

Mar 2018  
to  
May 2018  
Volume 1 | Issue 4  
[www.vsit.edu.in](http://www.vsit.edu.in)

# Information Technology Department Newsletter

## From the HOD's Desk

### Table of content:

[Page 1](#)

*From HOD's Desk*

[Page 3](#)

*Press for progress*

[Page 5](#)

*Scholar's day*

[Page 6](#)

*Interaction with diversity*

[Page 9](#)

*Degree distribution day*

[Page 11](#)

*Training session for Janakalyan*

[Page 14](#)

*FDP Session*

[Page 16](#)

*V-Meet*

[Page 17](#)

*NSS Camp*

[Page 19](#)

*Making paper bags*

[Page 20](#)

*World water day*

[Page 21](#)

*Sports Special*

Today India is a leader in Information Technology and also the single largest recruiters for IT companies around the world. M.Sc. IT and B.Sc. IT fields help to enhance the skills of students and become "Industry Ready". The curriculum has been designed to provide the most demanding skills expected by an individual in IT industry, be it Mobile Development, Cloud Computing, Embedded Systems, IOT. We at VSIT ensure that the students passing out possess the required knowledge and skills to be "Employable" rather than be "Trainable".



Mr. Umesh Koyande  
HOD, IT Dept

[Page 23](#)  
*Tantravihar*

[Page 25](#)  
*Einstein's Birthday*

[Page 26](#)  
*Coding and Decoding*

[Page 27](#)  
*Spoken Tutorial*

[Page 28](#)  
*AAP Workshop*

[Page 30](#)  
*Web Designing*

[Page 31](#)  
*IV to Fiat*

[Page 33](#)  
*IV to CETTM*

[Page 35](#)  
*Report on OOPS*

[Page 37](#)  
*Value Added Courses*

[Page 39](#)  
*R&D Committee Activity*

## PRESS FOR PROGRESS

International Women's Day 2018 has the theme "press for progress". It is a "strong call to motivate and unite friends, colleagues and whole communities to think, act and be gender inclusive".

Celebrated on 8th March, every year, the significance of International Women's Day is increasing year after year and has become a custom today. It appears as a celebration of respect, appreciation, love and care towards women. Vidyalankar is glad to organise Women's Day for more than a decade now and which instills respect since childhood and care for women in the minds of young brains since their childhood itself. It also forms an essential part of the celebrations in order to spread knowledge and awareness of women empowerment, their position society and their achievements.

**Songs find an easy way to the heart!** A song was sung by Sarthak Parab ,SYBSC IT He dedicated the song to womankind .The lyrics are refreshing and express gratitude towards women for all they have done for their male counterparts. This particular song has contributed to the canon of feminist songs and had taken the mission far ahead!

Dr.Rohini Kelkar, Principal, Vidyalankar school of Information &Technology , addressed "Vidyalankar shows equality". A women's performance can excel only with the support of men Ms.Sandhya, convenor of Women development cell emphasized the "Press for Progress" as hoping for a new life.

The chief guest of the day. Ms.Meena Mohadikar ,Women Entrepreneur & Founder of Aamhi Udyo

gini Prathishthan emphasized the celebrations of women's day by recalling as it as a tradition of 110 years and She firmly quoted " Women are born Entrepreneurs" as they born with creative and innovative thoughts.

The Women Entrepreneurship Platform would provide a vibrant entrepreneurial ecosystem where women do not face any gender-based barriers. The platform aspires to substantially increase the number of women entrepreneurs who will create and empower a dynamic new India.

It will provide opportunities to women realize their entrepreneurial , scale-up innovative initiatives and chalk out sustainable, long-term strategies for their businesses.

The other Vibrant guest of the day was Ms.N.Ambika IPS officer DCP zone 4. The forum was eagerly awaited for her to deliver speech and it was very heartening to hear that it's a art to balance personal and professional life.

She explained articles 354 and emphasized its importance. She also informed everyone regarding the Police Didi programme. She urged the students to be self-reliant and financially independent. She shared a couple of incidents regarding the effective use of social media and thus being a responsible and alert citizen.

She asserted that being in the police force is not just a profession, it is a way of life!

Dr. Jyoti Satpute, Cosmetologist Founder Director of 'Jovis' Institute believes in Think big, Dream Big, Believe Big and the results will be big as there is a burning desire in every woman.

N.Vaidyanathan, General Manger The Hindu, leading newspaper journal highlighted the the importance of reading newspapers for the Civil Services it has increased tremendously. Out of the Many newspapers are available in the market ranging from Hindustan Times to the Indian Express but The Hindu covers entire news very well from the national perspectives, international perspectives, science & technology and other issues in a holistic manner. Reading The Hindu newspaper is a crucial and indispensable part of IAS preparation, He advised students to always read editorials usually 2 given in the left margin and 1 in the centre and not to be skipped. Besides this there are some micro tasks which help you strengthen your reading skills like preparing a list of difficult words and writing down their meanings, which will help develop vocabulary

Kanchan Taksale(M.SC IT) rendition of poem was outstanding and the message was significant –  
“ Women represent the universe”

Ms.Smriti Takale proposed vote of thanks with special mention of Prof.Varsha Bhosle, Dr.Rohini Kelkar, Principal and Women's Development cell members for their continuous support and guidance for making this event a grand success.

Women's day was celebrated in a grandeur manner in association with The Hindu, Future India Club and Indus land Club



## SCHOLAR'S DAY

A famous Confucian principle reads thus: education breeds confidence; confidence breeds hope and hope breeds peace. VSIT in association with Parent Interaction Committee organized Scholars' day on Saturday, January 20, 2018 from 10 am to 11 am to felicitate those who topped their classes and also those students who showed consistent excellence in their academic performance. The scholars were invited with their parents for the program. The event began with a welcome speech by Dr. Sarika Chauhan and she welcomed the Principal, Dr. Rohini Kelkar and the Vice-Principals, Mr. Asif Rampurawala and Mr. Vijay Gawde. Additionally, the chief guest was also welcomed. The chief guest was the Principal of SIWS College, Dr. Usha Iyer. The welcome speech was followed by the Saraswati Vandana in reverence of the Goddess of Education and Wisdom. The Principal of VSIT, Dr. Rohini Kelkar congratulated the scholars and spoke to them about the importance of persistence. The chief guest, Dr. Usha Iyer also addressed the students and the parents. She enunciated on the quality of dedication and industry and her words of wisdom were well received by the scholars. The speeches were followed by the felicitation of the proud and deserving scholars. The students of BScIT, MScIT, BMS, BAF, BBI, BFM, BMM, MCom, MFM, MMM were felicitated in order by the Chief Guest and the Principal. The felicitation ended with a vote of thanks by Dr. Sarika Chauhan. It was an uplifting and heartening event for the scholars.

**“Scholarship is to be created not by compulsion, but by awakening a pure interest in knowledge.” -- Ralph Waldo**



## INTERACTION WITH DIVERSITY

NSS Unit of Vidyalankar School of Information Technology organized a colorful and interactive session “Conversation with Diversity” that provided a platform to students and teachers to exchange their views in terms of culture, ethnicity and the developments. The event was diligently organized. There was a soul to it. A soul that was vibrant, contagious and exuberant. This event was whole day long and was held in the auditorium of the college. In this mega event, delegates from Bangladesh were invited to visit the campus of Vidyalankar. At the entrance, students were standing in different ethnic costumes to welcome the delegates to set the mood for celebration. The grand show commenced with the arrival of 103 Bangladeshi citizens and welcoming them were the students with colorful handmade cards and flowers. There was a welcome performance by one of our students, Prajakta Rawool followed by lighting of the lamp. Prof. Vijay Gawde, Vice Principal and Programme Officer, NSS Unit of VSIT addressed the delegates. The delegates were felicitated with bouquets which were especially made by the NSS students showcasing their creative side. Prof. Vijay Gawde introduced all the dignitaries and expressed his gratitude for being a part of this memorable event. The Principal of VSIT, Dr. Rohini Kelkar also welcomed all the guests mentioning the common factors which both the countries share culturally. The dignitaries present for this event were Mr. Rajesh Uika, First secretary of High Commission of India in Bangladesh, Mr. Ajay Shinde, Representative official, Govt. of India at Regional office of NSS (Maharashtra & Goa), Mr. Madan and Ms. Pooa both are Section Officer of Ministry of Youth Affairs and Sports, Ms. Sandhya Deothale, State Directorate of NYKS, Mr. Yashwant Mankhedkar from NYKS.

The Chief Guest Mr. Rajesh Uika, encouraged the students with his warm and motivating words. He also expressed that events like this should take place more often, at the campus. He told the students that he would like these cultural exchanges to become a regular feature. Thereby, have us come closer to them and them to us. After which Mr. Ajay Shinde, introduced the NSS to all the delegates. He also spoke about its importance among youth of India. Delegates were also introduced to culture of Maharashtra, Mumbai, University of Mumbai and VSIT and other colleges on Vidyalankar college campus.

The main highlight of this programme was the interactive session which began with our moderators, Ms. Anindita Banerji and Ms. Rumeli Sharma presented array of questions asked by

our own VSIT students and teachers. Teachers and students of both the countries were eager to know about each other and share their thoughts, ideas and opinions regarding myriad topics. Our students asked questions regarding art, culture, films and also issues regarding animal welfare, technology, science and of course, cricket. The best thing was when the youth of Bangladesh poured their heart out about their love for Indian stars - both film and Indian music. The delegates from Bangladesh expressed themselves with lot of honesty and enthusiasm. It is being seen as an approach to build bridges between the youths of the two neighbours. There were doctors, artists, sportspersons, journalists, engineers, models, radio jockeys, humanities and science students, and social workers, among others which saw the prominent cultural and historical exchange with the youth of India in educational, business, IT and technological institutions. The guests also appreciated the efforts taken by students and teachers and were touched by the dedication and sincerity. The delegates were excited and eager to share their experience of visiting our country which they expressed during the interaction. The students conveyed their opinion in the most positive way. Majority of participants suggested that both countries need to work together as we share many relatable aspects, be it movies, music or art.

After the interaction, it was time to discover the art. There was singing, dancing, classical and modern combination of several feet tapping numbers. Everyone sat glued to the show. It was great to hear the Bangladeshi delegates sing Bangla songs and one of them performed Kathak. The variations and diversifications of cultures were shown by our student's performances in the form of dance and singing spreading the message of compassion. It was a truly mesmerizing show as the NSS team presented many programmes.

The Chief Guest praised the entire event a lot. It was followed by a formal vote of thanks and the event concluded. And this way, a beautiful interaction reached its logical conclusion. This event would not have been possible without the generous support of the management. VSIT sincerely expresses its gratitude towards the management for providing various opportunities to its employees. We cannot end this summary without mentioning the commendable effort and meticulous planning of the entire NSS team of students, Principal Dr. Rohini Kelkar, Programme Officer and Vice Principal, Prof. Vijay Gawde, Vice Principal Asif Rampurawala, Prof. Harish Noola, Prof. Anindita Banerjee, Prof. Umesh Koyande, Prof. Santosh Gupta, Prof. Vivek Gupta, Prof. Rumeli Sharma, Prof. Sagar Gaikwad, Prof. Ajay Poojari, Ms. Pooja Ghag and also the technical support made by Akshay.

**“We may have different religions, different coloured skin, but we all belong to 1 HUMAN RACE.” -- Kofi Annan**



## DEGREE DISTRIBUTION DAY

“Graduation is the celebration of the magnificent harvest reaped on sowing the seeds of hard work.”

The Convocation Ceremony was held on **Saturday, April 24, 2018** for the **graduates of 2017** at the college auditorium. The function commenced by invoking the blessings of Saraswati with the Saraswati Vandana.

The Principal of VSIT, Dr. Rohini Kelkar felicitated Dr. Dinesh D. Harsolekar with *pusthak suman* and delivered the welcome address. Her words for students were, “as graduates, it’s important to decide early what success in the workplace looks like, and understand that no one will be as interested in the results as much as you will be. It’s very rare that you’ll have someone looking over your shoulder every day to check on your career progress as entering new world of opportunities.”

Dr. Dinesh D. Harsolekar is the Director of Indian Education’s Society Management and College and Research centre, Bandra (W), Mumbai. He holds a post-graduate degree in Accounting and Ph.D. in Management and has more than 30 years of industrial, teaching, research and administrative experience. Dr. Harsolekar has conducted training programmes for the executives of many companies like ACC, Crompton Greaves and many more. He has published 2 books and written several articles and papers in journals periodicals and newspapers.

Dr. Dinesh D. Harsolekar made the convocation address. In his speech he said, “*This is the biggest milestone to date in the lives of the students, but they have many like this to be crossed*”. He further said that students must work hard to develop their skills and should consistently work with sincerity, which is the key to success and will help them to take right decision. Demographic Dividend is a phenomenon which occurs when the proportion of working population out of the total population is high, it simply means, “the economic growth potential resulting from shifts in a population’s age structure, mainly when the share of the working-age population (15 to 64) is larger than the share of non-working-age population (14 and younger, and 65 and older).” India is currently going through a phase of the demographic dividend, this peak will be reached in the early 2020s for India and specially focussing on technology, intelligence and competitive spirit.

Dr. Harsolekar emphasised on few areas where youth must concentrate as it will help to step up the ladder of success and they are

Decision – making

Patience and Perseverance

Team – achievers

Time – management

Discipline

Goal-setting

Grooming.

The total number of students received degree department wise are as follows:

BMS – 93, BAF – 75, BFM-24, M.Com-4, MMM-3 ,MHRDM-1,MFM- 11

The magnificent event ended with vote of thanks by the Vice-Principal, Mr. Vijay Gawde and his words for graduates were “Every end is a Beginning” and the celebrations continued with clicking pictures, refreshments and smiles everywhere.

Report by : Dr. Sonal Sharma

**“It is virtually impossible to compete in today’s global economy without a college degree.” --**

**Bobby Scott**



## TRAINING SESSION FOR JANAKALYAN

Vidyalankar School of Information Technology conducted a five-day Personality Enhancement Training Programme for select staff of Jan Kalyan Sahakari Bank Ltd. (JKSBL). The training was held between 23rd April and 27th April 2018. The sessions were of six and a half hours each day, from 10 am to 5:30 pm. It was participated by 23 staff members from JKSBL. Prof. Anindita Banerji, Prof. Rumeli Sharma, Prof. Ranjit Singh Anand and Prof. Lakshmi Pillai were the trainers for the programme. The objective of the training programme was to sharpen customer interaction, English speaking skills, personality development, grooming and to motivate the participants.

The first session began on a rousing note. The participants and the trainers introduced themselves to each other and the first activity was Picture Perception. The participants had to analyse the pictures present before them and explain what emotions and thoughts each picture enthused. The participants readily engaged in the analysis and the last picture of Indian soldiers with the tricolour moved the participants with patriotic fervour. This activity was followed by a screening of the climatic and poignant speeches in hit Bollywood flicks Padman and English Vinglish which involved protagonists speaking confidently in broken English. It was followed by a discussion on the English language, its significance and the Indian perception towards the language. This was done to delink the stereotypical importance that is usually given to the English language which leads to denunciation of the significance of national languages was addressed. Fluency in English language is a matter of practice and imperfections does not reduce anyone's capacity and this was the point conveyed to the participants. The participants were encouraged to supply English words and phrases in routine conversation to enable improvement in fluency and confidence in speech delivery. This session was followed by an extempore exercise. The participants had to select topics that were in chits in a bowl and deliver a short speech. The topics ranged from contemporary financial subjects to general filial ones. Speaking in front of an audience enabled the participants to feel more comfortable and confident. The trainers also delivered an extempore on the topics chose by the participants. Post lunch, Prof. Vivek Gupta explained important banking concepts to the participants, such as term deposit, RTGS, NEFT, DD and pay orders among many others. After this, a word formation activity followed through which the participants learnt new vocabulary words which can be incorporated into their routine professional and personal communication. The session concluded with a motivation video followed by a discussion.

The succeeding days were a strategic blend of activities, discussions and classes on subjects on varied topics. A session on personal grooming and essential workplace and personal etiquettes

was conducted. Practicing basic etiquettes on a daily basis makes for a more pleasant and respectable life. An object description activity ensued. The participants had to describe the objects before them in English and this enabled them to form correct meaningful sentences. The next activity, "Know Your Friend" was exciting for the participants who were split into pairs and had to find out information about each other and introduce their partners to others. The participants got to know each other better and also developed confidence speaking in front of others onstage. This day also concluded with a motivational video followed by a discussion

Memory game played on the third day was quite interesting. The objective was to familiarize the participants with office supplies and other objects that one usually encounters every day. The participants had to write the correct spelling of the items. Clips from Rocket Singh and Charlie Chaplin's Modern Times were screened to motivate the participants. A session on spoken English and tricks to improve routine conversation and create a rapport with the client. The participants learnt many new words and began to incorporate it in their conversation during the programme itself. An activity on 'identify a famous personality' was done in order to enhance their analysis of non-verbal communication.

The participants took part in a talent's day on the fourth day and presented their talents. It was an enjoyable session and boosted the participants' confidence. A class on essential banking mathematics was conducted by the Vice-Principal Prof. Vijay Gawde. The participants were also taught telephonic conversation skills in order to enhance their interactive skills with customers. After being taught about strengths and weakness, the participants had their introductions recorded with the help of Prof. Ajay Poojary and a stark improvement was noticed in comparison to their introduction on the first day.

On the final day, the students of FYBMM who were part of an acting and theatre workshop presented three plays on social issues before the participants. Certificates were awarded to the participants on the successful completion of the programme. Vice-Principal Prof. Asif Rampurawala awarded the certificates and encouraged the participants to practise the lessons they have learnt in this workshop. The participants thanked the trainers and the institute for the programme and promised to incorporate the values and lessons they learn in their routine professional and personal interactions.

Report by :Lakshmi Pillai

**"It's a miracle that curiosity survives formal education." -- Albert Einstein**



## FDP SESSION

A Faculty Development Programme was organized from 5th May to 11th May, 2018 at Vidyalkar School of Information Technology. This was a six-day Faculty Development Programme where various topics related to “Preparing a Teacher for Different Roles” were discussed in detail by eminent educators thus a beneficial academic environment was experienced by the participants. The FDP aimed to provide opportunities to faculty members and research scholars to enrich their teaching skill and to develop the knowledge of participants in their relevant field for inculcating learning values in students and guiding and monitoring their progress. The FDP was attended by 30 participants from faculty members of Information Technology, Commerce, Management and Communication Department. The event was co-ordinated by Prof. Ashwini Koyande.

### THE ROLE OF A TEACHER AS A MENTOR (5/5/2018)

DR. MANOJ BHATVADEKAR

The FDP commenced on May 05, 2018 where the speakers were invited by the Principal, Dr. Rohini Kelkar, Vice-Principals Prof. Vijay Gawde and Prof. Asif Rampurawla and Adjunct Faculty Chandras Deshpande and Makarand Deshpande. The first session started with the introduction of the resource person by Prof. Ranjit Singh Anand. Dr. Manoj Bhatvadekar has delivered keynote address on Teacher's part as a Mentor. Dr. Manoj Bhatvadekar talked about different roles of a teacher as a mentor during the course of his/her mentoring relationship. A teacher has to act as a sounding board for ideas/concerns into possible opportunities and provide support on personal issues, if appropriate. The mentor has to be empathetic towards his/her mentee. Any form of communication between a mentor and a mentee has to be a two-way process for which the mentor has to look on the reflection of his/her own personality and identify resources to help mentee enhance personal development and expand the mentee's network of contacts. The session ended with a vote of thanks rendered by Dr. Pashmeen Kaur Anand, Assistant Professor, VSIT.

The different roles of a teacher were explained by the various experts

The Role of a Teacher as an Effective Presenter and Communicator (7/5/2018) by Mr. . Pramod Palekar.

The Role Of a Teacher as an Instruction Specialist (8/5/2018)

By -Dr. Abhijit Phadnis ,Mr. Pramod Palekar and Mr. Jameer Mokashi.

The Role of a Teacher as a Researcher (9/5/2018) ,

By- Dr. Binilkumar Sreeraman

The Role of a Teacher as an Instruction Specialist (C++) (9/5/2018)

By -Dr.. Abhiram Ranade

The Role of a Teacher as a Leader (11/5/2018 and 12/5/2018)

By- Mr.Girish Patwardhan and Dr.. Mangesh Karandikar

The FDP was indeed an educative and interesting experience for the participants.

Report by :- Rumeli Sharma and Lakshmi Pillai

**“The task of the modern educator is not to cut down jungles but to irrigate deserts.” – C.S.Lewis**



# V MEET

Alumni Committee organized Alumni meet, V-Meet as the reunion of 2012 and 2013 pass-out batches on 12th May, 2018 Saturday from 6.00 p.m. to 8.00 p.m. at Auditorium.

VMeet May, 2018 invited Alumnus are: -

All Winners/Participants of Alumni Premier League (Cricket Match) are invited for the felicitation.

2017-18 Academic year Alumni members who have been the Guest Speakers of Workshops, Guest Lectures, and Value added course conducted (Tally and Android).

Alumni members visited the institution for the Final Year Project Mentoring.

VSIT Alumni Association members.

Report by : Shajik Kumar

**“First you are a part of it , Then it becomes a part of you.” – Sigma Kappa**



## NSS CAMP

Like every year the NSS unit had organized a camp for the NSS volunteers for a week from 6th May 2018 to 12 thMay 2018. The venue for the camp was Zilla Parishad School ,Rajodi village – Kalamb, Taluka Vasai. It was participated by 39 volunteers and seven faculty members .

The NSS team reached the destination at 2pm on 6thMay 2018. To streamline the activity , the students were divided into five groups of six each. These groups were named after the theme of Digital India.

The main theme of this camp was to instill the seeds of social service among the students

The schedule of the camp was meticulously planned by Prof. Vijay Gawde, programming officer , NSS and Mr. Harish Noula. The students were made to get up early in the morning for exercise , which was followed by prayer, NSS song and National Anthem. After this the students were assigned for the field work of construction of Road at Rajodi. In the evenings students were given sessions on different topics to develop the personality of the students .

Day 2 session – On street Play – It was conducted by Mr. Sachin Patil

Day 3 session –Road Safety – Volunteers SAFE KIDS FOUNDATION –The objective of this session was to bring awareness among the students about the importance of Road Safety Rules and at the same time to know the dire consequences of violating these rules. This session was followed by an interaction with Ms. Sindhu Krishnan , commerce department, on VALUES.

Day 4 session – Advocate Vinod Jagtap oriented the students on superstitions and appealed students to think rationally and scientifically.

Day 5- A session of Effective Communication was conducted by –Mr. Umesh Koyande, In-charge – IT Department. He made them aware of the place of effective Communication to succeed in life.

On the fifth day of the camp i.e on 10 th May 2018 , the volunteers completed the construction of the Road . In the evening the team NSS was being taken to Kalamba Beach for a session on Astronomy ,by a professor from Ismail Yusuf College and Member of ISRO.who spoke about the stars and Galaxies . The Volunteers viewed the planets through High –End Telescope.

The 6th day of the camp was exclusively spent for Beach cleaning. Each group was assigned with a section of the Beach.This day was also marked by the Visit to Arnala Fort. In the night all the groups were made to perform ---Street play, Dancing and Singing.

On the concluding day ( 7th day ) i.e on 12 th May 2018 , all the Volunteers assembled at Kalamb Beach and performed Yogasana. This was followed by a game , “ Passing the Parcel “ . The team NSS headed towards the headquarter Mumbai.

Throughout the camp the students were out of their comfort zone – a permanent characteristics of personality development.They got up early in the morning, did exercise, prayers, field work. They had to do their own work-cooking, washing, cleaning and serving, which made them self reliant, inculcated the values of sharing and caring – which gave them a sense of confidence. To top it all they were educated on different important topics. The Camp instilled self-confidence apart from their noble service to the NATION ----NOT ME BUT YOU

Report by : Snehaprabha Katti

**“Earn your success based on service to others , not at the expense of others.” – H. Jakson Brown**



## MAKING PAPER BAGS

The NSS volunteers of VSIT made paper bags in the summer vacation. This activity took place from 16th May to 25th May 2018. The students brought newspapers and homemade glues to prepare the bags. About 10, 000 bags were made by the students. These paper bags were then distributed in the vicinity of Wadala shops and vegetable vendors. This was done to encourage the paper bags and ,” SAY NO TO PLASTIC” to save the environment and humanity on this earth

Report by :- NSS Students

**“Plastic is bigger killer than Man.” -- Anthony T. Hincks**



# WORLD WATER DAY

The NSS volunteers observed WORLD WATER DAY on 22nd March 2018. This activity was participated by six boys and three girls. They took pledge at Juhu Beach to save water.

Report by :- NSS Students

**“All over the world water is regarded as precious as life itself.” – Nelson Mandela**



## SPORTS SPECIAL

Sr. No.	Full Name of the student		Present course& Roll No	Sports	Medal/ Rank
	Surname	First Name			
1	GHANEKAR	DARSHAN	T.Y.B.F.M 15304A0001	Gymnastic	Bronze in All India and played Federation National Level, selected for Khelo India at university level and senior national
2	MOPPANAR	SOMUSHANKAR	M.Sc.IT 16306A1020	Fencing (epee,foil)	1Gold,1 Silver at University and played All India and won gold,Silver in senior State
3	ANANDE	MITHIL	T.Y.B.Sc.IT 15302A0078	Chess	Won silver in Maharashtra State and selected for National

4	KELLU	UMESH	F.Y.B.SC.IT 15302C0061	Fencing (epee,foil)	Bronze in All India
5		VENKATESH	T.Y.B.sc.IT 15302B0039	Fencing (epee,foil)	Gold (Selecte d for All India)
6	Jain	Bhavika	T.Y.B.sc.IT 15303A0053	Tug of war	played All India
7	CHELLAPERUMA L	SANJU	FYMsc-IT 17306A1020	Tug of war	Bronze and played All India
8	NADAR	DINESH	TY Bsc-IT 15302D0026	Tug of war	Bronze
9	GUPTA	SAHIL	SY BAF 16305B0053	Tug of war	Bronze
10	SHIRGAONKAR	SHAHROKH	FY Bsc-IT 17302C0006	Tug of war	Bronze
11	YELE	ADITYA	SYB.F.M 16304A0034	Tug of war	Bronze
12	KOLI	DURVESH	SYBsc-IT 16302C0002	Tug of war	Bronze
13	GHOSHHANDA	SOURAV	SYBSc-IT 16302C0007	Tug of war	Bronze
14	ACHARI	SARAVANA	SYBsc-IT 16302B0053	Tug of war	Bronze
15	REDDY	KARAN	SYBAF 16305B0017	Tug of war	Bronze
16	NEVGE	AMEY	S.Y.B.M.S 16301A0065	Best Physique	Fourth
17	REDDY	KARAN	S.Y.B.A.F 16305B0017	Best Physique	Six



# TANTRAVIHAR

Final Year Project Quality Assurance Committee of VSIT organized Inter-Collegiate Project Exhibition and Competition - "Tantra Vihar 2017" on Monday,

The students of Information Technology, Commerce and Management exhibited their projects. This Exhibition maintained different tracks for IT and Commerce and Management

1st Prize in Tantra Vihar : VCMT Website

The website is designed for VCMT, Vidyalankar two day National Multidisciplinary Conference. The project was developed by Rishabh G. Shanbhag and Omkar Asawale from SY B.Sc-IT under the guidance of Ms. Mithila Satam. It took approximately 2 months and 23 prototypes/versions of the website to get the final product. This website was built using Bootstrap, HTML and PHP not just to be robust but also to provide an intuitive experience to the user. By implementing Bootstrap, we enable a mobile friendly environment. As it is a live project, it takes care of the various requirements stated by the institute, the available network for user and rules set by conferencealerts.in (domain consisting alerts for various conference been held at international and national level). The website address is [www.vcmt.co.in](http://www.vcmt.co.in).

2nd Prize: Multifunctional Robot

Multifunctional robot is used for gas leakage sensing, measuring temperature, smoke sensing, bomb detection(metal detector), humidity measurement etc. is done. This robot is very useful in industries where maintaining temperature is important and even moisture, gas leakage maintenance is important. Military use is done for detecting bomb has it has a robotic arm it can pick objects or cut wires. Malls, offices various uses are there. Instead of using human, power robot can sort things fast. This Project is designed by Ms. Dhanashree Gharat and Mr. Akshay Rane under the guidance of Mr. Umesh Koyande.

3rd Prize: Online Project Monitoring System

Online Project Monitoring System is a website for monitoring the Final Year TYBScIT projects done by the students. There are three levels: Admin, Project Guide and Student. The admin can view the overall site, add or delete project guide and students. Students can be allocated to guides. Project Guide can view the projects under them, the progress of different phases of the projects. Students can enter data about their own project. The project diary contents can be uploaded and view by the guide. This project is developed by Mr. Aakash Mane and Mr. Sahil Bagkar under the guidance of Mrs. Pushpa Mahapatro.

Report by : Lakshmi Pillai

**“Academic success depends on research and publications.” – Philip Zimbardo**



## EINSTEIN'S BIRTHDAY

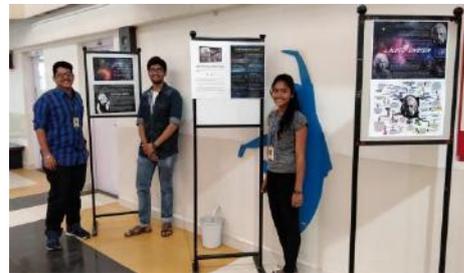
On occasion of Einstein's birthday, Electronics and Mathematics Cluster of VSIT has organised a Poster Exhibition. In the Exhibition on 14th March 2018 at VSIT Tree Area. On this occasion various posters were displayed which were prepared by the F.Y.BSc.IT students on the topics like History, Various inventions and Discoveries, True Facts, Quotes, Life lessons of a great scientist, Einstein under the guidance of Ms. Aasha Chavan, Ms. Geeta Sahu and Mr. Umesh Koyande.

Also, one small presentation on the timeline of Albert Einstein was prepared by Ms. Amraja Shivkar and was displayed on projector in tree area.

The motto of the activity was to create awareness among the students about the inventions and research work of Albert Einstein.

Report by : Ms. Asha Vanave

**“You have to learn the rules of the game. And then you have to play better than anyone else.” –  
Elbert Einstein**



## CODING AND DECODING

Coding and Decoding Competition activity was conducted by the Software Development Cluster of VSIT for students based on subject of Object Oriented Programming. It was conducted on 15th March 2018 at Lab X120 , X121

The students were asked to accomplish two tasks in the given one hour viz. (1) Error had to be found out from the code given and (2) Program had to be coded from the question given.

This activity tested the students' skills related to C++ programming. It gave an opportunity to the students to show their coding skills and test their knowledge. It was like a mini exam. Participation by the students in these types of activities enhances their knowledge and also boosts their confidence in appearing for the actual examination. It acts as a prelude to the prospective examinations. It was quite apparent that the students had taken this activity quite seriously and were deeply engrossed so that they could present the output without any flaws.

Report by : Ashwini Koyande

**“Truth can only be found in one place: code.” – Robert C. Martin**



## SPOKEN TUTORIAL

VSIT has been conducting online test with course material provided by IIT, Bombay since Feb-2017 for students. During which more than 150 students have been certified in various subjects from Dec-'17 to Apr-'18. This tutorial was conducted in the Lab X-103, X-114 and X -121

Laboratory Development Committee has made provision for downloading the Spoken Tutorial Course videos from <ftp://172.16.4.1/vsit/SpokenTutorials/>. Alternatively, Spoken Tutorial Course videos could also be downloaded from Spoken Tutorials website [http://www.spoken-tutorial.org/create\\_cd\\_content/](http://www.spoken-tutorial.org/create_cd_content/).

All VSIT IT students had been informed on 23/02/18 about this project. Also, the information had been given about the link to download the video lectures. On various days their online exams for various subjects had been organized. The details about their online exams are as follows:

Report by : Bina Kapadia

**“Any sufficient advanced technology is equivalent to magic.” – Arthur C. Clarke**



## ACADEMIC ADMINISTRATION PLAN WORKSHOP

The software development cluster of VSIT had organised AAP presentation for the cluster on 2nd May 2018 at X-018. The presentation was carried out in the presence of Mr. Anil Joshi, Industry mentor and Hiren Dand, Academic mentor. It was attended by Ms. Pallavi Tawade, cluster mentor VSIT and other members of the cluster: Shajil Kumar, Seema Bhatkar, Rishikesh Tendulkar, Ashwini Koyande, Shobha Nalawade, Snehal Tandale and Ketaki Ghawali

Details Of Industry Mentor – Mr. Anil Joshi is a Software consultant with 27 years of experience in the IT services industry in the areas of Software Application Development, Support & Maintenance, Process Consulting, Application Portfolio Rationalization (APR), Project Management, Engagement Management, Pre-sales. He has also worked in Godrej Infotech Ltd. for 16 years and then with Capgemini for 11 years with industry recognized certifications like.

Certified Scrum Master with experience in mentoring Agile projects.

Certified on ITIL process framework – ITIL Foundation Certification

Details Of Academic Mentor – Prof. Hiren Dand is currently the Co-ordinator of Department of Information Technology at Parle Tilak Vidyalya Association's Mulund College of Commerce. He has obtained his B.E. in Electronics Engineering from Thadomal Sahani Engineering College, Bandra, Mumbai University and M. Tech in Information Technology from AAIDU, Allahabad now known as Sam Higginbottom Institute Of Agriculture, Technology and Sciences. He is presently pursuing his Ph.D in Mobile Cloud Computing. He has over two decades of teaching, research and industrial experience. He has worked with Computrain I.T. (India) Pvt. Ltd. He has published various research papers, national and international. He is the member of syllabus committee of B.Sc. IT and M.Sc. IT, University of Mumbai. He has worked in various capacities at University of Mumbai. Presently he is a Member of Adhoc Board of Studies in IT.

Details of the Event - AAP workshop for Software Development Cluster started at 10:45 am with Imperative Programming subject which was presented by Prof Shajil K and Prof Seema B. Some important tips were given by the industry mentor for practicals. Doubts and Queries were asked both the guest and important topics like Socket Programming and Advanced C concepts like file handling to be taught for 3rd year projects. Some real world examples must be given for pointers. Next session of Data Structures was presented by Prof Hrishikesh T and Prof Sunita Koli. They explained to both the mentors how the new subject could be taught to the students and what are the changes done in the syllabus for the subject. Suggestions were given by the mentors like students can be given real life problems like 8 Queen's problem or 64 Knights moves in a

ChessBoard.

After Data Structures subject the session was continued by Prof Ashwini K and Prof Shobha N who presented the AAP for DataBase Management Systems subject. The inputs given by the industry mentor were about some external courses like MongoDB, NOSQL, Hadoop etc. Mentors also suggested of some courses from Microsoft and additional knowledge can be given to the students on how large database design can be created

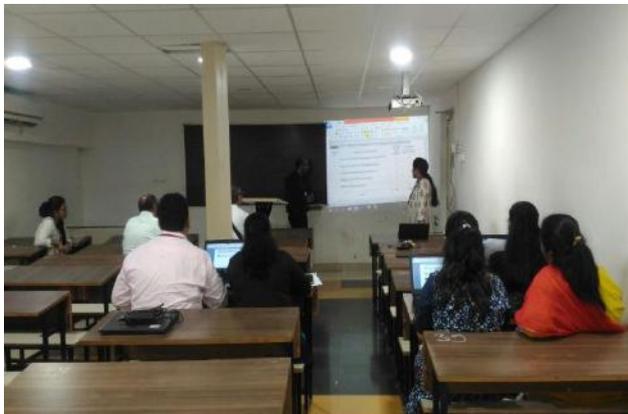
The next session was conducted by Prof Snehal T who presented the AAP for Python Programming subject. The inputs given to them was of uploading, creating website using Python language. The industry mentor also suggested of explaining the students some important topics like Configuring IIS or Web Server, Immediate Requirements like Email application etc. He also suggested for conducting some extra BSA lectures.

The last session was presented by Prof Ketaki G for the subject of Mobile Programming (Practicals). The industry mentor gave the suggestions of including the practicals like how to connect external applications like Google Maps etc.

The AAP workshop concluded with the felicitation and vote of thanks and a group photographs of both the mentors along with the cluster mentor and the faculties.

Report by : Spruha More

**“Plan your work and work your plan.” – Napoleon Hill**



## WEB DESIGNING

Corporate Communications Committee organised a Value Added Course on Website Development, Deployment and Maintenance using HTML5 and Bootstrap for second year B.Sc. IT students, on 6 th May 2018 at Laboratory 114

It was conducted by Ms. Seema Bhatkar and Ms.Ketaki Ghawali, Assistant professor at VSIT.

The course was conducted on 6th , 7th , 14th June 2018 from 2pm to 5pm and on 18th ,19th 23rd June 2018 from 9am to 12noon. Total 24 students have enrolled for the course. Each student has charged Rs.700 as course fees.

On the first day HTML5 tags and CSS concepts were covered. Using these concepts students has designed static webpage. On the second day more enhanced topics of CSS were taught. On the third and fourth day we taught students how to design responsive website using bootstrap framework. On the same day students have implemented the bootstrap framework for the webpages that they had designed on the previous day. Entire fifth day was utilized to host the website on the free domain.

At the end of the fifth day Ms. Pallavi Tawde, Software Development Cluster Head, Assistant Professor at VSIT distributed certificates among students.

Report by : Seema Bhatkar

**“Design is the nexus where technology meets creativity.”**



## IV TO FIAT

Electronics cluster of Vidyalankar School of Information Technology, Mumbai had organized an Industrial Visit for students of BSc IT to FIAT India Automobiles, Pune on 1st March 2018. It was participated by 38 students and 2 faculty members, Mr. Umesh Koyande and Ms. Amraja Shivkar were part of this Industrial Visit.

Students were asked to be present at the pick-up point Dadar (E), Near Swami Narayan Temple. A bus was booked for the Industrial visit from pick-up point. The journey started sharp at 5 am in the morning and the group reached the venue at around 11 am with a halt for breakfast.

Fiat India Automobiles PVT.LTD was commissioned in Pune in the year 2007. The industry has 270 acres with average employee strength of 3000-5000. This company mainly focuses on manufacturing, design, assembly, of various parts of the car.

Power-Train department mainly focuses on the various manufacturing parts of Engine. This department also has various processes like it also helps in giving proper tools for that particular operation. Through their revolutionary technologies, performance and craftsmanship, they always aim to push boundaries. In Powertrain Operations, they have responsibility for introducing all FIAT Vehicles new engine programmes, using cutting-edge manufacturing processes, equipment and facilities to support engine manufacture here in Pune.

India is projected to be 3rd largest market in the world. In year 2014 Fiat achieved a year over year increase of 292%, making them the fastest growing brand in India Fiat Brand grows after restructuring and refreshed/new models. Introduction of Jeep Brand in 2015.

Students were also explained a detailed process of various operations that takes place in the process of manufacturing design of an engine. There are various departments like Manufacturing, production, design, Quality Control, Heat Treatment in each of these departments we were given brief ideas of how the process takes place and how the final car is tested with customer centric requirements.

Students got opportunity to see the actual assembly of FIAT Cars where there are 144 stations in which the car has to go through thorough inspection and finally the car is sent to the showroom for sales.

The Visit was over by 3:00 pm. After the visit the group had lunch together and all reached

Mumbai by 10 pm.

Report by : Umesh Koyande

**“There exist limitless opportunities in every industry. Where there os an open mind, there will always be a frontier.” – Charles Kettering**



## IV TO CETTM

Networking Cluster , VSIT organized a visit to Centre for Excellence in Telecom Technology and Management (CETTM) on 17th March 2018 at POVAI. It is a telecom training Centre of MTNL, the incumbent operator of Government of India (GOI). It was founded in 2003 as one of the largest telecom training centres in India and amongst the biggest in Asia.

The Centre provides extensive training to corporates and students besides MTNL's internal employees in telecom switching, transmission, wireless communication, telecom operations and management. This educational visit was attended by Mr. Rajendra Patole, Prachi Mahajan, Pushpa Mahapatro.

During the entire visit, CETTM members guided and escorted the Team VSIT.

We first visited the Switching lab where we learned the process behind the telephone exchange. We were then taken to the Transmission lab where we were made aware of how exactly the process of transmission takes place, the different types of transmission media, how efficient and fast the fiber-optic cables are and how the fiber-optic cables work on the basis of refraction. After our lunch break we quickly assembled to get into the GSM lab, here the professor gave us a quick brief on IMEI, IMSI, MCC and about networks. Then he explained the working and the use of a BTS (Base Transmission Station) and how in rural areas renewable sources of energies are used in case of a power cut. Lastly we went to the Broadband lab we were told about the basics of Narrow bands and Dial up Internets. The professor there then explained us about DSC and ADSC and showed us DSLAM and Broadband Remote Access Server (BRAS) and their working. This Industrial Visit helped to gain a lot of knowledge and would certainly be helpful to us.

The main CETTM building has Eighteen lecture halls, Eight computer labs, an auditorium, conference hall and library. It has technology labs for Broadband (ADSL), SDH, OFC, MPLS, ISDN, A/V, OCB 283, Digital UHF/MW, GSM, DWDM. The Centre has functional GSM/BTS & PSTN exchange model, and also organizes study tours to MTNL's TAX/TANDEM exchanges.

Out of all the eight computer labs we visited four laboratories.

Report by : Rajendra Patole

**“Anyone who stops learning is old, whether at twenty or Eighty.**

**Anyone who keeps learning stays young.”**



# REPORT ON OOPS

S/W Development Cluster organized Guest lecture for FYBSc IT students on 10th March, 2018. Mr. Suchit Sunil Khandagale, Consultant, Deloitte was the resource person. The venue for the lecture was Y-Block seminar Hall

Resource person explained object oriented programming the objects can have state (data) and behaviour (function).

The behaviour specifies what the object can do, and it is usually conditioned by its state.

The state can be represented by any member or static variable, and it will depend of the definition of the class the object is instance of.

It was followed by the explanation of 4 Pillars of OOP / 4 Major principles of OOP. It was followed by the explanation of

Design Principles/Pattern:

1) Favour HAS-A over IS-A.

IS-A Relationship:

This refers to inheritance or implementation.

Expressed using keyword "extends".

Main advantage is code reusability.

HAS-A Relationship:

Has-A means an instance of one class "has a" reference to an instance of another class or another instance of same class.

It is also known as "composition" or "aggregation".

There is no specific keyword to implement HAS-A relationship but mostly we are depended upon "new" keyword.

2) One Class, One Responsibility.

A class should have one and only one reason to change, meaning that a class should have only one job.

3) Strive for Loose Coupling.

Always go for loose coupling over tight coupling.

4) Singleton.

The singleton pattern is a design pattern that restricts the instantiation of a class to one object.

The singleton pattern is one of the simplest and most commonly used design patterns.

5) Factory Methods.

Factory method is a creational design pattern, i.e., related to object creation. In Factory pattern, we create object without exposing the creation logic to client and the client use the same common interface to create new type of object.

The idea is to use a static member-function (static factory method) which creates & returns instances, hiding the details of class modules from user.

Report by : Shajil Kumar

**“Minds are like parachutes, they function when they are open.” – James Dewar**



## VALUE ADDED COURSES

Report on Value Added Course on

### 1. Photoshop

Our college had organized a value added course in Photoshop comprising of more than 20 hours with max students intake of 20 only. In those 20 hours students had an exhaustive and in depth knowledge of Photoshop coupled with great fun too. Students learnt a lot of things including creating logos, pamphlets, editing images, creating pictures to be used in advertisements etc. Students were fortunate to have professional from industry Ms. Ujwala Satam who had the knack of imparting knowledge through simplified means her vast knowledge helped students to gain valuable insight into the intricacies of the diversified topics that were covered. Students took home with us pleasant memories that shall linger on forever with them. Such value added courses aid students in satiating their inquisitiveness in topics which are different from the academics. This course will also go a long way in creating things within the college campus like preparing banners, college magazines etc. It will also help students when it is embark on professional career. We hope that our college comes out with many such add-ons to improve students' skills and increase their knowledge which will enable them to face the enormous competition in the industry.

### 2. Basic SAP for IT and Management

The course had the total of 20 students with the duration of 20 hrs, the topic covered as part of the course content was: For both functional and technical course, there was a common introduction to business processes and how the business functions in an organization work in a collaborative manner. The function of sales, marketing, production, stores, finance and purchasing departments were covered. This was followed by a role play depicting the collaboration of the various departments in an organization. This was followed by introduction to SAP where all the business functions are integrated.

Subsequently the course flow was different

Functional:

1. SAP enterprise structure was introduced
2. Students were introduced to SAP customization and master data
3. This was followed by introduction to Order to Cash business process and its implementation in SAP
4. This was followed by introduction to Procurement to Pay business process and its implementation in SAP

## 5. Assessments

Technical:

1. Introduction to SAP ABAP
2. Introduction to Data Dictionary - domain, data element and fields
3. Introduction to different programming syntax - If, While, do , case statement
4. Introduction to Types, Data types, Internal tables and work areas.
5. Coding and significance of various sections and events in SAP ABAP.
6. Go through Sales-order and Deliver programs in ABAP.
7. Assessments

Report by : Geeta Sahu

**“The essence of knowledge is having it ; not having it, to confess your ignorance.” – Confucius**



## R&D COMMITTEE ACTIVITY

Sr. No.	Faculty Name	Review	Title	Date
1	Mithila Chavan	Paper	Loving AI:- Humanoid Robot as Agent of Human Consciousness	7th February 2018
2	Rajendra Patole	Book	Patras Karan Ki	26th February 2018
3	Sunita Kohli	Book	Stephen Hawkins –A Biography	19th March 2018
4	Sylvi Demonte	Tech	Meta Cognitive Strategy	21st March 2018
5	Seema Bhatkar	Tech Review	On Using Google forms for Quiz Creation	03 <sup>rd</sup> April 2018
6	Snehal Tandale	Research Paper		2nd April 2018
7	Payal Shah	Paper Review	A Game Taboo	4th April 2018



---

### Newsletter Committee:

*Sanjeela S, Snehaprabha Katti, Laxmikant Manchekar, Ketaki Ghawali, Seema Bhatkar*

---