through which the case has originated or the case is pertaining to, shall be the Presenting Officer of the case before the Inquiry Committees, Police Authorities and Court of Justice and shall deal with the case till it is finally disposed of.
8. Examination Result/s of the concerned student/s involved in such cases shall be held in reserve till the Competent Authority takes final decision in the matter and the concerned student/s and the College/Institution to which he/she belongs to, shall be informed accordingly.

9. Appointment of Unfair Means Inquiry Committee :

- (i) For the purpose of investigating unfair means resorted to by students at the University examination, the Board of Examinations shall appoint a Committee in terms of the provisions made under Section 32(6)(a) of the Maharashtra Universities Act 1994. The term of the Committee shall be five years subject to provisions of Section 42 and 43 of the said Act.
- (ii) For the purpose of investigating unfair means resorted to by students at the examination held by the College/Institution, the Unfair Means Inquiry Committee appointed by the College/Institution shall consist of five teachers (other than the Principal/Head) to be nominated by the Principal/Head of the Institution, one of whom shall be designated as Chairperson. The members appointed on the College/Institution Examination Committee shall not be appointed as members on the Unfair Means Inquiry Committee.
- (iii) The Unfair Means Inquiry Committee will function as a recommendatory body and submit its recommendations in the form of a report to concerned competent authority, which will issue final orders with regard to the penal action to be taken against the student/s after taking into account the reported facts and findings of the case by the Committee and after ensuring whether

reasonable opportunity has been given to the concerned implicated student in his/her defence, the principle of natural justice has been followed and the recommended quantum of punishment is in accordance with the guidelines laid down in this behalf.

10. Procedure of the Committee should be as under :

- (i) The Controller of Examinations of the University/Principal of the College or Head of the Recognised Institution, or the Officer authorised by them, as the case may be, shall inform the student concerned in writing of the act of unfair means alleged to have been committed by him/her, and shall ask him/her to show cause as to why the charge/s levelled against him/her should not be held as proved and the punishment stipulated in the show cause notice be imposed.
- (ii) The student may appear before the Inquiry Committee on a day, time and place fixed for the meeting, with written reply/explanation to the show cause notice served on him/her therein. The student himself/herself only shall present his/her case before the Committee.
- (iii) The documents that are being taken into consideration or are to be relied upon for the purpose of proving charge/s against the student should be shown to him/her by the Inquiry Committee, if the student presents himself/herself before the Committee. The evidence, if any, should be recorded in the presence of delinquent.
- (iv) Reasonable opportunity, including oral hearing, shall be given to the student in his/her defence before the Committee. The reply/explanation given by the student to the show cause notice shall be considered by the Committee before making final recommendation in the case.
- (v) The Committee should follow the above procedure in the spirit of the principle of natural justice.
- (vi) After serving a show cause notice, if the implicated student fails to appear before the Inquiry Committee on the day, time and place fixed for the meeting, the student may be given one more opportunity to appear before the Committee in his/her defence. Even after offering two chances if the student concerned fails to appear before the Committee, the Committee shall take decision in his/her case in *absentia*, on the basis of the available evidence/documents, which shall be binding on the student concerned.
- (vii) The Committee shall submit its report to the concerned competent authority alongwith its recommendations regarding punishment to be inflicted or otherwise.

11. Punishment :

The Competent Authority concerned i.e. the Board of Examinations in the cases of University examination, the concerned Principal in the cases of College examination, and the Head in the cases of examination held by the Recognised Institution, after taking into consideration the report of the Committee shall pass such orders as it deems fit including granting the student benefit of doubt, issuing warning or exonerating him/her from the charges and shall impose any one or more of the following punishments on the student/s found guilty of using unfair means :

- (a) Annulment of performance of the student in full or in part in the examination he/she has appeared for.
- (b) Debarring student from appearing for any examination of the University or College or Institution for a stipulated period not exceeding five years.
- (c) Debarring student from taking admission for any course in the University or College or Institution for a stipulated period not exceeding five years.
- (d) Cancellation of the University or College or Institution Scholarship/s or award/s or prize or medal etc. awarded to him/her in that examination.
- (e) In addition to the above mentioned punishment, the competent authority may impose a fine on the student declared guilty. If the student concerned fails to pay the fine within a stipulated period, the competent authority may impose on such a student additional punishment/penalty as it may deem fit.
- (f) As far as possible the quantum of punishment should be as prescribed (category wise) in Appendix-A.
- (g) The student concerned be informed of the punishment finally imposed on him/her in writing by the competent authority or by the Officer authorised by it in this behalf, under intimation to the College/Institution he/she belongs to.

Appendix A

12. The Broad Categories of Unfair Means Resorted to by Students at the University/College/Institution Examinations and the Quantum of Punishment for each Category thereof.

S. No.	Nature of Malpractice	Quantum of Punishment
(1)	Possession of copying material	Annulment of the performance of the student at the University/College/Institution examination in full.* (Note :— This quantum of punishment shall apply also to the following categories of malpractices at Sr. No. (2) to Sr. No. (12) in addition to the punishment prescribed thereat.
(2)	Actual copying from the copying material	Exclusion of the student from University or College or Institution examination for one additional examination.
(3)	Possession of another student's answer-book.	Exclusion of the student from University or College or Institution examination for one additional examination. (BOTH THE STUDENTS)
(4)	Possession of another student's answer-books + Actual evidence of copying therefrom.	Exclusion of the student from University or College or Institution examination for two additional examinations (BOTH THE STUDENTS).
(5)	Mutual /Mass copying.	Exclusion of the student from University or College or Institution examination for two additional examinations.
(6)	(i) Smuggling-out or smuggling-in of answerbook as copying material.	Exclusion of the student from University or College or Institution examination for two additional examinations.
	(ii) Smuggling-in of written answer-book based on the question paper set at the examination.	Exclusion of the student from University or College or Institution examination for three additional examinations.
	(iii) Smuggling-in of written answer-book and forging signature of the Jr. Supervisor thereon.	Exclusion of the student from University or College or Institution examination for four additional examinations.
(7)	Attempt to forge the signature of the Jr. Supervisor on the answerbook or supplement.	Exclusion of the student from University or College or Institution examination for four additional examinations.
(8)	Interfering with or counterfeiting of University/College/Institution seal, or answerbooks or office stationery used in the examinations.	Exclusion of the student from University or College or Institution examination for four additional examinations.
(9)	Answerbook, main or supplement written outside the examination hall or any other insertion in answerbook.	Exclusion of the student from University or College or Institution examination for four additional examinations.
(10)	Insertion of currency notes/to bribe or attempting to bribe any of the persons connected with the conduct of examinations.	Exclusion of the student from University of College or Institution examination for four additional examinations. (Note :—This money shall be credited to the Vice-Chancellor's Fund)
(11)	Using obscence language/violence threat at the examination centre by a student at the University/College/Institution examination to Jr./Sr. Supervisors/Chief Conductor or Examiners.	Exclusion of the student from University or College or Institution examination for four additional examinations.
(12)	(a) Impersonation at the University/ College/Institution examination.	Exclusion of the student from University or College or Institution examination for five additional examinations. (both the students if impersonator is University or College or Institute student).
	(b) Impersonation by a University/College/ Institute student at S.S.C./H.S.C. any other examinations.	Exclusion of the impersonator from University or College or Institution examination for five additional examinations.

- (13) Revealing identity in any form in the answer written or in any other part of the answerbook by the student at the University or College or Institution examination. Annulment of the performance of the Student at the University or College or Institution examination in full.
- (14) Found having written on palms or on the body, or on the clothes while in the examination. Annulment of the performance of the student at the University or College or Institution examination in full.
- (15) All other malpractices not covered in the aforesaid categories. Annulment of the performance of the student at the University or College or Institution examination in full, and severe punishment depending upon the gravity of the offence.

16. If on previous occasion a disciplinary action was taken against a student for malpractice used at examination and he/she is caught again for malpractices used at the examinations, in this event he/she shall be dealt with severely. Enhanced punishment can be imposed on such students. This enhanced punishment may extend to double the punishment provided for the offence, when committed at the second or subsequent examination.

17. Practical/Dissertation/Project report Examination.

Student involved in malpractices at Practical/Dissertation/Project report examinations shall be dealt with as per the punishment provided for the theory examination.

18. The Competent Authority, in addition to the above mentioned punishments, may impose a fine on the student declared guilty.

*(Note : The term "Annulment of Performance in full" includes performance of the student at the theory as well as Annual Practical examination, but does not include performance at term work, project work with its term work, oral or practical and dissertation examinations unless malpractice used threat).

13. **Malpractices used or Lapses Committed by any Paper-Setters, Examiners, Moderators, Referees, Teachers or any other persons connected with the Conduct of Examination.**

(I) **Competent Authority :**

- (a) The Board of Examinations shall be the competent authority to take appropriate disciplinary action against the paper-setters, examiners, moderators, referees, teachers or any other persons connected with the conduct of examinations committing lapses or using, attempting to use, aiding, abetting, instigating or allowing to use malpractice/s at the examinations conducted by the University.
- (b) The Management (includes the Trustees, Managing Body or Governing Body) of the constituent affiliated/conducted college or Recognised Institution shall be the competent authority to take appropriate disciplinary action against the paper-setters, examiners, moderators, referees, teachers or any other persons connected with the conduct of examinations committing lapses or using, attempting to use, aiding, abetting, instigating or allowing to use malpractice/s at the examination conducted by the constituent affiliated/conducted colleges' or Recognised Institution on behalf of the University.

(II) **Definition—Unless the Context Otherwise Requires :**

- (a) "Paper-setter, examiner, moderator, referee and teacher" means and includes person/s duly appointed as such for the examination by the competent authority and the term "any other person connected with the conduct of examination" means and includes person/s appointed on examination duty by the competent authority.
- (b) Malpractice/lapses includes one or more of the following acts or omissions on the part of the person/s included in (a) relating to the examination :—
- (i) Leakage of question/s or question paper set at the University/College/Institution examination before the time of examination.
- (ii) Examiner/Moderator intentionally awarding marks to student in assessment of answerbooks, dissertation or project work to which the student is not entitled or not assigning marks to the student to which the student is entitled.

- (iii) Paper-setter omitting questions, Sr. no. of question, repeating question or setting question outside the scope of syllabus.
 - (iv) Examiner/referee showing negligence in detecting malpractice used by student/s.
 - (v) Jr. Supervisor, Sr. Supervisor, Chief Conductor showing negligence/apathy in carrying out duties or aiding/abetting/allowing/instigating students to use malpractice/s.
 - (vi) Or any other similar act/s and or omission/s which may be considered as malpractices or lapses by the competent authority.
- (c) "Malpractice or lapse relating to examination" means and includes directly or indirectly committing or attempting to commit or threatening to commit any act of unfair means, fraud or undue influence with a view to obtaining wrongful gain to him/her or to any other person or causing wrongful loss to other person/s or omitting to do what he/she is bound to do as duties.
- (d) 'College', means conducted, constituent or affiliated college or recognised institution of a University.

(III) Investigating Committee :

- (i) The Committee appointed by the Board of Examinations under the provisions of Section 32(6)(a), 42 and 43 of the Maharashtra Universities Act 1994, to investigate unfair means resorted to by student/s at the University examinations shall also investigate the cases of malpractices used and/or lapses committed by the paper-setters, examiners, moderators, referees, teachers or any other persons connected with the conduct of examinations at the University examinations.
- (ii) Similarly, a Committee appointed by the College or Institution to investigate unfair means resorted to by student at the concerned examinations shall also investigate malpractices/lapses on the part of paper-setters, examiners, moderators, referees, teachers or any other persons connected with the conduct of examinations conducted by the affiliated/conducted College or institution on behalf of the University.

(IV) Procedure for Investigation :

- (i) The cases of alleged used of unfair means or lapses committed by the paper-setters, examiners, moderators, referees, teachers or any other persons connected with the conduct examinations, reported to the University/College/Institution shall be scrutinized by the concerned Officer/Incharge of the Sub-Section/Unit to which the case is primarily pertained at the Examination Section of the University/College/Institution, collect preliminary information to find out whether there is prima-facie case so as to fix up primary responsibility for framing a charge-sheet and then shall submit the said case with his primary report to the concerned competent authority. If the competent authority is satisfied that there is a prima-facie case, it shall place the same before the Unfair Means Inquiry Committee for further investigation. The concerned Officer of the Sub-Section/Unit through which, the case has originated or the case is pertaining to, shall be the Presenting Officer of the case before the Inquiry Committee, Police Authorities and Court of Justice and shall deal with the case till it is finally disposed of.
- (ii) The Competent Authority of the Officer authorised by it in this behalf, shall inform the implicated person (paper-setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examination) in writing of the act of malpractices used and or lapses or committed by him/her at the examination and shall ask him/her to show cause as to why the charge/s levelled against him/her should not be held as proved and the punishment stipulated in the Show Cause Notice be imposed.
- (iii) The concerned person be asked to appear before the Inquiry Committee on a day, time and place fixed for meeting, with written reply/explanation to the show cause notice served on him/her and charge levelled against him/her therein. The concerned person himself/herself only shall present his/her case before the Committee.
- (iv) The documents that are being taken into consideration or to be relied upon for the purpose of proving charge/s against the concerned person shall be shown to him/her by the Inquiry Committee if he/she presents himself/herself before the committee. The evidence, if any, should be recorded in presence of the delinquent.
- (v) Reasonable opportunity, including oral hearing, shall be given to the concerned person in his/her defence before the Committee. The reply/explanation given to the show cause notice shall also be considered by the Committee before making final report/recommendation.
- (vi) The Committee should follow the above procedure in the spirit of principle of natural justice.

- (vii) If the concerned person fails to appear before the committee on the day, time and place fixed for the meeting, he/she be given one more opportunity to appear before the committee in his/her defence. Even after offering two chances, if the concerned person fails to appear before the committee, the committee shall take decision in his/her case in his/her absentia on the basis of whatever evidences/documents which are available before it and same shall be binding on the concerned implicated person.
- (viii) The committee shall submit its report to the concerned competent authority alongwith its recommendations regarding punishment to be inflicted on the concerned person or otherwise.

(V) Punishment :

The competent authority, after taking into consideration the report of the committee, shall pass such orders as it deems fit including granting the implicated person benefit of doubt, issuing warning or exonerating him/her from the charge/s and shall impose any one or more of the following punishments on the implicated person found guilty of using malpractice/s or committing lapses at the examination :—

- (i) Declaring disqualified the concerned paper-setter, examiner, moderator, referee, teacher or any other person connected with the conduct of examination, from any examination work either permanently or for a specified period.
- (ii) Imposing fine. If the concerned person fails to pay the fine within a stipulated period, the Competent Authority may impose on such a person additional punishment/penalty as it may deem fit.
- (iii) Referring his/her case to the concerned disciplinary authorities for taking such disciplinary action as deemed fit as per the rules governing his/her service conditions.
- (iv) The competent authority or the Officer authorised in this behalf, shall inform the concerned person of the decision taken in his/her case and the punishments imposed on him/her.
- (v) An appeal made within 30 days of imposition of the punishment, other than the punishment referred to in clause No. (iii) above, shall lie with the Board of Examinations if the case is pertaining to the University examination or with the Management of the College or Institution, if the case pertaining to the college/institutions examination and their decision in the appeal shall be final and binding.
- (vi) The Competent Authority shall supply a typed copy of the relevant extract of fact-finding report of the Inquiry Committee, as well as the documents relied upon (if not strictly confidential), pertaining to his/her case to the appellant/petitioner, if applied for in writing.
- (vii) The court matters in respective cases of malpractices/lapses should be dealt with by the respective competent authority.
- (viii) As far as possible the quantum of punishment should be prescribed category-wise as hereunder :—
14. **Action for Malpractices and lapses on the part of the Paper-Setter, Examiner, Moderator, Referee, Teacher or any another person connected with the Conduct of University/College/Institution Examination/s.**

Appendix B

S. No.	Nature of Malpractices/Lapses	Punishment
(1)	Paper-setter found responsible for leakage of the question set in the University/College/Institution examination/s whether intentionally or due to the negligence before the time of examination.	Disqualification from any examination work + disciplinary action by concerned authorities as per the rules applicable.
(2)	Leakage of question/question paper set in the University/College/Institution examination before the time of examination at the University/College/Institution, or examination centre by any person/s connected with the conduct of the examination.	Disciplinary action against the guilty/responsible person/s as per the prevailing rules/standard code by the concerned authorities.
(3)	Favouring a student (examinee) by examiner, moderator, referee in assessment of answerbooks/dissertation/Project Report/Thesis by assigning the student marks to which the student is not entitled, at the University/College/Institution examination.	Disqualification from any examination work + disciplinary action by the concerned authorities.

- (4) Examiner/Moderator/referee intentionally/negligently not assigning the student in assessment of his/her answer-books/dissertation/project work, the marks to which the student is entitled to at the University/College/Institution examinations. Disqualification from any examination work + disciplinary action by the concerned authorities.
- (5) Paper-setter omitting question at the time of finalisation of question paper set at examination or repeating Sr. No. of question while writing. Disqualification from any examination work for a period of three years.
- (6) Paper-setter setting questions outside the scope of the syllabus. Disqualification from any examination work for a period of three years.
- (7) While assessing answerbook examiner showing negligence in detecting malpractices used by the student/s. As decided by the authorities of the University/College/Institution.
- (8) Guiding Teacher showing negligence in supervision of dissertation/project work (e.g. use of manipulated data by a student) As decided by the authorities of the University/College/Institution.
- (9) Sr. Supervisor/Chief Conductor showing apathy in carrying out duties related to examination (e.g. not taking rounds to the examination hall at Examination Centre during examination period or opening the packet of question paper before prescribed time) As decided by the authorities of the University/College/Institution.
- (10) Jr. Supervisor helping student in copying answers while in the examination or showing negligence in reporting cases of copying answers by students when on supervision duty. Disqualification from any examination work upto a period of three years + disciplinary action by the concerned authorities as per the rule if he/she is a University/College/Institution employee.
- (11) Jr. Supervisor helping student (examinee) in mass-copying while on examination duty. Permanent disqualification from any examination work + disciplinary action by the concerned authorities as per the rule if he/she is a University/College/Institution employee.
- (12) The competent authority, in addition to the above mentioned punishment, may impose a fine on the concerned person if declared guilty.
- (13) The competent authority may report the case of the concerned implicated person to the appropriate Police Authorities as per the provision of the Maharashtra Act No. XXXI of 1982.

UNIVERSITY OF MUMBAI

Statement of candidate who is alleged to have used Unfair-Means at the University Examination

Name in Full : _____

Address : _____

Examination : _____

Paper No. & Subject : _____

Seat No. : _____

To,

The Controller of Examinations,
 University of Mumbai,
 M. J. Phule Bhavan,
 Vidyanagari,
 Santacruz (East),
 Mumbai—400 098.

Sir,

I appeared at the above examination held on _____ at the

_____ College
 (Centre) in the Morning/Evening session.

I give below my statement as follows :—

Place :

Date :

Time :

 Signature of the Candidate

FORM OF UNDERTAKING

Full Name of the Candidate : _____

Permanent/Local Address : _____

To,

The Controller of Examinations,
University of Mumbai,
M. J. Phule Bhavan,
Vidyanagari,
Santacruz (East),
Mumbai--400 098.

Sir,

I, the undersigned, student of _____ College/Institution
appearing for _____ Examination at the
_____ College (Centre) do hereby state, on solemn affirmation as under :—

I understand that I am involved in respect of an alleged use of Unfair Means in the Examination Hall and therefore, a case against me is being reported to the University.

That inspite of the registration of a case of Unfair Means against me I request the University authorities to allow me to appear in the present paper and the papers to be set subsequently and/or at the University Examination to be held hereafter.

In case my request is granted, I do hereby agree that my appearance in the examination will be provisional and subject to the decision of the University authorities in the matter of disposal of the case of alleged use of Unfair Means referred to above.

I also hereby agree that in the event of myself being found guilty at the time of investigation the said case, my performance at the examination to which I have been permitted to apply provisionally, consequent upon my special request, is liable to be treated as *null and void*.

I witness whereof I set my hand to this undertaking.

Signature of the Candidate

Before me

Date : _____

Chief Coductor of the Centre,
and Rubber Stamp of the College/Institution/University.

Date : _____

UNIVERSITY OF MUMBAI

Report of the Jr. Supervisor/Sr. Supervisor/Chief Conductor

Block No. :

Examination :

Subject :

Date :

To,

The Controller of Examinations,
University of Mumbai,
M. J. Phule Bhavan,
Vidyanagari,
Santacruz (East),
Mumbai—400 098.

Sir,

I, the undersigned Jr. Supervisor appointed on the above-mentioned Block at the _____ examination held at _____ college (centre), am hereby making report against Candidate No. _____ Shri /Kum. _____ at the examinations.

as follows :—

Yours faithfully,

(Jr. Supervisor)

Date :

Time :

Name and Address of the Junior Supervisor

On the basis of the report made by the Jr. Supervisor, I am of the opinion that there is a *prima facie* case of Unfair Means resorted to by the aforesaid Candidate No. _____ and therefore the case be forwarded to the University for investigation.

Signature of Sr. Supervisor

Name :

Date :

Forwarded to the Controller of Examinations, University of University of Mumbai, M. J. Phule Bhavan, Examination Section, Vidyanagari, Santacruz (East), Mumbai—400 098 for necessary action.

Seal of the College/Institute/University (centre)

Place : _____

Date : _____

Encl. : _____

Signature of Chief Conductor

(N.B. : Kindly enclose a copy of the relevant question paper)

PROFORMA 'A'

To,
The Inspector/Sub-Inspector,
_____ Police Station,

Sub : Complaint against the student for the alleged use of Unfair Means at the _____
_____ examination held in the _____

Sir,

On behalf of the University of _____, the _____
Examination held in the First Half/Second Half of 20 _____ is conducted in the premises of the _____
_____ College/Institute/University, I have been authorised by the University of _____
_____ vide letter No. _____ dated _____
addressed to the Principal by _____, to take action under the provisions of
Maharashtra Act. XXXI of 1982 an Act to provide for preventing malpractices at University, Board and other
specified examination.

I furnish herewith the details of the following student/s who has/have used Unfair Means at the _____
_____ examination.

1. Name of the Student :
2. Examination Seat No. :
3. Name of the College through
which he/she appeared for the
examination. :
4. Name of the Subject, :
Date and Time :
5. Name of the Jr. Supervisor :
6. Name of the Sr. Supervisor :
who detected the case
7. Material found with the :
Candidate
8. Other Information if any in :
connection with the case

According to Section '7' of the Maharashtra Act XXXI of 1982—An Act to provide preventing malpractices
at University/Board and other specified examinations, Shri/Kumari/Smt. _____
has committed the offence at _____ examination and therefore I lodge a
complaint against him/her with the Police Station (_____).
Name of the Police Station

Yours faithfully,

Chief Conductor

Place : _____

Date : _____

Name of the Centre _____

PROFORMA 'B'

Proforma for submission of the information regarding prosecution of Candidates appeared at the Centre

Centre No.	Examination	Name and Seat No. of the Candidate prosecuted	Date of Prosecution	Report of which the candidate was found malpractising and nature of malpractice in brief	Name of the Person who detected the malpractice	Signature of the Jr. Supervisor	Signature of the Sr. Supervisor	Signature of the Chief Conductor	Remarks
1	2	3	4	5	6	7	8	9	10

Unfair means report

UNFAIR MEANS COMMITTEE-REPORT

To,
The Principal,
VSIT.

Date :14-05-2022

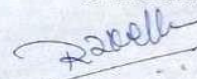
Subject: Unfair Means cases brought before the Committee and Decisions taken thereof (First Year May 2022 Exam)

We have conducted enquiries with respect to the evidences / documents available with us and subsequent meeting with the students and/or parents for the suspected unfair means case-wise. We are unanimously recommending the following:

Sr. No	Name of candidate	Class & Sem	Roll no.	Subject	Type Of Unfair Means	Decision taken
1.	Himanshu Rajemahadik	FYBMS – II	21301A0041	Business Environment	Copying from chit	Null & Void in Business Environment Paper Only
2.	Priyank Manakatla	FYBMS – II	21301F0017	Foundation Course	Copying from mobile	Null & Void in Foundation Course Paper Only
3.	Aniket Gupta	FYBSc.IT - II	21302B0053	Microprocessor Architecture	Talking to others	Benefit of Doubt, Paper to be checked
4.	Mohammed Ismail	FYBSc.IT - II	21302D0036	Microprocessor Architecture	Copying from chit	Null & Void in Microprocessor Architecture Paper Only
5.	Saniya Satarkar	FYBMS – II	21301A0029	Foundation Course	Carrying chit of BC in Pouch	Null & Void in Foundation Course Paper Only
6.	Rushikesh Khanvilkar	FYBSc.DS - II	21315A0062	Database Management	Talking to others	Benefit of Doubt, Paper to be checked
7.	Shekhar Sharma	FYBSc.DS - II	21315A0021	Database Management	Copying from chit	Null & Void in Database Management Paper Only
8.	Utsav Khambhati	FYBAF-II	21305C0043	Business Communication	MCQ Options Written on Hand	Benefit of Doubt, Paper to be checked
9.	Mohammed Amaan	FYBSc.IT - II	21302B0043	Object Oriented Programming	Copying from chit	Null & Void in Object Oriented Programming Paper Only
10.	Priyanshu Kori	FYBAF-II	21305B0012	Financial Accounting II	Carrying mobile	Benefit of Doubt, Paper to be checked

11.	Samruddhi Kalamkar	FYBMS – II	21301B0010	Business Maths	Formula written on Scale	Benefit of Doubt, Paper to be checked
12.	Piyush Yadav	FYBMS – II	21302B0028	Industrial Law	Passed Answersheet	Benefit of Doubt, Paper to be checked
13.	Riya Singh	FYBMS – II	21301B0031	Industrial Law	Passed Answersheet	Benefit of Doubt, Paper to be checked
14.	Rutvik Nikalje	BScIT-II	21302C0024	Numerical Statistical Methods	Copying from chit	Null & Void in Numerical Statistical Methods paper Only

CHAIRPERSON



UNFAIR MEANS COMMITTEE.

Write an assembly language program to find the 2's complement of the number stored at memory location 4200H and store the complemented number at memory location 4300H.


Address	Hex Code	Instruction	Comments
4200H	33	LDA	4200H
4201H	6D	COM	
4202H	42	STA	4300H
4203H	76	HLT	

Write comment before execution:
 (A) = 00H (B) = 00H (C) = 00H (D) = 00H
 (E) = 00H (F) = 00H (H) = 00H (I) = 00H
 (SPO) = 00H (SP) = 00H (PC) = 00H (CPSR) = 00H

Write comment after execution:
 (A) = 00H (B) = 00H (C) = 00H (D) = 00H
 (E) = 00H (F) = 00H (H) = 00H (I) = 00H
 (SPO) = 00H (SP) = 00H (PC) = 00H (CPSR) = 00H

Supplement

on behalf of
University of Mumbai)

Year : SY / TY	Semester D	Seat No. : D0061
Candidate's Signature :		
Section : D Supplements		
Junior Supervisor's full signature with date : <i>[Signature]</i>		

UNIVERSITY OF MUMBAI
 F.Y.B.Sc. INFORMATION TECHNOLOGY (Semester II) (Practical) EXAMINATION
 FIRST HALF 2022
MICROPROCESSOR ARCHITECTURE
 Roll No: D0061 Max Marks: 50

1. ✓	Write an assembly language program to find the 2's complement of the number stored at memory location 4200H and store the complemented number at memory location 4300H	15
2. ²⁰ ₁₀	Calculate the sum of series of numbers. The length of the series is in memory location 7200H and the series begins from memory location 7201H. Consider the sum to be 16-bit number. Store the sum at memory locations 7300H and 7301H	15
3.	Viva	10
4.	Journal Submission	10

0003	2F	CMR	Before Data.
0004	3C	INRA	EXUCATION
0005	32	STAN300H	
0006	00		
0007	43		
0008	76	HLT	Used the Data.

Before the execution

A = 00H
B = 00H
SP = 00H

BP = 00H

C = 00H

D = 00H

D = 00H

After the execution

A = [00H]

B = [00H]

C = [00H]

P = [00H]

D = [00H]

0000 = 34

CMA

INRA

0001	0002	0003	0004	0005
0	0	0	0	0

007)

000A	78	MOVAB	Move the Data from B to A
000B	32	STA 400H	Store the data to Address C35
000C	00		
000D	40		
000E	76	HLT	Stop the Execution

→ Write the content Before Execution

A = 00H	B = (0H)	C = 0H	D = (0H)
B = 00H	F = (0H)	H = 0H	L = (00H)
SP = 00H	4300 = (B0H)		
200H = SBH	4300 = 32H		
0			
0			

Write the content after Execution

A = (0H)	B = (00H)	D = (00H)
E = (32H)	F = (00H)	L = (00H)
SP = 0000	PC = 006	
0000 = (SPH)	4000 = 32H	

S	2	-	AC	-	P	-	CY
0	0	0	0	0	0	0	0

Vidyalankar School of Information Technology
Wadala(E)

UNDERTAKING FROM CANDIDATE
(Unfair Means)

Full Name of the Candidate: PARAL JHAZK
Sem. : II.....Course : IT..... Roll No. : A.61
Permanent / Local Address: Mohana, Vengalwar
.....
.....

To,
The Principal,
Vidyalankar School of Information Technology

I, the undersigned, student Paral..... appearing for..... IT.....
examination held in the month of Jan.. Year 2023.. do hereby state as
under:

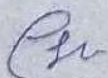
I understand that I am involved in respect of an illegal use of Unfair Means in the
Examination Hall and therefore, being reported to the College authorities/ University.

That in spite of the registration of a case of Unfair Means against me I request the
authorities to allow me to Appear in the present paper and the papers to be set
subsequently and / or at the University Examination to be hereafter.

In case the request is granted, I do hereby agree that my **appearance** in the
examination will be **provisional** and subject to the decision of the authorities in the
matter of disposal of the case of alleged use of Unfair Means referred to above.

I hereby agree that in the event of myself being found guilty at the time of
investigation of the said case, my performance at the examination to which I have
been permitted to appear provisionally, consequent upon my special request is to be
treated as **null and void** .

In witness whereof I set my hand to this undertaking.


.....
Signature of the candidate
Date & Time :

Before

.....
Chief conductor of the Examination, Rubber Stamp of the college.

Vidyalankar School of Information Technology
Wadala(E)

STATEMENT OF CANDIDATE
(Unfair Means)

Name in Full : FAZA SHAFIQ
Address : malung King Circle Mumb.
Examination : practical Month: 2022 Course: IT Sem: II
Paper No. & Subject : M.A.
Seat No. / Roll No. : 0130200067

To,
The Principal
Vidyalankar School of Information Technology
Wadala (E)

Sir,
I, appeared at the above examination held onApril..... in the
Morning/ Evening session.

I give below my statement as follows: - I Bought the
Cheat But Not copied I am
So Sorry For that Apouorit.

Place & Date : 27/6/2022

Time : 2:00 P.M.

(F)
Signature of Candidate

Vidyalankar School of Information Technology
Wadala(E)

Report of Jr. Supervisor
(Unfair Means)

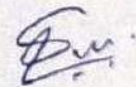
Block No.: X-115
Course: BSIT Sem: 2
Subject: M.A. Practical
Date: 27-4-2022

To,
The Controller of Examinations
Vidyalankar School of Information Technology
Wadala(E)
Mumbai - 400 037

Sir,

I, the undersigned, Jr. Supervisor appointed on the above mentioned Block at the
Practical examination held on 27/4/22, am hereby making report against
Candidate No. 213020061 Shri / Kum. Fazal Shaikh at
the examination as follows :- Student was caught
copying from ~~his~~ cheat kept below
his answer sheet.

Yours faithfully



(Jr. Supervisor)

Date: 27/4/22

Time: 12:25

Name & Address of the Junior Supervisor

Laxmikant A. M.

VSIT - Mumbai - 37.

Practical - 2	Address
Lx1 H	Adv B, 0011
Mov A, 1)	Lx1 H, 4431
INX H	Mov A, M
Adv M	INX H
INX H	Adv M
Mov M, A	INL SKJP
HLT	INR B
	SKJP INR
	Mov M, A
	INX H
	Mov M, B
	HLT

Vidyalankar School of Information Technology
Wadala(E)

**UNDERTAKING FROM CANDIDATE
(Unfair Means)**

Name of the Candidate: Pratik V. Korgaonkar
 Sem: II Course: M.A. Roll No.: 212021602 E
 Permanent / Local Address: 304/A, Shyam Zafalya
near abhoday bank,
Kurla (E), Mumbai - 24

To,
 The Principal,
 Vidyalankar School of Information Technology

I, the undersigned, student Pratik appearing for M.A practical
 examination held in the month of April Year 2022 do hereby state as
 under:

I understand that I am involved in respect of an illegal use of Unfair Means in the
 Examination Hall and therefore, being reported to the College authorities/ University.

That in spite of the registration of a case of Unfair Means against me I request the
 authorities to allow me to Appear in the present paper and the papers to be set
 subsequently and / or at the University Examination to be hereafter.

In case the request is granted, I do hereby agree that my **appearance** in the
 examination will be **provisional** and subject to the decision of the authorities in the
 matter of disposal of the case of alleged use of Unfair Means referred to above.

I hereby agree that in the event of myself being found guilty at the time of
 investigation of the said case, my performance at the examination to which I have
 been permitted to appear provisionally, consequent upon my special request is to be
 treated as **null and void**.

In witness whereof I set my hand to this undertaking.

Pratik
 Signature of the candidate
 Date & Time :

Before

.....
 Chief conductor of the Examination, Rubber Stamp of the college.

Vidyalankar School of Information Technology
Wadala(E)

STATEMENT OF CANDIDATE
(Unfair Means)

Name in Full : Pratik Vday Korgaonkar
Address : 304/A; Shram Sajalya; near abhoday bank; kurla (E)-21
Examination : Practical Month: April Course: IT Sem: II
Paper No. & Subject : M.A. practical
Seat No. / Roll No. : 213020025

To,
The Principal
Vidyalankar School of Information Technology
Wadala (E)

Sir,
I, appeared at the above examination held on 26/4/22 in the
Morning/ ~~Evening~~ session.

I give below my statement as follows: - I was not able to
attend M.A practicals because of my other studies.
I was caught copying in M.A practical on 26/4/22.
I know its a unfair mean & I appologize for my
mistake. I hope the authorities forgve me. I will not
try any unfair mean from now.

Place & Date : 26/4/22 X-115

Time : 9:50

Signature of Candidate

Vidyalankar School of Information Technology
Wadala(E)

Report of Jr. Supervisor
(Unfair Means)

Block No.: X-115
Course: BSc IT Sem: 2
Subject: Microprocessors Archi
Date: 26/4/22

To,
The Controller of Examinations
Vidyalankar School of Information Technology
Wadala(E)
Mumbai - 400 037

Sir,

I, the undersigned, Jr. Supervisor appointed on the above mentioned Block at the
Practical examination held on 26/4/22, am hereby making report against
Candidate No. 2130210025 Shri / Kum. Pratic Korgaonkar at
the examination as follows :- Student was caught
copying from cheat kept in compass box.

Yours faithfully



(Jr. Supervisor)

Date: 26/4/22

Time: 9:50 am

Name & Address of the Junior Supervisor

Laxmikant A. Manchekar
VSTT Mumbai - 37.

Vidyalankar School of Information Technology
Wadala(E)

UNDERTAKING FROM CANDIDATE
(Unfair Means)

Full Name of the Candidate: ..Vishvanth Mestri.....
Sem. : ...FY..... Course : ..BSc.IT..... Roll No. : ..213020004
Permanent / Local Address: ..off. G/104, Dev. Dastanar...
..Old Nagendra Road, Andheri
..East, Mumbai - 69,.....

To,

The Principal,
Vidyalankar School of Information Technology

I, the undersigned, student ..of Bscit..... appearing for... 2nd Sem...
examination held in the month of March... Year ..2022..... do hereby state as
under:

I understand that I am involved in respect of an illegal use of Unfair Means in the
Examination Hall and therefore, being reported to the College authorities/ University.

That in spite of the registration of a case of Unfair Means against me I request the
authorities to allow me to Appear in the present paper and the papers to be set
subsequently and / or at the University Examination to be hereafter.

In case the request is granted, I do hereby agree that my **appearance** in the
examination will be **provisional** and subject to the decision of the authorities in the
matter of disposal of the case of alleged use of Unfair Means referred to above.

I hereby agree that in the event of myself being found guilty at the time of
investigation of the said case, my performance at the examination to which I have
been permitted to appear provisionally, consequent upon my special request is to be
treated as **null and void** .

In witness whereof I set my hand to this undertaking.

.....
Signature of the candidate
Date & Time : 25 / 3 / 22

Before

.....
Chief conductor of the Examination, Rubber Stamp of the college.

Vidyalankar School of Information Technology
Wadala(E)

STATEMENT OF CANDIDATE
(Unfair Means)

Name in Full : Vibhanshu Mishra
Address : C/102, Devdarsham, Old Nagardas Road, Andheri
Examination : _____ Month: March Course: BSc IT Sem: 2
Paper No. & Subject : Green Computing
Seat No. / Roll No. : 2130200011

To,
The Principal
Vidyalankar School of Information Technology
Wadala (E)

Sir,
I, appeared at the above examination held on ...25/3/22..... in the
Morning/ ~~Evening~~ session.

I give below my statement as follows: - I scribbled on the
Question paper and got passed in front of me.

Place & Date :25/3/22.....

Time :10.50 am.....

Mishra
Signature of Candidate

Vidyalankar School of Information Technology
Wadala(E)

Report of Jr. Supervisor
(Unfair Means)

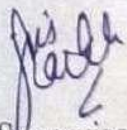
Block No.: 08 - Room X-014
Course: BScIT Sem: 2
Subject: Green Chemistry
Date: 25/3/22

To,
The Controller of Examinations
Vidyalankar School of Information Technology
Wadala(E)
Mumbai - 400 037

Sir,

I, the undersigned, Jr. Supervisor appointed on the above mentioned Block at the
FY Mid Term examination held on 25/03/22, am hereby making report against
Candidate No. 21302DC011 Shri / Kum. Vibhanshu Mustri at
the examination as follows: - He had written answer on question paper and passed it to his friend Sahel Singh Isler seated in front of him to copy.

Yours faithfully

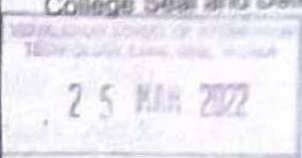

(Jr. Supervisor)

Date: 25/03/22
Time: 11.20 am

Name & Address of the Junior Supervisor

Sabir M Shaikh
Green Avenue
MH School Road
Mira Road

on behalf of
(University of Mumbai)

Month & Year of Examination	Year : FY / SY / TY	Semester	Seat No. : 213020C011
26/3/22	FY	2	Candidate's Signature : <i>[Signature]</i>
Subject : GC (Green Computing)			College Seal and Date :  25 MAR 2022
Date : 25/03/22 D D M M Y Y	Total No. of Supplements Attached = 1+1=2	Section : D	
Junior Supervisor's full signature with date : <i>[Signature]</i>			

Q1.]

Ans) RoHS (Restriction of Hazardous Substance) ~~make~~ amendment tries to restrict the following substances from ~~using~~ in products :-

- i) Lead
- ii) Mercury
- iii) Cadmium
- iv) Hexavalent chromium
- v) Poly brominized biphenyl
- vi) Polybrominized diphenyl

~~It~~ It only allows ~~0.01%~~ of the to use these substance if they are 0.01% of the total weight of the given product

ii.) Next step is to set a baseline for the data. It can be ~~found~~ found on the internet. We can set the baseling according to the other cafe's carbon footprint footprint.


iii.) Then we ~~write~~ tabulate the readings, readings can be ~~collected~~ collected over a span of week to year depending on the required timespan. Then analyze the data using online carbon footprint calculator such as ICICI carbon footprint calculator.

iv.) Get the reports ready and submit it to the Red label stakeholders.

Q2)

- Ans) i.) There are multiple methods to minimize the power usage in the St. John & St. John organization such as ~~EEI~~ Fluorescent, CFL
- ii.) Old lighting solutions such as ~~EEI~~ Fluorescent, CFL bulbs consume more power. By upgrading the lighting system to LED one we can drastically ~~save~~ minimize power usage.
- iii.) We could Monitor power. It helps to keep a track of the power usage thus more accurately ~~implying~~ implying the solutions.
- iv.) We could generate our own power using renewable sources such as wind and ~~water~~ sun. Installing wind turbines and solar ~~cell~~ cells will reduce the electricity bill significantly. If we make more ~~power~~ power than needed we can sell it back to the electricity ~~compu~~ company, making us a profit.
- v.) We can implement strict rules regarding the use of ~~appliances~~ appliances like switching off when not in use or, using the night power mode, etc
- vi.) To make Purchase of star rated energy saving appliances we can save some money in the long run.

on behalf of
(University of Mumbai)

Month & Year of Examination	Year: FY/SY/TY	Semester	Seat No.: 21302D0011
25/3/22	FY	2	Candidate's Signature: <i>[Signature]</i>
Subject: GC (Green Computing)			College Seal and Date: 
Date: 25/03/22	Total No. of Supplements Attached = 1+1 = 2	Section: D	
Junior Supervisor's full signature with date: <i>[Signature]</i> 25/3/22			

Ans b)	MAID	RAID
i.)	MAID stands for "Massive array of Idle disk."	RAID RAID stands for "Redundant array of Independent disk."
ii.)	Data is stored in a single drive as one unit	Data is stored in multiple drive in parts.
iii.)	It consumes less power as the single disk gets power on while reading the data	It consumes more power as the all the disk gets power on while reading the data.
iv.)	It is easy to maintain	It is diff harder to maintain
v.)	It costs less as we don't need more more disk handling the data transfer.	It cost more than MAID
vi.)	Its easy to swapp offline drive	Its difficult to swapp disk
vii.)	It is easy to upgrade	It is diff hard to upgrade
viii.)	We get more storage for a particular cost	We get less storage at same cost

Vidyalankar School of Information Technology
Wadala(E)

UNDERTAKING FROM CANDIDATE
(Unfair Means)

Full Name of the Candidate: Sahab Singh Jishi
Sem. : II..... Course : B.Sc (I.T.).. Roll No. : 213020001
Permanent / Local Address: 114/29, Mulund Colony
Mulund (West), Mumbai
40002

To,
The Principal,
Vidyalankar School of Information Technology

I, the undersigned, student of B.Sc (I.T.) appearing for I sem
examination held in the month of March.. Year 2022..... do hereby state as
under:

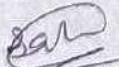
I understand that I am involved in respect of an illegal use of Unfair Means in the
Examination Hall and therefore, being reported to the College authorities/ University.

That in spite of the registration of a case of Unfair Means against me I request the
authorities to allow me to Appear in the present paper and the papers to be set
subsequently and / or at the University Examination to be hereafter.

In case the request is granted, I do hereby agree that my **appearance** in the
examination will be **provisional** and subject to the decision of the authorities in the
matter of disposal of the case of alleged use of Unfair Means referred to above.

I hereby agree that in the event of myself being found guilty at the time of
investigation of the said case, my performance at the examination to which I have
been permitted to appear provisionally, consequent upon my special request is to be
treated as **null and void**.

In witness whereof I set my hand to this undertaking.


Signature of the candidate
Date & Time : 25/03/2022

Before

Chief conductor of the Examination, Rubber Stamp of the college.

Vidyalankar School of Information Technology
Wadala(E)

STATEMENT OF CANDIDATE
(Unfair Means)

Name in Full : Sahab Singh Ishar
Address : 114/74, Mulund Colony, Mulund (West), Mumbai - 40
Examination : Month: March Course: BSc IT Sem: II
Paper No. & Subject : Green Computing
Seat No. / Roll No. : 21302 D0010

To,
The Principal
Vidyalankar School of Information Technology
Wadala (E)

Sir,
I, appeared at the above examination held on 25/03/2022..... in the
Morning/ Evening session.

I give below my statement as follows: - My partner gave the me
the question paper on which he scribbled.

Place & Date : 25/03/2022.....

Time : 10.50 am.....

Sahab
Signature of Candidate

Vidyalankar School of Information Technology
Wadala(E)

Report of Jr. Supervisor
(Unfair Means)

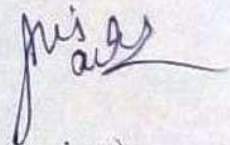
Block No.: 08 Room X-014
Course: B.Sc (IT) Sem: II
Subject: G.C.
Date: 25/03/2022

To,
The Controller of Examinations
Vidyalankar School of Information Technology
Wadala(E)
Mumbai - 400 037

Sir,

I, the undersigned, Jr. Supervisor appointed on the above mentioned Block at the
FY Mid Term examination held on 25/03/22, am hereby making report against
Candidate No. 21302 D0010 Shri / Kum. Sahab Singh Isher. at
the examination as follows: - He was copying answer
from the Question paper which was passed
by his friend Vihanghu seated behind him.
His friend had written answer pointer on
Question paper and passed to him

Yours faithfully



(Jr. Supervisor)

Date: 25/03/22

Time: 11.20 am

Name & Address of the Junior Supervisor

Sahib M Shaikh
Green Avenue,
NIT School Road
Mira Road.

VIDYALANKAR SCHOOL OF INFORMATION TECHNOLOGY

Date: 25/03/2022

Internal Assessment Examination (March 2022)

Time: 1:30 hr

F.Y B.Sc.I.T. – SEM -II

Subject: Green Computing

Marks: 30

Instructions: All questions are compulsory.

Q1 Attempt any three [15]

(a) What is the various e-waste that are generated in your day today life? Explain in brief any one initiative taken by different countries to handle the e-waste problem? 5

Handwritten (b) Explain in detail about RoHs(Restriction of Hazardous substance). 5

(c) Explain how green computing techniques can be implemented in our lifestyle which may result in cost savings? 5

Handwritten (d) What are the prime objectives of StEP (Solving the E-waste Problem)? 5

Handwritten (e) If you are appointed as a manager in Red Label Tea Center, how do you calculate the carbon footprint of your tea center (consider the factors such as transportation, use of electronic appliances etc of your café center)? 5

Handwritten notes:
collect the data, see what's included
set a baseline
analyze, calculate
Report to stakeholders.

Q2 Attempt any three [15]

Handwritten (a) If you are a part of St. John organization, what are the various measures you will implement to minimize the power usage in your organization? 5

Handwritten (b) Differentiate between RAID and MAID. → 5

Handwritten notes:
Stands for
data behavior
power consumption
maintenance
cost
storage
updates

Handwritten (c) How data deduplication process helps in reducing power consumption? 5

Handwritten (d) What are the factors to be considered while calculating the cooling requirements? 5


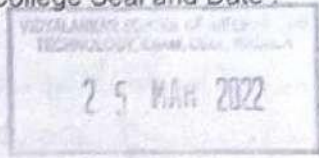
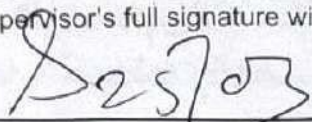
(e) Explain about any two devices that are used for power monitoring. 5

Handwritten notes:
Room size ✓
lighting ✓
No of people ✓
Appliances.

Handwritten notes:
5
5
5
5
5
Room monitoring
Switching off appliances
Poly-broto stan used appliances

Handwritten: Polybrominized

on behalf of
(University of Mumbai)

Month & Year of Examination	Year : FY / SY / TY	Semester	Seat No. : 21302000/a
03/2022	F.Y.	II	Candidate's Signature : 
Subject : Green Computing (G.C).			College Seal and Date :  25 MAR 2022
Date : 25/03/22 D D M M Y Y	Total No. of Supplements Attached =	Section : D.	
Junior Supervisor's full signature with date : 			

Q.1)

a)

* e-waste is also known as electronic waste. examples of e-waste are used Batteries, Green Home appliances. for ex.

→ e-waste is also known as electronic waste, one of the examples of e-waste are used Batteries. which do not have any use after its optimum utilization. Broken electronic equipment, the packages of Medicines etc. are some of the examples of e-waste. In day today life Medicines are one of the e-waste generated daily. along with that the card for which I travel to college once finished and I don't want to travel will be an e-waste generated in my life. people should use wired equipments and avoid using the batteries again and again. Different countries have generated.

The points that will be needed to calculate Carbon footprints are:

- Keeping track of daily transportation ways.
- track, calculate and get the results of total Carbon footprint spent daily.
- lessening the use of electronic appliances which require more power consumption.
- Report your results.

b) RAID and MAID.

	RAID	MAID
1.	Redundant Accessed Array Intel Independent Disk	Massive Magnetic Accessed Array Idle Disk
2.	It consumes more power.	It consumes lesser power.
3.	It is more expensive than MAID.	This is comparatively less expensive.
4.	It is a way of storing the same data in multiple Hardware.	It performs the data of being massive erasure which eventually reduces power consumption.

b)

Data deduplication is also known as "Intelligent Compression" on single system storage.

d)

→ The factors considered for cooling requirements are:

- Turning off the computer after usage.
- Turning the monitor screen off.
- Using the cooler for the CPU so it does not overheat or gives low performance.
- Switching off the appliances.
- brighting system.
- power monitoring and keeping a back on brighting system.

e)

→ The device used for power monitoring is economizer.

① Air-side Economizer:-

② Water-side Economizer:-

Vidyalankar School of Information Technology
Wadala(E)

UNDERTAKING FROM CANDIDATE
(Unfair Means)

Full Name of the Candidate: Wagandhar..dwiwedi.....
Sem. : ...II.... Course : ...B.Sc...IT... Roll No. : 12020019
Permanent / Local Address: Antop..hill...Sion..East...
G.A.B..Nagar..Sector..3...1....
Vijay..Nagar...Mumbai..27

To,
The Principal,
Vidyalankar School of Information Technology

I, the undersigned, student Wagandhar..dwiwedi appearing for Mid term.....
examination held in the month of May..06... Year 2012..... do hereby state as
under:

I understand that I am involved in respect of an illegal use of Unfair Means in the
Examination Hall and therefore, being reported to the College authorities/ University.

That in spite of the registration of a case of Unfair Means against me I request the
authorities to allow me to Appear in the present paper and the papers to be set
subsequently and / or at the University Examination to be hereafter.

In case the request is granted, I do hereby agree that my **appearance** in the
examination will be **provisional** and subject to the decision of the authorities in the
matter of disposal of the case of alleged use of Unfair Means referred to above.

I hereby agree that in the event of myself being found guilty at the time of
investigation of the said case, my performance at the examination to which I have
been permitted to appear provisionally, consequent upon my special request is to be
treated as **null and void**.

In witness whereof I set my hand to this undertaking.

Wagandhar..dwiwedi
Signature of the candidate
Date & Time :

Before

.....
Chief conductor of the Examination, Rubber Stamp of the college.

Vidyalankar School of Information Technology

Wadala(E)

STATEMENT OF CANDIDATE

(Unfair Means)

Name in Full : Nayan dhan Deshpande

Address : Wion (E), Vijay Nagar, C.G.S. Colony, Mumbai (22)

Examination : _____ Month: March Course: B.Sc. II Sem: II

Paper No. & Subject : GC

Seat No. / Roll No. : 21302B0014

To,
The Principal
Vidyalankar School of Information Technology
Wadala (E)

Sir,

I, appeared at the above examination held on 25-03-22 in the Morning/ Evening session.

I give below my statement as follows: - I was using phone

to copy answers.

Place & Date : Mumbai
~~Vijay Nagar~~ 25-03-22

Time : 10.00 o'clock

Signature of Candidate

Vidyalankar School of Information Technology
Wadala(E)

Report of Jr. Supervisor
(Unfair Means)

Block No.: X008
Course: BSc IT Sem: II
Subject: Green Computing
Date: 21/3/2012

To,
The Controller of Examinations
Vidyalankar School of Information Technology
Wadala(E)
Mumbai - 400 037

Sir,

I, the undersigned, Jr. Supervisor appointed on the above mentioned Block at the
Mid term examination held on 21/3/2012, am hereby making report against
Candidate No. 21302B0014 Shri / Kum. Nayandhar D. at
the examination as follows :- I saw him copying from
his phone

Yours faithfully

Madhavi
(Jr. Supervisor)

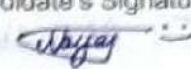
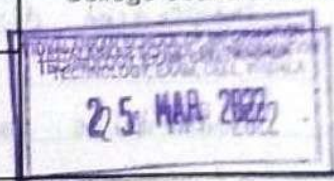
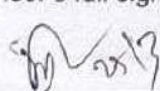
Date: 25/3/2012

Time: 10 am

Name & Address of the Junior Supervisor


Madhavi Anandkar
134, A wing, Court Road,
Ghatkopar, 400 075

on behalf of
(University of Mumbai)

Month & Year of Examination	Year : FY / SY / TY	Semester	Seat No. : 2130160014
March 2022	FY	II	Candidate's Signature : 
Subject : GC .			College Seal and Date : 
Date : 25/03/22 D D M M Y Y	Total No. of Supplements Attached =	Section :	
Junior Supervisor's full signature with date : 			

Q.1.	(d) what are the prime objectives of StEP (Solving the E-waste problem) ?
	= solving the e-waste problem (St StEP) is an opportunity for residential, governmental places, academic institutions, etc.
	There are some prime objectives of StEP:
	i) Increasing public, social acknowledgment.
	-ii) Everyday should be aware about saving our mother earth by the use of green computing.
	iii) Reducing contamination in sea and rivers lake lake.
	iv) Forward for better future.

on behalf of
(University of Mumbai)

Month & Year of Examination	Year : FY / SY / TY	Semester	Seat No. : 2190200014.
March 2022	FY	II	Candidate's Signature : <i>Nayan</i>
Subject : GC.			College Seal and Date : 
Date : 25 03 22 D D M M Y Y	Total No. of Supplements Attached =	Section :	
Junior Supervisor's full signature with date :			

Q.1.

a)

What is the various e-waste that are generated in your day today life? Explain in brief any or initiative taken by different countries to handle the e-waste problem;

explain in detail laws (restrictions of Hazardous substance).

explain how green computing techniques can be implemented in our lifestyle which may result in cost savings?

What are the prime objectives of ISEP (Solving the E-waste problem)?

If you are appointed as a manager in Red Label Tea Center, how do you calculate the carbon footprint of your tea center? Consider the factors such as transportation, use of electronic appliances etc of your center.

Revaluation and Photocopy notice from exam cell:

Revaluation Notice

VSIT | Vidyalankar School of
Information Technology
NAAC ACCREDITED COLLEGE

**Examination Notice for Photocopy and
Revaluation**

Date: 16/12/2019.

**Result B.Sc.IT/B.M.S/B.A.F/B.B.I/ B.F.M. & B.M.M.
Semester I/II/III/IV Examination held in October 2019**

This is to inform all students that Semester I/II/III/IV Examination Results for above mentioned course has been declared.

Students can apply for photocopy & revaluation of answer-books and fees details are as given below:

Particulars	Fees per subject		Last Date of Payment
	Open	Reserved	
Photocopy	Rs. 60/-	Rs. 35/-	26 th Dec., 2019
Revaluation	Rs. 260/-	Rs. 135/-	26 th Dec., 2019

Note: Please follow the steps given below.

1. Login to ERP.
2. Apply for revaluation and photocopy properly.
3. Print the challan.
4. Attached question paper and hall ticket photocopy.
5. Verify the documents in exam cell.
6. Pay the fees and submit the challan in account.


I/c Exam Cell


Vice-Principal


Principal

**Examination Notice for Photocopy and
Revaluation**

Date: 11/05/2019.

**Result B.Sc.IT/B.M.M./B.F.M./B.M.S./B.B.I./B.A.F. Sem. -I
ATKT Examination held in March/April 2019**

This is to inform all students that Semester I ATKT Examination Results for above mentioned course has been declared. Gazette copies have been displayed on VSIT LIVE (live.vsit.edu.in).

Students can apply for photocopy & revaluation of answer-books and fees details are as given below:

Particulars	Fees per subject		Last Date of Payment
	Open	Reserved	
Photocopy	Rs. 60/-	Rs. 35/-	16 th May, 2019
Revaluation	Rs. 260/-	Rs. 135/-	16 th May, 2019

Note: 1. Collect the form from Exam Cell., 2. Fill it properly, 3. Attach Hall Ticket(photocopy), Question paper, Gazette page and highlight your seat number, (Reserved Category student should Attach caste certificate along with form.) 4. Get it check from exam cell., 5. Pay the fees in account.


I/c Exam Cell


Vice- Principal


Principal

**Examination Notice for Photocopy and
Revaluation**

Date: 15-05-2019.

**Result B.Sc.IT/B.M.S./B.B.I./B.F.M./B.A.F. Semester II
Regular Held In March/April 2019**

This is to inform all students that Semester II REGULAR Examination Results for above mentioned course has been declared. Gazette copies have been displayed on VSIT LIVE (live.vsit.edu.in).

Students can apply online through ERP for photocopy & revaluation of answer-books and fees details are as given below:

Particulars	Fees per subject		Last Date of Payment
	Open	Reserved	
Photocopy	Rs. 60/-	Rs. 35/-	25 th May, 2019
Revaluation	Rs. 260/-	Rs. 135/-	25 th May, 2019

Note:

1. Login to ERP, 2. Apply for Revaluation and Photocopy properly, 3. Print the challan. 4. Attach photocopy of mark-sheet 5. Pay the fees and submit the challan along with mark-sheet photocopy in account.

For Signature
I/c Exam Cell

Vice- Principal

Principal
Principal

Application for Revaluation:



APPLICATION FOR REVALUATION

Date: 18-12-2019

The Principal,
Sir / Madam,

I GUPTA NIRVAAN MADAN REENA roll number 19302F0034, submit my grievances and request you to forward my answer book/s to re-verification committee. I give details as under.

Caste:	OPEN		
Mobile No.:	9819680038	Email:	guptanirvaan176@gmail.com
Month/Year	Oct - 2019	Branch	BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
Semester	1	Exam Seat Number	219282
Sr. No.	Subject Code	Name of Subjects	Marks obtained in Theory Paper
1	USIT101	IMPERATIVE PROGRAMMING	15 / 75
2	USIT105	COMMUNICATION SKILLS	15 / 75

- Attach separate sheets if necessary. Mention grievances very clearly. Avoid ambiguous statements.
- Submit separate applications for different subject/semesters. Bring photocopy of this application if acknowledgement is needed.
- Students can apply for the revaluation of the answer book of the subject only if he/she has secured at least 0% of the total marks in the subject or 0% of the marks required for passing in the said subject, whichever is less.

I undertake that,

- I shall abide by all the rules prescribed by the University of Mumbai in Exam / Photo & Rev/Univ/VCD/4637 of 2010.
- I shall pay requisite fees of ₹ 250/- (₹ 125/- for reserve category examinees - SC, ST, DT/NT, EBC) per answer book and Application fees of ₹ 0/- for the same which is non-refundable.
- I am fully aware that I need to apply within 7 days from the date of declaration of result (including date of issue of declaration of result) / issue of mark sheets from the institute of respective examination. Application submitted after 5 days shall not be processed.
- I hereby undertaken that the result of the revaluation of my answer-book/s shall be binding on me and that I shall accept the revised marks assigned to my paper/s.

Yours truly,
(Signature of Student)

Exam Section	A/C Section	
Checked by	Receipt No.	Received by
Remark:		

2601-
2601-
5201-
Verified.
19/12

APPLICATION FOR REVALUATION

Date: 24-12-2019

The Principal,
Sir / Madam,

I KUNDU SANDEEPAN DEEPAK SHAYAN roll number 1830180060, submit my grievances and request you to forward my answer book/s to re-verification committee. I give details as under.

Caste: OPEN
Mobile No. 9920579052 Email: sandeepankundu4@gmail.com

Month/Year Oct - 2019 Branch BACHELOR OF MANAGEMENT STUDIES
Semester 3 Exam Seat Number 139052

Sr. No.	Subject Code	Name of Subjects	Marks obtained in Theory Paper
1	UBMS303	BUSINESS PLANNING AND ENTREPRENEURIAL MANAGEMENT	37 / 75
2	UBMS304	INFORMATION TECHNOLOGY IN BUSINESS MANAGEMENT - I	56 / 75

- Attach separate sheets if necessary. Mention grievances very clearly. Avoid ambiguous statements.
- Submit separate applications for different subject/semesters. Bring photocopy of this application if acknowledgement is needed.
- Students can apply for the revaluation of the answer book of the subject only if he/she has secured at least 0% of the total marks in the subject or 0% of the marks required for passing in the said subject, whichever is less.

I undertake that,

- I shall abide by all the rules prescribed by the University of Mumbai in Exam / Photo & Rev/Univ/VCD/4637 of 2010.
- I shall pay requisite fees of ₹ 250/- (₹ 125/- for reserve category examiners - SC, ST, DT/NT, EBC) per answer book and Application fees of ₹ 0/- for the same which is non-refundable.
- I am fully aware that I need to apply within 7 days from the date of declaration of result (including date of issue of declaration of result) / issue of mark sheets from the institute of respective examination. Application submitted after 5 days shall not be processed.
- I hereby undertaken that the result of the revaluation of my answer-book/s shall be binding on me and that I shall accept the revised marks assigned to my paper/s.

Yours truly,

(Signature of Student)

Exam Section	A/C Section	
Checked by	Receipt No. 580269	Received by [Signature] 26/12/19

Remark:

Verified
260
260
5207-07 26/12

APPLICATION FOR PHOTOCOPY

Date: 29-05-2019

The Principal,
Sir / Madam,

I YADAV DURGESH RAMAVADH MANARAVATI DEVI apply for photocopy/s of my answer books (theory paper), I give details as under.

Examination	UG-BSC (IT)-4-(75-25 CBCGS - NEW)APR- 2019	Month / Year	Apr - 2019
Semester	4	Branch	BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
Roll Number	18302A3004	Exam Seat Number	3245706

Sr. No.	Subject Code	Subject Name	Sign & Date on receiving photocopy
1	USIT403	COMPUTER ORIENTED STATISTICAL TECHNIQUES	Received Photocopy

Submit separate applications for different subjects/semesters. Bring photocopy of this application if acknowledgement is needed.

I undertake that,

- I shall abide by all the rules prescribed by the University of Mumbai in Exam / Photo & Rev/Univ/VCD/4637 of 2010.
- I shall pay requisite fees of 50/- (25/- for reserve category examiners - SC, ST, DT/NT, EBC) per answer book and Application form of 0/- for the same which is non-refundable.
- I am fully aware that I need to apply within 5 days from the date of declaration of result (including date of issue of declaration of result) / issue of mark sheets from the institute of respective examination and application submitted after 5 days shall not be processed.
- I shall personally collect the photocopy from the Exam cell by producing the photocopy fee receipt.

Yours truly,

Durgesh Yadav
(Signature of Student)

Read Only View

568887

50
verified

Revaluation Fees collection:

Vidyalankar School of Information Technology
Wadala (E), Mumbai 400037



Fees collected from 01 February, 2019 to 14 March, 2019 for REVALUATION OF ANSWER BOOK

Sr. No.	Roll	Receipt	Dt. of Payment	Name	Mobile	Email	Course	Sem	Shift	Fee Type	Amount	Paid	Arrears
1	15301B0037	565103	25-02-2019	Altamash Hasan Mapari	9619080552	p.altamash1111@gmail.com	UG-BMS	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
2	13302A0044	565104	25-02-2019	Animesh Vinod Thakurdesai	0000000000	123@abc.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
3	14302E0261	565119	25-02-2019	Shivam Sadashiv Belgundkar	9821134001	SHIVAMBELGUNDKAR007@GMAIL.COM				REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
4	14302E0283	565120	25-02-2019	Praveen Laxminarayana Vaddepalli	7738882624	PRAVEENVADDEPELLI143@GMAIL.COM	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	510.00	510.00	0.00
5	14302E0283	565121	25-02-2019	Praveen Laxminarayana Vaddepalli	7738882624	PRAVEENVADDEPELLI143@GMAIL.COM	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	510.00	510.00	0.00
6	15302B0055	565123	25-02-2019	Mahesh Jayprakash Sawant	9969187497	sawantmahesh59@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	510.00	510.00	0.00
7	15305A0030	565125	25-02-2019	Kalyani Venu Das	7666050175	kalyanivdas1996@gmail.com	UG-BAF	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
8	15305A0010	565126	25-02-2019	Snehal Vinayak Tandel	9224010829	abc@gmail.com	UG-BAF	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
9	15302D0055	565127	25-02-2019	Mohit Vijay Mandavkar	8655109303	mandavkarmohit@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
10	15301A0049	565153	25-02-2019	Nisha Nandkumar Raorane	9167378998	nishapm1724@gmail.com	UG-BMS	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
11	15302D0009	565170	26-02-2019	Ashutosh Sham Tolang	9769901590	www.ashutoshrack@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
12	14302D0206	565173	26-02-2019	Shubham Narendra Raut	9920905829	shubhamraut476@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	770.00	770.00	0.00
13	15302F0010	565176	26-02-2019	Jihan Prasad Joshi	9769350616	jihanasilgyu@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
14	15302D0043	565178	26-02-2019	Vikash Yuvraj Jain	9167363330	97vikashjain@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
15	14302D0238	565185	26-02-2019	Amit Narendra Kamdar	758874752	kamdaramit0@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	510.00	510.00	0.00
16	15305B0007	565191	26-02-2019	Mayuri Bhalkhandra Thanekar	8286232009	mayurithanekar@ymail.com	UG-BAF	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
17	15302B0065	565203	26-02-2019	Praful Rajaram Divekar	9619652392	prafuldivekar22@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	135.00	135.00	0.00
18	15302B0065	565204	26-02-2019	Praful Rajaram Divekar	9619652392	prafuldivekar22@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	135.00	135.00	0.00

Vidyalankar School of Information Technology
Wadala (E), Mumbai 400037



Fees collected from 01 February, 2019 to 14 March, 2019 for REVALUATION OF ANSWER BOOK

Sr. No.	Roll	Receipt	Dt. of Payment	Name	Mobile	Email	Course	Sem	Shift	Fee Type	Amount	Paid	Arrears
19	15302B0071	565205	26-02-2019	Mohd Faiz Dabir Khandwani	9769266912	faizkhandwani16@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	510.00	510.00	0.00
20	15305A0042	565208	26-02-2019	Jaunita Albert Dsouza	8879288053	jaunitadsouza16@gmail.com	UG-BAF	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	760.00	760.00	0.00
21	16302B3004	565209	26-02-2019	Himanshu Sunil Karawade	9022528048	himanshukarawade21@gmail.com	DIR 2ND YEAR-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
22	15302E0024	565210	26-02-2019	Shubham Gajanan Mithabavkar	8879751484	BHOBBHOC007@GMAIL.COM	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
23	15302C0029	565211	26-02-2019	Karthikeyan Nityanandan Nadar	9819959875	nityanandan964@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
24	15302C0072	565216	26-02-2019	Arul Anandraj Lourdsuwamy	8898925938	arulraj975@gmail.com	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	510.00	510.00	0.00
25	15301B0022	565219	26-02-2019	Faizal Mohd Yusuf Qureshi	9004756152	fq68771@gmail.com	UG-BMS	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
26	15301B0019	565220	26-02-2019	Amit Arun Mishra	9167342703	mishrarockwithme@gmail.com	UG-BMS	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
27	14302E0340	565221	26-02-2019	Nikhil Kumar Dharampuri Pottawatni	8655398859	NIKHILPOTTA95@GMAIL.COM	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	510.00	510.00	0.00
28	14302E0340	565222	26-02-2019	Nikhil Kumar Dharampuri Pottawatni	8655398859	NIKHILPOTTA95@GMAIL.COM	UG-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
29	15301C0080	565223	27-02-2019	Rahul Dayanand Adepu	9321590224	rahuladepu12@gmail.com	UG-BMS	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
30	16302A3002	565225	27-02-2019	Amit Madhukar Patil	8286579004	amitmadvhukar.patil@gmail.com	DIR 2ND YEAR-BSC (IT)	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
31	13301F0117	565229	27-02-2019	Gurtej Ravinder Ichpanani	0000000000	123@abc.com	UG-BMS	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	510.00	510.00	0.00
32	15305A0024	565244	27-02-2019	Ketan Rajesh Jadhav	8422035313	ketanj744@gmail.com	UG-BAF	SEM 6	MORNING SHIFT	REVALUATION OF ANSWER BOOK	135.00	135.00	0.00
33	14305A0046	565247	27-02-2019	Akash Pandharinath Gadge	7045107143	akashpgadge@gmail.com				REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
34	14305A0058	565250	27-02-2019	Shabnam Nazim Husain Khan	8424801166	shabnam1166@gmail.com				REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
35	14305A0016	565253	27-02-2019	Swapnil Shirish Anpat	9821485151	A@BGMAIL.COM				REVALUATION OF ANSWER BOOK	260.00	260.00	0.00
36	14305B0089	565254	27-02-2019	Imran Ebrahim Sama	9833247740	imransama402@yahoo.com				REVALUATION OF ANSWER BOOK	260.00	260.00	0.00

Photocopy Distribution:



Photocopy Distribution

Sem I, II & III

Students who have applied for Photocopies of Answer Booklet of Sem I, II & III of all courses are hereby informed to collect it from the exam cell on 6th June 2019, Thursday.

Time: 10.30 am to 12.30 pm.


I/C Exam cell


Vice Principal



Principal

Photocopy Distribution

Sem IV

Students who have applied for Photocopies of Answer Booklet of Sem IV of all courses are hereby informed to collect it from the exam cell on 13th June 2019, Thursday.

Time: 10.30 am to 12.30 pm.


I/C Exam cell


Vice Principal


Principal

Vidyalankar School of Information Technology

Vidyalankar College Marg, Wadala (E) Mumbai - 400037

(Affiliated to University of Mumbai)

Revaluation Result for UG-BSCIT-III (75-25 CBCGS - NEW) OCT-2019

Sr. No.	Subject Name	Roll Number	Exam Seat Number	Name of Student	Marks Obtained	Checked By	Revalued By	Marks after	Remark
1	PYTHON PROGRAMMING	17302C0044	17302C0044	MANE VINAYAK SURESH SHAHIKALA	8 / 75	PS	ST	9	No Change
2	PYTHON PROGRAMMING	17302C0018	239002	SAKRULLA POOJA DYAMANNA SARAWATI	15 / 75	IV	ST	16	No Change
3	PYTHON PROGRAMMING	17302C0023	239003	MAHADIK KALPESH KRISHNA KALYANI	8 / 75	IV	ST	5	No Change
4	PYTHON PROGRAMMING	18302F0012	239295	SAIN MUSTAQEEM MAINUDDIN SURAIYA	11 / 75	LJ	ST	5	No Change
5	DATA STRUCTURES	17302C0018	239002	SAKRULLA POOJA DYAMANNA SARAWATI	14/75	KS	SS	6	No Change
6	DATA STRUCTURES	17302C0023	239003	MAHADIK KALPESH KRISHNA KALYANI	.8/75	KS	SS	5	No Change
7	DATA STRUCTURES	18302A0011	239019	PATIL ANURAG PARAG ANAGHA	15 / 75	KS	SS	28	Change
8	DATA STRUCTURES	18302C0050	239165	KERKAR SIDDHI SACHIN SWAPNAJ	.6/75	HT	SS	9	No Change
9	DATA STRUCTURES	18302C0057	239172	SACHIDANAND ROHIT HEMA	.8/75	HT	SS	13	No Change
10	DATA STRUCTURES	18302F0012	239295	SAIN MUSTAQEEM MAINUDDIN SURAIYA	.9/75	HT	SS	20	No Change
11	COMPUTER NETWORKS	18302C0050	239165	KERKAR SIDDHI SACHIN SWAPNAJ	14 / 75	RP	PM	8	No Change
12	COMPUTER NETWORKS	18302C0057	239172	SACHIDANAND ROHIT HEMA	24 / 75	AR	PM	27	Change
13	COMPUTER NETWORKS	18302E0018	239249	MHATRE GAURESH DILIP HEMALATA	.11 / 75	MS	PM	14	No Change
14	COMPUTER NETWORKS	18302E0024	239255	ROBINRAJA GEORE MALAR	.7 / 75	MS	PM	6	No Change
15	DATABASE MANAGEMENT SYSTEMS	18302C0057	239172	SACHIDANAND ROHIT HEMA	17 / 75	AV	RD	10	No Change
16	DATABASE MANAGEMENT SYSTEMS	18302E0024	239255	ROBINRAJA GEORE MALAR	.10 / 75	AV	RD	11	No Change
17	APPLIED MATHEMATICS	18302D3005	18302D3005	YADAV SHIVKUMAR SHYAMNARAYAN RADHADEVI	.6 / 75	SABIR S.	GS	14	No Change
18	APPLIED MATHEMATICS	17302C0018	239002	SAKRULLA POOJA DYAMANNA SARAWATI	0 / 75	GS	AC	3	No Change
19	APPLIED MATHEMATICS	17302C0023	239003	MAHADIK KALPESH KRISHNA KALYANI	0 / 75	GS	AC	3	No Change
20	APPLIED MATHEMATICS	18302E0020	239251	GUPTA SHIVAM PREMCHAND VANDANA	.5 / 75	SABIR S.	GS	10	No Change
21	APPLIED MATHEMATICS	18302E0024	239255	ROBINRAJA GEORE MALAR	0 / 75	SABIR S.	GS	1	No Change
22	APPLIED MATHEMATICS	19302C3003	239321	DALVI SHAILESH RAVINDRA SUYOI DALVI	.8 / 75	SABIR S.	GS	27	Change
23	APPLIED MATHEMATICS	19302E3006	239332	WARANG NIKIT SANJAY SUREKHA	.8 / 75	SABIR S.	GS	6	No Change
24	APPLIED MATHEMATICS	19302F3005	239343	SALVI SWARANGI CHANDRAKAN SWAPNA	.3 / 75	SABIR S.	GS	7	No Change

REVALUATION RESULT BSc IT SEM IV - APRIL 2019

Sr. No.	Subject Name	Roll Number	Seat No.	Name of Student	Marks Obtained	Revaluated Marks	Checked By	Revalued By	Remark
1	Core Java	16302C0056	3245641	Naik Mayuresh Hemant Rashmi	17/75	17	Amita J	Rohini D	No Change
2	Core Java	17302B0042	3245644	Padala Manisha Rajesham Lavanya	60/75	60	Amita J	Rohini D	No Change
3	Core Java	17302C0033	3245661	Rajbhar Vivek Shankar Anaradevi	13/75	29	Amita J	Rohini D	Change
4	Core Java	17302B0051	3245692	Sonkusare Lokesh Sudhakar Chandraka	13/75	29	Seema B	Rohini D	Change
5	Core Java	17302B0021	3245693	Sripathi LingeshwarGanagadhar Geeth	13/75	16	Seema B	Rohini D	No Change
6	Core Java	17302F0002	3252440	Bhanushali Yash Nilesh Nayana	17/75	35	Seema B	Asif R	Change
7	Core Java	17302D0006	3252478	Ingale Shubham Harishchandra Tanvi	24/75	27	Seema B	Rohini D	Change
8	Core Java	16302D0034	3252493	Kamble Aniket Sanjay Shashikala	10/75	27	Seema B	Rohini D	Change
9	Core Java	17302E0032	3252494	Kamble Ketan Kashinath Shashikala	13/75	15	Seema B	Rohini D	No Change
10	Core Java	17302D0031	3252497	Kashid Krishna Dhanaji Chandrabhaga	10/75	27	Seema B	Rohini D	Change
11	Core Java	17302F0004	3252556	Rebello Alister Allan Audrey	14/75	31	Seema B	Asif R	Change
12	Core Java	17302D0020	3252572	Shinde Tanmay Shyam Depika	13/75	11	Payal	Rohini D	No Change
13	Introduction to Embedded Systems	17302C0013	3245581	Domale Ujwala Sadeanandam Swarupa	10/75	12	Sabir S	Umesh K	No Change
14	Introduction to Embedded Systems	17302C0028	3245638	Nadar Selvakumar Ponraj Susheela	15/75	20	Sabir S	Umesh K	No Change
15	Introduction to Embedded Systems	17302D0006	3252478	Ingale Shubham Harishchandra Tanvi	10/75	16	Sabir S	Umesh K	No Change
16	Introduction to Embedded Systems	16302D0034	3252493	Kamble Aniket Sanjay Shashikala	3/75	12	Sabir S	Umesh K	No Change
17	Introduction to Embedded Systems	17302D0045	3252503	Khan Sharooof Mhd Said Hasina	13/75	22	Sabir S	Umesh K	No Change
18	Computer Oriented Statistics	15302E0006	15302E0006	Bhoir Akshav Vijav Geeta	9/75	9	Sylvia D	Sabir S.	No Change

REVALUATION RESULT BMS SEM IV - APRIL 2019

Sr. No.	Subject Name	Roll Number	Seat No.	Name of Student	Marks Obtained	Revaluated Marks	Remark
1	Business Economics -II	17301B0055	666720	Poojary Smitha Shankar Deepa	33/75	45	Change
2	Business Economics -II	17301C0060	666775	Sagwekar Vikram Bhushan Supriya	15/75	14	No Change
3	Production And Total Quality Management	17301A0046	666604	Ghodke Siddharth Rajesh Manini	22/75	35	Change
4	Production And Total Quality Management	18301A3002	666606	Gupta Adity Shrinath Savita	20/75	27	Change
5	Production And Total Quality Management	17301C0005	666614	Kanade Rahul Baburao Savita	20/75	30	Change
6	Production And Total Quality Management	17301B0007	666631	Pakhare Vishal Namdeo Vidya	25/75	27	Change
7	Production And Total Quality Management	17301B0054	666632	Pandey Anjali Jilajit Manorama	37/75	45	Change
8	Production And Total Quality Management	17301A0032	666640	Sarwaiya Mahek Aashish Sonal	17/75	30	Change
9	Production And Total Quality Management	17301A0013	666652	Hohn Nixon Ponduraid Suganthi	16/75	31	Change
10	Production And Total Quality Management	17301B0063	666673	Gaikwad Sourabh Anand Runalu	18/75	30	Change
11	Production And Total Quality Management	17301A0055	666685	Jadhav Vikrant Anant Anita	20/75	30	Change
12	Production And Total Quality Management	17301B0011	666712	Panchal Yash Pradeep Unnati	18/75	23	No Change

University Revaluation Results:

SEAT NO. /CENTRE	MAX MARKS: MIN MARKS:	---COURSE1---				---COURSE2---				---COURSE3---				---COURSE4---				---COURSE5-TOT RSLT			
		TH	IN	PR	TO	TH	IN	PR	TO	TH	IN	PR	TO	TH	IN	PR	TO	PRO VIVA	TO		
PRN		30	10	20	--	30	10	20	--	30	10	20	--	30	10	20	--	40	40	--	---
		CR	GR	GP	C*G	CR	GR	GP	C*G	CR	GR	GP	C*G	CR	GR	GP	C*G	AC	BC	AC	CGPA

01: USIT601:INTERNET TECHNOLOGIES	02: USIT602:PROJECT MANAGEMENT	03: USIT603:DATA WAREHOUSING
04: USIT604: I.P.R. AND CYBER LAWS	07:2: USIT607:PROJECT REPORT	07:3: USIT608:VIVA VOCE
2081448 LOTANKAR MIHIR NITIN SWATI	RESULT-NO CHANGE AFTER REVALUATION	
01: USIT601:INTERNET TECHNOLOGIES	02: USIT602:PROJECT MANAGEMENT	03: USIT603:DATA WAREHOUSING
06: USIT606: GEOGRAPHIC INFORMATION SYSTEMS	07:2: USIT607:PROJECT REPORT	07:3: USIT608:VIVA VOCE
2081458 CHAPA MADHUKAR SUDHARSHAN BHARATHI	RESULT-NO CHANGE AFTER REVALUATION	
2081479 KAMBLE PRASAD PRASHAKAR PRATIBHA	RESULT-NO CHANGE AFTER REVALUATION	
2081483 KOCHAR SINGH GURSIMRAN MANDEEP	RESULT-NO CHANGE AFTER REVALUATION	

/:FEMALE; S:SUCCESSFUL; F:UNSUCCESSFUL/FAILS; AA/ABS:ABSENT; +:MARKS CARRIED; E:EXMP CAN BE CLAIMED; #:0.0229; @:0.5042/0.5043; *:0.5045; O: 70 & ABOVE; 7; A: 60 TO 69.99; 6; B: 55 TO 59.99; 5; C: 50 TO 54.99; 4; D: 45 TO 49.99; 3; E: 40 TO 44.99; 2; F(FAIL): 39.99 & BELOW; 1; FOR GPA:GRADE - 7:0; 6:A; 5:B; 4:C; 3:D; 2:E; 1:F; --:NOT APPLICABLE; RCC:0.5050; RPV:PROVISIONAL ADMISSION; RR:HELD IN RESERVED; INTERNAL MARKS ARE PROVISIONAL & SUBJECT TO CHANGE AS AND WHEN THE LEARNER PASSES THE EXTERNAL (THEORY) EXAMINATION AS PER R.8668

Gazette 2

UNIVERSITY OF MUMBAI RESULT DATE : SEPTEMBER 04, 2020
 OFFICE REGISTER FOR BACHELOR OF MASS MEDIA (B.M.M.) (SEM-V) (CBSSGS) (75:25) (R-16) (10 GRADE) (REVALUATION) EXAMINATION HELD IN OCTOBER 2019
 COLLEGE : 640 VIDYALANKAR COLLEGE - MAD PAGE NO. : 55

SEAT NO.	NAME OF THE CANDIDATE PRN	CENTRE	PAPER-I		PAPER-II		PAPER-III		PAPER-IV		PAPER-V		PAPER-VI		SEM.V RESULT
			TH	IA TOT	TH	IA TOT	TH	IA TOT	TH	IA TOT	TH	IA TOT	TH	IA TOT	
			75	25	100	75	25	100	75	25	100	75	25	100	600
			30	10	40	30	10	40	30	10	40	30	10	40	240
			CR	GR	GP	CR	GR	GP	CR	GR	GP	CR	GR	GP	AC*G GPA GRADE

SPECIALISATION : ADVERTISING
 PAPER I :1:COPY WRITING PAPER II:2:MEDIA PLANNING & BUYING PAPER III:3:CONSUMER BEHAVIOUR
 PAPER IV:4:BRAND BUILDING PAPER V :5:ADVERTISING IN CONTEMPORARY SOCIETY PAPER VI :6:ADVERTISING DESIGN (PROJECT PAPER)

/:FEMALE; S:APPEARED FOR CLASS IMPROVEMENT; F:FAILS; AA/ABS:ABSENT; +:MARKS CARRIED; E:EXMP CAN BE CLAIMED; O: 80 & ABOVE- 10;A: 70 TO 79.99- 9;A: 60 TO 69.99- 8; B+: 55 TO 59.99- 7; B: 50 TO 54.99- 6; C: 45 TO 49.99- 5; D: 40 TO 44.99- 4; F(FAIL): 39.99 & BELOW - 1; --:NOT APPLICABLE; #:0.0229; @:0.5042/0.5043; *:0.5045; @:0.5044; RCC:0.5050; RPV:PROVISIONAL ADMISSION; PFR:PASSED PREVIOUSLY; FOR FAIL CANDIDATES INTERNAL MARKS ARE PROVISIONAL AND SUBJECT TO CHANGE AS AND WHEN THE LEARNER PASSES THE EXTERNAL (THEORY) EXAMINATION AS PER R.8668

UNIVERSITY OF MUMBAI RESULT DATE : SEPTEMBER 04, 2020
 OFFICE REGISTER FOR BACHELOR OF MASS MEDIA (B.M.M.) (SEM-V) (CBSSGS) (75:25) (R-16) (10 GRADE) (REVALUATION) EXAMINATION HELD IN OCTOBER 2019
 COLLEGE : 640 VIDYALANKAR COLLEGE - MAD PAGE NO. : 56

SEAT NO.	NAME OF THE CANDIDATE PRN	CENTRE	PAPER-I		PAPER-II		PAPER-III		PAPER-IV		PAPER-V		PAPER-VI		SEM.V RESULT
			TH	IA TOT	TH	IA TOT	TH	IA TOT	TH	IA TOT	TH	IA TOT			
			75	25	100	75	25	100	75	25	100	75	25	100	600
			30	10	40	30	10	40	30	10	40	30	10	40	240
			CR	GR	GP	CR	GR	GP	CR	GR	GP	CR	GR	GP	AC*G GPA GRADE

SPECIALISATION : ADVERTISING
 PAPER I :1:COPY WRITING PAPER II:2:MEDIA PLANNING & BUYING PAPER III:3:CONSUMER BEHAVIOUR
 PAPER IV:4:BRAND BUILDING PAPER V :5:ADVERTISING IN CONTEMPORARY SOCIETY PAPER VI :6:ADVERTISING DESIGN (PROJECT PAPER)

1037861 BANDI SUMIT KUMAR VENKTESHWAR LEELA RESULT-NO CHANGE AFTER REVALUATION

1037891 /CHUDASANA VIHNI DEEPAK REKHA 2DADAR
 59 15 74 36 15 51 51 14 65 40 16 56 43 16 59 60 16 76 381 P
 2017016400902482 4 A+ 9 4 B 6 4 A 8 4 B+ 7 4 B+ 7 4 A+ 3 184 7.67 B+

1037911 FERNANDES SHAWN GREGORY SUSAN 2DADAR
 32E 10E 42E 18F 10E 2E 30E 10E 40E 30E 10E 40E 10E 10E 40E 44E 10E 54E 244 F
 2017016400902691 4 D 4 - F 1 4 D 4 4 D 4 4 D 4 4 E 6

1037972 KADAM SREKAS PRASHANT PRAJAKTA 2DADAR
 20F 10E 30 30E 13E 43E 19F 10E 29 50E 13E 43E 10E 11E 41E 37E 15E 50E 236 F
 2017016400902524 - F 1 4 D 4 - F 1 4 D 4 4 E 6

1037987 KANDALGAONKAR DEVIK CHANDRAKANT DAR SHAMA 2DADAR
 40 13 53 36 11 47 43 12 55 39 14 53 30 14 44 43 14 57 309 D
 2017016400426633 4 B 6 4 C 5 4 B+ 7 4 B 6 4 D 4 4 B+ 7 140 5.83 C

1038001 /KHANVILKAR SURABHI KAMLAKAR KARISHMA 2DADAR
 30E 19E 49E 34E 19E 53E 33E 19E 52E 18F 18E 36 12F 18E 30 58E 18E 76E 296 F
 2017016400902362 4 C 5 4 B 6 4 B 6 - F 1 - F 1 4 A+ 3

1038027 MANE NISARGA VINOD DAMINI RESULT-NO CHANGE AFTER REVALUATION

1038043 MISHRA VARUN SHANKAR SANGEETA 2DADAR
 38 13 51 40 13 53 36 14 50 30 14 44 12 15 47 60 13 73 318 P
 2017016400902861 4 E 6 4 B 6 4 B 6 4 D 4 4 C 5 4 A+ 3 144 5.00 B

1038056 MURKAR GAURISH GANESH GAYATRI RESULT-NO CHANGE AFTER REVALUATION

1038081 PANAAR VEDANT ATUL VISHA 2DADAR
 39E 13E 52E 31E 15E 50E 32E 14E 46E 54E 14E 68E 23F 16E 39 64E 18E 82E 337 F
 2017016400902853 4 E 6 4 B 6 4 C 5 4 A 8 - F 1 4 0 10

1038095 PAWAR YASH VIKAS PUSHPA 2DADAR
 30E 12E 42E 24F 11E 35 30E 10E 40E 30E 12E 42E 10E 12E 42E 48E 11E 59E 260 F
 2017016400902644 4 D 4 - F 1 4 D 4 4 D 4 4 E 7

1038133 SAMALETY ADITYA SRINIVAS LAXMI 2DADAR
 23F 10E 33 31E 10E 41E 32E 10E 42E 35E 14E 49E 36E 11E 47E 50E 15E 65E 277 F
 2017016400902563 - F 1 4 D 4 4 D 4 4 C 5 4 C 5 4 A 8

/:FEMALE; S:APPEARED FOR CLASS IMPROVEMENT; F:FAILS; AA/ABS:ABSENT; +:MARKS CARRIED; E:EXMP CAN BE CLAIMED; O: 80 & ABOVE- 10;A: 70 TO 79.99- 9;A: 60 TO 69.99- 8; B+: 55 TO 59.99- 7; B: 50 TO 54.99- 6; C: 45 TO 49.99- 5; D: 40 TO 44.99- 4; F(FAIL): 39.99 & BELOW - 1; --:NOT APPLICABLE; #:0.0229; @:0.5042/0.5043; *:0.5045; @:0.5044; RCC:0.5050; RPV:PROVISIONAL ADMISSION; PFR:PASSED PREVIOUSLY; FOR FAIL CANDIDATES INTERNAL MARKS ARE PROVISIONAL AND SUBJECT TO CHANGE AS AND WHEN THE LEARNER PASSES THE EXTERNAL (THEORY) EXAMINATION AS PER R.8668

SEAT NO.	NAME OF THE CANDIDATE PRN	CENTRE	PAPER-I			PAPER-II			PAPER-III			PAPER-IV			PAPER-V			PAPER-VI			SEM.V RESULT TOT
			TH	IA	TOT	TH	IA	TOT	TH	IA	TOT	TH	IA	TOT	TH	IA	TOT	TH	IA	TOT	
			75	25	100	75	25	100	75	25	100	75	25	100	75	25	100	75	25	100	600
			30	10	40	30	10	40	30	10	40	30	10	40	30	10	40	30	10	40	240
			CR	GR	GP	CR	GR	GP	CR	GR	GP	CR	GR	GP	CR	GR	GP	CR	GR	GP	8C% GPA GRADE

SPECIALISATION : JOURNALISM

PAPER I :7:REPORTING

PAPER IV:10:FEATURE & OPINION

PAPER II:8:EDITING

PAPER V :11:INDIAN REGIONAL JOURNALISM

PAPER III:9:JOURNALISM & PUBLIC OPINION

PAPER VI :12:NEWS PAPER & MAGAZINE MAKING (PROJECT)

1038232	DSOUZA ASHWYN LEO JAGADAMBA	2DADAR	32	22	54	35	20	55	34	18	52	44	19	63	30	16	46	60	20	80	350	P
	2017016402368431		4	B	6	4	B+	7	4	B	6	4	A	8	4	C	5	4	O	10	168	7.00 B+
1038259	PATEL ISHAN GANESH JAYSHREE		RESULT-NO CHANGE AFTER REVALUATION																			
1038260	/PAMASAR SHRAEDHA MANGESH MANJIRI	2DADAR	31	19	50	32	18	50	30	16	46	45	17	62	30	15	45	58	20	78	331	P
	2017016400902331		4	B	6	4	B	6	4	C	5	4	A	8	4	C	5	4	O	10	160	6.67 B
1038269	SHARMA DEEPAK RAMGOPAL TULSI DEVI	2DADAR	30+	10+	40+	31+	10+	41+	39	10+	49	31+	10+	41+	33+	10+	43+	40+	13+	53+	267	F
	2016016402248578		4	D	4	4	D	4	4	C	5	4	D	4	4	D	4	4	D	4	108	4.50 D

/:FEMALE;S:APPEARED FOR CLASS IMPROVEMENT;F:FAILS;AA/ABS:ABSENT; +:MARKS CARRIED; E:EXMP CAN BE CLAIMED; O: 80 & ABOVE- 10;A+: 70 TO 79.99- 9;A: 60 TO 69.99- 8; B+: 55 TO 59.99- 7; B: 50 TO 54.99- 6; C: 45 TO 49.99- 5; D: 40 TO 44.99- 4; F(FAIL): 39.99 & BELOW - 1;--:NOT APPLICABLE;#:0229;@:O.5042/O.5043;*:O.5045;@:O.5044; RCC:O.5050; RPV:PROVISIONAL ADMISSION; PFR:PASSED PREVIOUSLY; FOR FAIL CANDIDATES INTERNAL MARKS ARE PROVISIONAL AND SUBJECT TO CHANGE AS AND WHEN THE LEARNER PASSES THE EXTERNAL(THEORY) EXAMINATION AS PER R.8668