VESIT Connect

Since 1962

Contents

Awakening the Scientist

Awakening the Scientist is an opportunity given to the First year students take the first step in transformation of a student to a professional. This competition was conducted in from 18 January to 31 January 2017. While Rakshit Ganvir from D4A was judged the Best Speaker, Mitesh Goplani (D2B) and Shubham Annigeri (D4B) were declared as the Most Promising Speakers.

GROUP MEMBERS	TOPIC	GROUP NO.	PRIZE
Paramvir Ramola (D2A) Rahul Devadiga (D2A) Devang Liya (D2A) Ketaki Buwa (D2A) Mitesh Goplani (D2B)	Brain Computer Interface Device	5	1st
Sonal Sharma (D4A) Rakshit Ganvir (D4A) Shivani Gole (D4A) Harish Muthalagam (D4A)	Stephen Hawking's Computerized Wheel Chair	7	2nd
Ujala Jha (D5) Vishakha Vidhani (D2A) Manali Gupta (D2A) Ruchika Motwani (D5)	Printers	2	CONSOLATION

Faculty Development Program (FDP) on EPNCVII

A FDP on Embedded systems, Power Electronics, Networks, Communication, VLSI and Industry Interaction Organized by Electronics Engineering, VESIT was held from 04th January 2017 to 11th January 2017. Prof. Asawari Dudwadkar, from the FDP In-charge.

Day 1 Session 1 : Topic: Theory session on Introduction to Network Security
The session started with History of network Security which includes traditional security techniques, physical security, communication security, computer security, network security, information security. The video on security made the session more interesting.
The following topics were covered during this session:
- Various solutions to problem were discussed like antivirus software, access control, firewalls, smart cards, biometrics, intrusion detection policy management, vulnerability scanning, and encryption.
- Discussion on common mistakes that occurs while setting a password.
- Various threats, attacks and ethical hacking
- Denial of service, transmission failure, connection flooding, ping of death, traffic rejection, DNS attacks.
Solutions to above problem were also discussed.
- SSL encryption, IPSec, firewall, alarms and alerts and honey pots.

Session on Introduction to Network Security

Demo on NTOP & ZEN Map Advance network tools

Day 1 Session 2: Topic: Demo on NTOP & ZEN Map Advance network tools
The basic objectives of NTOP are to learn the basics of network traffic management understand the concept of traffic load monitoring and protocol statistics and to install and configure network traffic tool.
System Requirement: Workstations installed with Unix/Linux Fedora Core/ Ubuntu and Windows XP NTOP latest version ntop is the best tool to see network usage in a way similar to what top command does for processes i.e. it is network traffic monitoring software. It gives network status, protocol wise distribution of traffic for UDP, TCP, DNS, HTTP and other protocols. ntop is a network probe that shows interactive mode, it displays the network status on the user's terminal. In Web mode, it acts as a Web server, creating a HTML dump of the network status. It sports a NetFlow/sFlow emitter/collector, a HTTP-based client interface for creating ntop-centric monitoring applications, and RRD for persistently storing traffic statistics Network Load Statistics.

Demo on NTOP & ZEN Map Advance network tools

Zenmap

The basic objective of Zenmap is to learn the network audit tool.

System Requirements: Workstations installed with Unix/Linux Fedora Core/ Ubuntu and

Windows XP, Nmap latest version, NmapFE latest version, Zenmap latest version. Zenmap. Gives idea of what is up/down, what OS a device is running, or what ports are open. The Zenmap tool is actually a graphical front end for the very popular Nmap command line tool. Nmap is an open source tool for network security and auditing. Nmap is incredibly powerful, when working with larger networks.

Day 2 Session 1: Topic: Theory session Introduction on Low Power RISC Devices

The main objective behind organizing this session was to discuss the concept of ARM and cortex .The session is very interesting and informative. Madam explained the Design approach of low power devices: Complex Instruction Set Computers (CISC) and Reduced Instruction Set Computers (RISC). She also covered MSP430 typical applications, MSP430-based system, and Architecture styles: Harvard & Von Neumann.

The brief Summary of ARM, key features, resisters, programmer model, current program status register, and ARM development tool, 3-Stage ARM Pipeline and ARM CORTEX Series M3, R4 & A8 was also discussed.

Day 2 Session 2 Topic: Embedded cortex Kits Demo

Mr. Chintan (Edutech Technologies) conducted a session on Demonstration of Educational Practice Board LPC1768.

The EPBLPC1768 is a stand-alone card--allowing developers to evaluate the NXP LPC1768 32bit ARM Cortex-M3 micro controller to determine if it meets their Application requirements. To simplify code development and shorten debugging time, aLPCXpresso with driver is provided. It provides assembly language and 'C' high level language debug. With the help of above demonstration concepts of RTOS can be simulated.

Following are features of Kit related to RTOS Lab/Experiment

- The RTOS lab is specially organized to provide a complete spectrum of Real Time Operating System concepts, its implementation and case studies of various hardware platforms.
- This lab considers two RTOS brands - μCos and FreeRTOs.
- The platforms which are considered to implement RTOS concepts and case studies includes the LPC2148 (ARM7), LPC1768 (Cortex-M3) and STM32407 (Cortex-M4).
- Apart from the RTOs and platforms the labs features a special RTOS analyzer tool to enable the students to understand the RTOS concepts practically.
- Eclipse IDE is used to compile & implement various RTOS examples practically.
- Apart from above, the lab also uses the external peripherals like LED and LCD to demonstrate the working of RTOS concepts.
- Thus the Embedded RTOS lab provides complete spectrum of resources to enable the proper study of RTOS concepts, its working, real time examples and software tools required to implement the RTOs on different hardware platforms.

Along with that some concepts of RTOS such as multitasking, semaphore, context switching are explained in demo session.

Embedded cortex Kits Demo

Day 3 Session 1: Topic: Theory session on Statistics for communication

The main objective behind organizing this session was to discuss the concept of Probability. The session was very interesting and informative. Madam started with basic concepts of probability where she covered topics like Random variable, Random process.

Different types of sampling techniques and data collections like stratified sampling and cluster sampling was explained.

Difference between observational and an experimental study with various real world examples was discussed which made the session more interesting.

The possible ways of Misuse of statistics was told which made us alert about it.

Day 3 Session 2 Topic: Demo Power Electronics kits: Speed control of Induction motor

The talk for the above mentioned topic was organized for faculties of Electronics engineering department as a part of FDP (Jan 2017). This session was a combination of lectures and relevant laboratory sessions. Lecture

1: Torque Speed Characteristics of three phase induction motors.

2: Analysis of speed and torque control of induction motors.

3: Need of speed control and torque control in various applications

4: Role of Power Electronics In Speed Control

5: Advantages of (v/f) method of speed control of three phase induction motor

Laboratory session

1. IGBT controlled ac motor drive with VVVF control

2. SCR based dc motor control with tacho generator and armature feedback circuit

Day 4 Topic: Industrial visit to Adtron Technologies Ltd.

Resource Person: Mr. Mandar Joshi from Adtron. The Venue: Advance Electronic Industries(ADTRON), 1/135, Nahar and seth industrial estate, Pannalal Compound, L.B.S. marg Bhandup (w) Mumbai 78

Advance Electronic Industries is promoted by highly qualified and experienced engineers with a basic idea of giving quality high – tech products at minimum cost, mainly in the field of ed-

Demo on Electrical Machines

ucation and training. They are a SSI registered small scale unit with a small team of dedicated employees and a large dealer network throughout India.

Adtron provide an extensive set of ancillary and complementary services such as

- Technical assistance for the preparation of equipment specifications for the clients and tenders.
- Design of special equipment and manufacturing of custom – tailored teaching aids.
- Complete and meticulous installation of laboratory
- Creation and organizing of exhaustive training courses for clients.
- Realization of feasibility studies, working plans, curricula, technical assistance.
- Realizations of turnkey laboratories, for engineering colleges, polytechnics, industrial training institutes, technical schools, R & D Centers etc.

Adtron is able to fully design, control and manage a complete project from start to end,

Demo on Electrical Machines

Day 5 Session 1: Topic: Demo Session on CVLSI Exp to plot IV Characteristics on Virtuso tool

The objective of this session was to introduce CVLSI design, explain the Concept of MOS devices N- MOS and P-MOS, their working principle, input and transfer characteristics. The session is followed by hands on VLSI design software tool CADENCE. Practical Session is on to plot & simulates input and transfer characteristic of N-MOS and P-MOS in cadence. In Session following topics were discusses:

- A brief history of the VLSI field. Comparison of SSI, MSI, LSI, VLSI and CVLSI. Different Types of transistors.
- VLSI Systems: They incorporate integrated circuits containing micro/nano-scale devices on a semiconductor substrate formed by using chemical/lithography processing.
- MOS Transistors are stack of gate, oxide; silicon can be viewed as electrically controlled switches.
- Concept of N-MOS and P-MOS & their working principle.
- Three regions of operation Cutoff, Linear & Saturation.
- Input and transfer characteristics of P-MOS and N-MOS Devices.
- Introduction and getting started with Cadence.
- Explain Various Procedural Steps to draw the Schematic and simulate it for IV Characteristics in Cadence

Day 5 Session 2 Topic: Demo on Electrical Machines

First, introduction to motors and its types was discussed. Specifically regarding DC shunt motor, induction motor (squirrel cage & slip ring). Speed control mechanism is explained by madam with theoretical concepts and equations. Two demonstrations are performed.

First speed control of DC shunt motor and second speed control of slip ring induction motor using external rotor resistance. In Speed control of DC shunt motor Armature control and Field control methods are verified with demonstration. Graph was plotted for different value and various conclusions can be made. In Slip ring induction motor by varying external rotor resistance in different value speed of motor is measured.

Day 6 Session 1 Topic: Demo of Advance Instruments.

A Session was conducted by Aplab technology. They demonstrated on their advance instruments like DSO, Spectrum Analyzer, Power supply, CRO etc.

Industry Oriented Workshop on "IT Innovations" in collaboration with Capgemini, SAP Labs and Foslipy.

- by Rohit Sreedhar

"IT Innovations", a one-week ISTE approved Industry Oriented Workshop was conducted in collaboration with Capgemini, SAP Labs and Foslipy from 5th January 2017 to 11th January 2017. The workshop was organized by teams from four departments; viz Computer Engineering, Information Technology and Master of Computer Applications. A total of 63 participants registered for the workshop.

Highlight of the session was an industrial visit to Capgemini and practical session on Python Data Analytics. Following topics were conducted during Workshop:

- Cloud Computing
- Service Oriented Architecture
- Internet of Things
- Agile Methodology and SDLC Concept
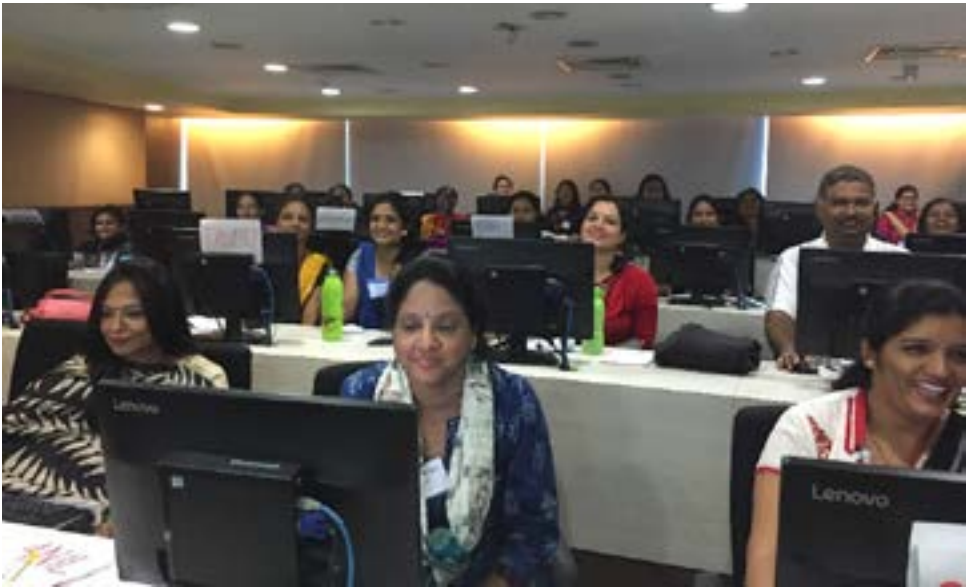- User interface Design

Inaugural session

Inaugural session

Inaugural session was held on 5th January 2017, where **Mrs. Darshana Ogale, Sr. Vice President from Capgemini** was the keynote speaker. She briefed the audience about various areas in IT Innovations and also explained Capgemini's contribution in this sphere. The next sessions for the day was taken by **Mr. Niranjan Sathe**. He spoke about the importance of Software Architecture and Service Oriented Architecture.

Session on "SDLC Concepts" by Mrs. Simi Vinod, Capgemini

Day 2 started with Internet of Things (IoT). The speaker, **Mr. Manish Parulekar** discussed various IoT projects and its applications. A Project demo conducted by the team was also presented during the session. The next session was conducted by **Mrs. Simi Vinod from Capgemini**, where she explained the industry perspective of Agile Technology and Software Engineering.

Lab Session on "Python Programming and Data Analytics" , Foslipy Pvt. Ltd.

Industrial Visit at Capgemini Campus, Airoli.

"User Interface Design" Session by Ms. Nivedita Ganjoo, SAP Labs

Day 3 was a Hands-On session on Python for Data Analytics by Foslipy expert.
Day 4 was Industry visit to Capgemini at Airoli campus where lab session was conducted on Angular JS by **Kavita Arrora**.

Industrial Visit at Capgemini Campus, Airoli.
Day 5 and Day 6 was on topic of user interface design by SAP Labs Expert, **Mr Nitin Kumar and Ms. Nivedita Ganjoo**. The session started with the introduction of user interface design. Later a group activity was conducted based on a pre-decided problem scenario and each group had to present their Persona, POV, sketches and Storyboards. Final product model was developed with the detailed description of use cases and the usability testing was carried out by co-tester of other groups.

Followed by which was valedictory function and certificate distribution by our Vice Principal Dr.M Vijyalakshmi.
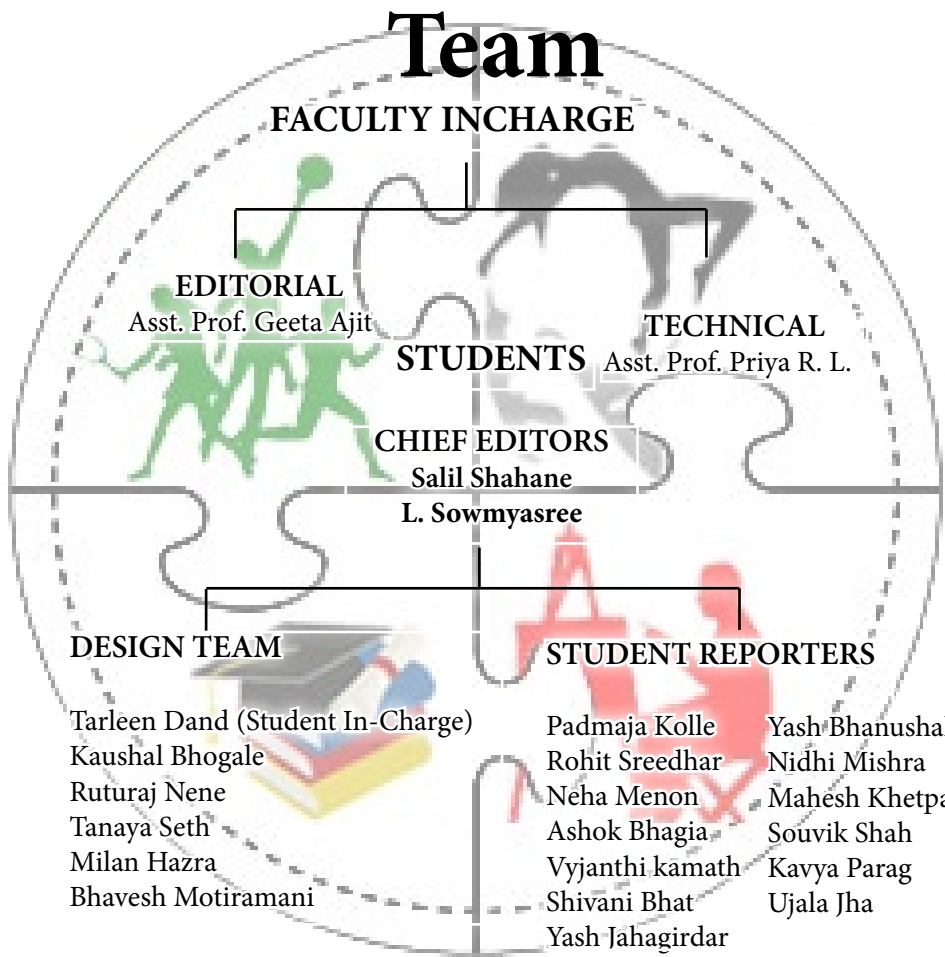

FDP Participants

VESIT Voice
- by Rohit Sreedhar

Hola VESIT! We're sincerely apologetic to have run behind time but yet again we bring to your table, the choicest compilations. With the freshness of Spring, January had brought in a breath of fresh air into the college. A new semester, a new chapter, and it was welcomed with the blitzkrieg called ILLUSION'17. Right from the amphitheater to the ground to the auditorium, the six teams spread themselves out to battle it out to wear the winner's crown. While on the other hand, VESLIT had set out to shortlist the finest for its playoffs. This issue is furthermore special as we have in our 'VESIT diaries', the interview of one of our most cherished alumni. His journey will definitely leave you to look for ways to push boundaries. Chalking, planning and brainstorming, the societies as well belted out their interesting events. With the weather being beautiful, how can our athletes and players missing hitting the ground with all their grit and might to bring home the laurels of SPHURTHI'7. Do read in for all the match and event updates! Well, even semesters are a splutter and carnival of fun and fests. While this is just the beginning there's definitely loads of more goodness to come!

The 'VESIT CONNECT' Team

FACULTY INCHARGE

EDITORIAL
Asst. Prof. Geeta Ajit

TECHNICAL
Asst. Prof. Priya R. L.

STUDENTS

CHIEF EDITORS
Salil Shahane
L. Sowmyasree

DESIGN TEAM

Tarleen Dand (Student In-Charge)
Kaushal Bhogale
Ruturaj Nene
Tanaya Seth
Milan Hazra
Bhavesh Motiramani

STUDENT REPORTERS

Padmaja Kolle
Rohit Sreedhar
Neha Menon
Ashok Bhagia
Vyjanthi kamath
Shivani Bhat
Yash Jahagirdar

Yash Bhanushali
Nidhi Mishra
Mahesh Khetpal
Souvik Shah
Kavya Parag
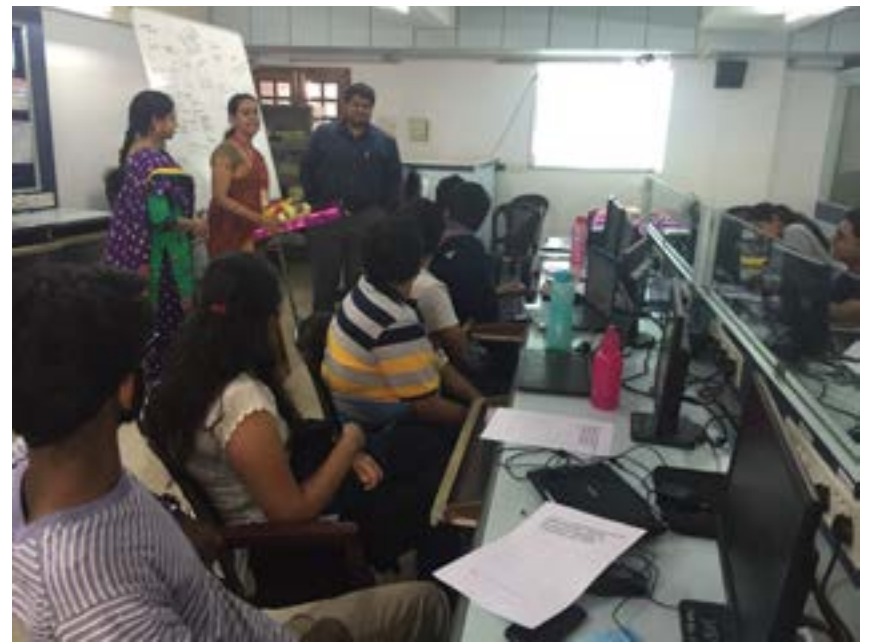Ujala Jha

Winter School Program (2016 – 17)

- by Salil Shahane

As a part of Skill Development, Department of Computer Engineering along with the departments of IT and MCA organized a Winter School Program for second, third, final year students of VESIT during this academic year. Of the total 16 participants; 13 were from computer department and 3 from MCA.

Workshop: Data Integration and Business Intelligence with Pentaho and Hadoop
Departments of Computer, IT and MCA of VESIT organized a-five-day workshop on "Data Integration and Business Intelligence with Pentaho and Hadoop" from January 05-10, 2017 in collaboration with Asterix Solutions and Nilesh Bane Ascentech System Pvt. Ltd. The objective of this Winter School Program is to learn how to integrate data for business intelligence using Pentaho and Hadoop.

The first three days session on Data Integration and Business Intelligence using Pentaho was taken by Mr. Nilesh Bane. He is an excellent trainer who helped the participants to understand how to transform data from one file format to another in Pentaho and also provided hands on session for generating reports which is used to perform Business Intelligence. The participants showed high level of enthusiasm and spirit of learning which encouraged the speaker to demonstrate the installation of BI Server in Pentaho.

Workshop: Data Integration and Business Intelligence with Pentaho and Hadoop

The last two days workshop was on Big Data Analytics on Hadoop. The sessions were taken by Mr. Zartab Nakhwa the founder and CEO of Asterix Solutions. Sessions on Day 1 covered the introduction to Big Data Analytics, the role of Hadoop, its Architecture and its command line installation. Second day started with the installation of IBM Biginsights followed by a hands on session.

Participants and faculty with Mr. Nilesh Bane

Participants and faculty with Mr. Zartab Nakhwa

STAFF ACTIVITIES OF EXTC DEPARTMENT

- by Rohit Sreedhar

The EXTC Department staff visited POLICE COMMISSIONERATE OFFICE, Navi Mumbai, Belapur, on 5th January 2017. On this day a pocket size booklet to spread awareness on Women and Children Rights was released. The staff was introduced to various applications like "Citizen Cops"," Pratisad" and websites like https://aaplesarkar.maharashtra.gov.in/ which is used for traffic monitoring & for solving crimes. They also saw the advance CCTV setup at CBD Belapur railway station

EXTC department visited the RCF to see the 2 MW power generating solar plant setup which was started on 27th January 2016. The power generated from the plant is utilized to suffice the RPF power consumption requirements.

Elecrtonics & Telecommunication Deapartment is organising One Day Faculty Development Program on " TRENDING TECHNOLOGIES IN INDUSTRIES " in collaboration with Capgemini on 10th January,2017. Topics related to Practical approach to DSP, Smart grid in Power Systems, Embedded System design and IoT were covered

Staff visit to POLICE COMMISSIONERATE OFFICE,Belapur, Navi Mumbai.

Staff visit to Rashtriya Chemical Fertilizer (RCF), Trombay.

ILLUSION '17 - SEEING THE UNSEEN

- by Kavya Parag, Nidhi Mishra & Yash Bhanushali

As another year tiptoed in, to welcome the New Year with plethora of joy and enthusiasm, the Cultural Council 2016-2017 brought one of the most awaited event of the year – Illusions 2017. The event was diligently planned and began with interview of various inspiring candidates across several portfolios like Dance, Drama, Aesthetics, Visual Arts, Literatures and Sports.

Finally the most crucial process of selecting team leaders took place, where firstly all the enthusiasts had to appear for a written elimination and qualified candidates had to go through a personal interview which was carried out by Prof. Vivek Umrikar from Dept. of Humanities and Applied Sciences. The overwhelming response it received, induced the participants to bring out the best in them.

After almost a month of vigorous selection process, auction of teams and rehearsals, six leaders with their teams were ready to set the stage on fire & leave VESIT stunned by their outstanding talents during the event which was held from 11th-14th January

Leaders leading the teams were:

Mayank Harwani - Conquerors
Ayush Shukla - Invaders
Pujan Sanura - Imperials
Akshay Rathi - Prevailers
Prasanna Sharma - Intruders
Manasi Karale - Laureates

ILLUSION '17 Leaders

Illusion 17 DAY 1 :
First day of Illusion 17, all team leaders were exhilarated with their respective teams to compete. The events scheduled for the day were Castle Making, T-Shirt Painting, Physical Task, Treasure Hunt & Case Study.

Castle making and T-shirt painting - Both the events went on parall for Aesthetics portfolio. Members where given the theme as "Illusion" for t-shirt painting. Participants also came up with innovative idea for castle making by using best out of waste and various other ideas. Winning title for t-shirt painting and castle making were taken away by Prevailers and Intruders.

Sports Events - Physical task and treasure was hunt held at the college ground where team members gave their heart and soul to the event. The treasure hunt event required solving puzzle with speed and using their logical and solving skills and also doing their case study. The combined event results were out and imperials were successful.

Team members had given their heart and soul in for their respective portfolios and the immense responses left everyone excited for next few days.

Castle Making event

Illusion 17 DAY 2:
On day 2, the teams who won were even more enthusiastic and awaited for the events, the teams who lost where back with a positive mindset, more dedication and enthusiasm. All the teams reached on time as per schedule to make it their own day. Events held on day 2 included basically three portfolios, aesthetics, music, sports and literature.

Portrait making - Aesthetics teams arrived with full ardor for their portrait making competition at Amphitheater. The teams were asked to make a portrait of nightingale of India "Lata Mangeshkar". Laureates took away the title by their mesmerizing artwork.

Amazing Race- Along with Aesthetics started the amazing race at college ground for sports portfolio. The sports enthusiast where given clues similar to treasure hunt which they had to solve and pace-up for next level. Intruders won the race by their amazing performance.

Music - The music event was all about creating self-made artwork and performing it, Performers came up their original musical performances and energized the atmosphere. The event was won by Imperials by their captivating performance followed by Conquerors and Prevailers

Spell Bee - Lastly to consolidate the puzzled knots of thoughts, pens dance on words and phrases came the literature portfolios of respective teams for Spell Bee competition held at Seminar hall. Intruders emerged successful in this event.

All teams gave their best with continuous support of their team leaders, and finally the day 2 came to an end.

Group Dance event

Illusion 17 DAY 3 :
After two successful days of Illusion, the second part was awaiting for the series of planned events with the fervor and enthusiasm of winning. Highlights of day 3 were events such as Modified Sports, Rangoli, Quiz and Drama

Drama - One of the most awaited events in Illusion's portfolio, this year drama was surely nerve-wrecking. Every team were provided with different theme's that comprised of various social issues such as child labor, sexual harassment, caste reservation, drug abuse and 'Swatcha Bharat'. The time limit given to them was 15 minutes, the beauty with which they presented such sensitive topic in given time, was worth appreciation they received, the event finally concluded with Prevailers emerging as winners, followed by Conquerors and Imperials.

Modified Sports - This time modified sports was broadly classified into its three subparts which included combinations of various games like volleyball and football, langdi and kho-kho along with modified form of football. The excitement level of the participants throughout the event was vibrant and dynamic. Invaders invaded the limelight and emerged as champions, second and third positions were held by Prevailers and Laureates respectively.

Rangoli - Aesthetics members of each team were supposed to make their respective team logo's in amphitheater, this event gave a platform for students to showcase their artistic talents. The event was won by Intruders followed by conquerors.

Quiz - Quiz comprised of collection of 5 rounds, It began with first round wherein each team was asked five questions each, followed by round 2 where they were shown pictures for identification and round 3 which was a pass on rounds of various question. Last round was a rapid-fire round where participants came up with their answers instantaneously, after a serious of mind-effing rounds, Invaders stole the limelight followed closely by Conquerors and Imperials.

Story writing and narration: Each teams were given starting line of a story which they had to complete and narrate, this event tested the vivid imagination of various participating teams, the audience loved the scintillating skills of writing and narration of various teams which finally lead to the winning of Laureates

Drama Competition

followed up by Imperials and Conquerors.

Illusion 17 DAY 4:

Day 4 of illusion was full of surprises and indeed a joyride of emotions for the audiences and participants due to enthralling performances of dance, visual arts and BOTS which was awaiting for the day.

Dance - Dance has a soul that is vibrant, contagious and exuberant, and such coruscating was the performances given by various teams during dance. Each team was allotted different style under the theme "folk dance" like Bharatanatyam, Mohiniattam, Rajasthani etc. The dance event had 3 rounds wherein it started with first eliminations where three out of six teams went to round 2 wherein five members had to dance with the props that were provided on

Music event

the song selected by the opponent team, last round was face off round where a member of each team came forward with their dazzling performance. After 3 magnificent rounds the winning title was finally won by Prevailers followed by conquerors and Imperials.

Visual Arts - Introduced for the first time ever, this portfolio was the most spectacular event held during illusion 2017 and one of the reason to it was that out of 6 teams, 4 had their joker on this event, which means to all of them VA was that one event which could be the game changer. For VA, teams were supposed to make documentaries on social issues similar to the once given for drama. The team also made making of those videos, various editing, directing skills were showcased for making of those documentaries and eventually the breath-taking event was won by Laureates .

BOTS - Battle of thirty seconds was one of the most enthusiastic games of the day 4. BOTS consisted of 3 rounds where a member of each team has to speak thirty seconds on a topics given by organizer, opponent teams and audience. After series of eye-catching rounds BOTS was finally won by Pratik Shukla from Imperials.

Day 4 was also glorified by few Ex-VESITian's who electrified the moment by their performances, which included Sagar Madgunki - Cultural Secretary for year 2013, Aniruddha Kadam - one of the most prominent person who raised the bar of cultural council to a whole new level and was DCS for consecutive 2 years, Nikhil Mirchandani - DCS for the year 2014 and one of those few best dancers of VESIT had and Karishma Londhe - one of the all-time best drama performers of VESIT.

Undoubtedly the hard work of Managing Committees, Volunteers, Cultural Council including the participants made it a mega-hit event and was worth respect. End of day 4, all the six team leaders gave a vote of thanks, appreciating the efforts of each and every team member. The stir and buzz created during the 4 day event had everyone holding their heart beats and waiting for the winning moment, Lastly the mega-event was concluded by our very own Cultural Secretary 2016-17, Ayush Shambhuwani who enlivened up the audience by his mesmerizing speech and motivated everyone who had participated in the event right from audiences to volunteers, finally came the ultimate moment when Prevailers emerged as winners and Pujan Sanura of Imperials was declared the best team leader. Illusion bonded VESITian's and created many families throughout the event. The love, overwhelming respect and admiration received by illusion 2017 is indeed fascinating and memorable.

ILLUSION '17 Managing team

ISA - MANTHAN

- by Souvik Saha

The ISA or the International Society of Automation is one of the major bodies responsible for maintaining standards and driving innovation in the sector of Automation.

ISA Maharashtra organised an annual orientation for the ISA Faculty Advisors and Student Council Members for 14 colleges across Mumbai, hosted by ISA-VESIT. The core objectives of the meet were to address challenges the ISA Student's Chapter was facing, explore networking avenues and the sharing of knowledge.

The ISA Manthan was held on the 20th of January, from 9:30 am to 5:30 pm at the college Auditorium. The event started with an auspicious note of Prasad Godse Sir singing a Ganesh Vandana. After this, there was a short introductory session, where all the assembled students from various colleges introduced themselves. Mr. Godbole spoke on the role the Faculty Advisors played in the growth of ISA. There was a felicitation for all the Faculty Advisors of ISA shortly thereafter

Next, there was a Tech Talk on Batch Process Automation by Mr. C.S. Limaye, Director of SuperTech Instrumentation. There was also a lecture by a Siemens representative, Mr Neeraj Godbole on the Siemens Automation Cooperates with Education, a student outreach program.

After lunch, the students and Faculty Advisors played various fun events in the amphitheatre.

Next, there was a presentation by the ISA student sections of 8 colleges, on the various activities that were held in their respective colleges, some of their future events and what kind of support is expected from ISA Maharashtra. Akshay Rathi led ISA-VESIT to victory with the excellent presentation ISA-VESIT had put together

In the end, with a short vote of thanks, the well organised event came to a close.

Glimpse of ISA MANTHAN 2017

VESLit Playoffs

- by Ujala Jha, Milan Hazra

Literature serves as a very crucial gateway to expand knowledge and understand the depths of the world. It is a mirror that humans hold up to the world, to themselves, and to history. VESLit, the Literature club of VESIT conducted the one-act play for VESI-Tians on 21st and 23rd of January 2017. The theme for the PLAY-OFFs was 'Human Rights".

The playoffs of SEs took place on 21st January at the College Auditorium. There were guidelines for each participating team to follow. The time limit for each play was 20 minutes. Six teams from SEs participated in the playoffs and the best two were selected for the second round.

On Day 2, was the turn of the FEs. The astounding way with which the plays were penned down and performed showcased the hidden talents of the budding actors. Various social issues like illegal increase of child labor and abuse, Right to fair trial for each and every human irrespective of any criminal charge against them, Fundamental rights and duties of a vigilant citizen, Equality on all grounds and Freedom of speech and expression were addressed by the participants. Each and every play was woven into a mesmerizing act with a strong message which had a constructive impact on the audience.

The judges viz. Vyjayanthi Kamath and Akshay Rathi, gave a wonderful feedback and guided the participants, motivating them to perform with excellence in future too. Out of the seven teams which performed D2C, D4A and D1A stood first, second and third respectively. The first two teams made it to round 2

The grand finale of the playoffs of FEs and SEs will be held during the VESLit WEEK.

VESLit Playoffs

VESLit Team

Panel Discussion by tVEC

- by Vyjayanthi Kamath

Panel Discussion, the second event by the VESIT E-Cell (tVEC), was held on January 30, 2017, in the auditorium at 2.45 P.M. It aimed to educate the students in entrepreneurship. The panelists were:

- Ms. Deepika Singh, VESIT alumus, who is the co-founder of Appave She is currently working at IBM Startup Platform and has recently forayed into Facebook App Development.
- Mr. Anil Thomas, a distinguished speaker in the domain of Human Development and has coached around eight thousand and six hundred students across Mumbai over the last seventeen years.
- Mr. Steven Enamakel, CEO of The Big Indian, a news website capturing stories about entrepreneurs and startups in India.

They shared their experiences about their entrepreneurial journey and shared valuable advice. Audience questions had them describing every aspect of entrepreneurship, from team selection to expansion of the venture.

The Panel Discussion certainly lit a spark in the students interested in having their own startups.

E-Cell Team

Panelists for the event.

ISTE

- by Rohit Sreedhar

ISTE- VESIT started the even semester with its mega event named 'Around the world'. True to its name, the event saw participants playing several modified games from various countries like Human Foosball from Brazil, Archery from Nepal, Modified Badminton from Indonesia and Cardice from Las Vegas. Small score multiplying games were also added to increase the competitive spirit of the enthusiastic crowd. Human Foosball was the main attraction of the entire event. Out of the total participating teams, 16 teams were shortlisted for the semi-finals of which 8 teams finally made it to the finals. The semi-finals saw the members solving various clues spread out across the college campus related to different countries. The finals comprised of an innovative card game which kept

everyone guessing the winner of the event till the end. The event received a great response from all courageous travellers.

Some of the upcoming events of ISTE-VESIT are Techtrix which is the biggest technical events conducted by us, Gangsta Blues which will be the second mega event for this semester and is known to attract a huge amount of crowd and finally the much-awaited SE Coord Event designed by the super talents SE coordinators of the society for its SE members. All in all, the society has started off this semester on a high note and continues to live up to the expectations of its members.

BookSwap '17

- by Vyjayanthi Kamath

BookSwap, organised by VESIT E-Cell, has always been an event beneficial for all. It was held on January 13, 2017. It is primarily advantageous for the FEs as they buy textbooks from their seniors. The event saw a decent participation from SEs, TEs and BEs.

A total of one hundred and eighty books were involved in the transaction. The books were bought and sold at 60% of the MRP. Room no. 507 was allocated for the storage of books for 3 days. With the help of the college management, E-Cell's faculty representatives, Prof. Asha Bharambe and Prof. N. Gopalakrishnan, the event was quite successful.

Anger, Forgiveness and Acceptance by VESLARC

"Anger is never without a reason, but seldom with a good one."

– Benjamin Franklin

Anger is said to be one of the seven universal emotions that are common across gender, ages and cultures. With stress, anxiety and pressure being a part of this fast paced world, the need for anger and stress management was felt as the need of the day by all teachers. To address this problem faced by all teachers, two members from VESLARC Ms. Meeta Brahmbhatt and Ms. Preeti Vasudevan conducted a session on Anger, Forgiveness and Acceptance on 2nd January 2017 in the college auditorium. Ms Meeta Brahmbhatt spoke on how 'Anger' is a natural emotion which is healthy to a certain extent. Anger should be managed, not controlled used as a tool. Repercussion followed by depression and sadness. Mind has an image – fixed image – outer image centered in the inner image. Ms Preeti elaborated on the values of controlling anger, acceptance of everything around us. She concluded by highlighting how Forgiveness – is a gift you give yourself! Undoubtedly, all the staff members gained a lot from that session.

Session on Anger, Forgiveness and Acceptance

STUDENT SPEAK

Populism: A bane of democracy

- by Yash Keskar
D3

The election season is in full swing. Every time I see a manifesto of a political party I am utterly disappointed. Sops are distributed mindlessly among the poor, not to uplift them but just for the sake of votes. This populist propaganda is now the new normal.

The best example of populism can be found in a southern state of India, in the form of "A---" products. The 'A--- canteens, laptops and a lot of other things are doled out just to stay in power. With no degree of certainty one can say that schemes like these are actually successful and are benefiting the poor. This is not even the case of robbing Peter to pay Paul, it is instead robbing both Peter and Paul!

This practise is certainly not a healthy one for a democracy. It is just depleting the nation's war chest in order to quench our leaders' thirst of power.

If a person with an intent to challenge status quo, he is labelled Anti-Poor or Rightist and is eliminated out of the political race.

It is partly our fault too. Ultimately it is because of our voting or not voting, such politicos are still in power. The day, masses come together, these politicians will be out of power.

VESIT DIARIES

- by Rohit Sreedhar

When the rays of the sun, through the fluttering tricolor, enter into firm and resolute eyes we know our country is in safe hands. With a sense of pride, yet a pure humility they walk to offer a selfless contribution to the nation. We never cease to be in awe of defense, military, naval and every other official person who's given the responsibility to hold and protect our country. And today we VESITians are moreover proud to have one of such honorable people right from our rich list of alumni. An Ex Deputy sports secretary, Ex Sports secretary and an Ex General Secretary Of VESIT Mr. Kaustubh Thakare went on to be an Assistant Commandant , Central armed forces . Here's a little conversation with him.

Mr. Kaustubh Thakare

Hello sir, how was your journey in VESIT like?
VESIT was a life changing experience for me. It gave me a lot of opportunities through its extra and co curricular activities which help me build up myself and have a firm footing which involved being the DSS, SS and the GS consecutively! I was from the **Computer department, class of 2010**.

Tell us something about your roadway to being the Assistant commandant.
After clearing the UPSC examinations I went on to be the Assistant AICO (Assistant Central Intelligence officer) in 2012. Then on in 2014, I became the Assistant commander in the intelligence bureau.

What were the various stages of the UPSC examinations?
The UPSC examinations consist of the preliminary, mains and interview stages. The preliminary stage consists of two papers, namely General knowledge and the aptitude test. The Mains stage consists of four general studies papers. After clearing these two stages one enters into the interview stage wherein subjective and stress handling related questions are introduced to test the candidate's situation handling capacity.

What is the difficulty level of this examination?
This examination brings a great amount of difficulty with it. It basically a comprehension of everything that involves our country. Right from history to eco-

nomics to current happenings , it requires you to have the complete knowledge of our country. Around 7,00,000 students appear for the examination and only about 240 of them make the cut! So yes, it involves a big deal of effort to crack it up.

What is the next step post selection?
The next step is a full fledged training which equips the candidates to be perfect officers. It is a 14 months training which comprises of weapons, drill, penal laws and securities.

How did you prepare for the examination?
I had begun my preparation right after graduation. Though the formal preparation began then I always used to see to it that I was abreast with all the happenings and current affairs of the country. Apart from the course material I made a thorough study of various magazines, journals and newspapers that gave me a deep insight into the subjects.

What were the challenges you faced on your path to preparation?
The journey was quite a struggle with the examination being very tough and the competition, heavy. Moreover seeing my other friends settle down and make money used to at times make me feel low. But then I had my people who used to encourage me to rise up. Strong support from my family and also principal, Nair ma'am and Naganada sir constantly pushed me to give in my best.

What made you choose this option over a conventional career engineering offers?
I was never in for a 9-5 job. It did not give me the thrill for which I would put in my efforts. Moreover my thirst was for something that brought in some adventure, a sense of pride and self satisfaction. Though this wasn't planned right from the beginning the awe and respect military, defense, army and such officials get always amazed me as my father belonged to the Indian forest service. This, you know, instilled in me the drive to serve the nation .Such collective forces eventually drew me into this.

What is your message to VESITians?
VESIT is a beautiful place! It has helped me find myself and attain my goals. It has a lot to offer so give in all that you can,indulge, study and live your dreams for these days are never going to come back!

SPORTS

SPHURTI
<div align="right">- by Yash Jahagirdar</div>

The inauguration of Outdoor Sphurti was held on on 6th January 2017. First Years' and seniors were categorised separately . There were separate outdoor sports for girls as well as boys. The boys had team sports like Volleyball, Football, Cricket, Basketball, Tug of War and Kabaddi, while girls had sports such as Dodgeball, Throw ball, Basketball, Tug of War and Cricket. Athletics was also an integral part of this Outdoor Sphurti event. In athletics the track events were:-
100 meters for both boys and girls
200 meters for both boys and girls
400 meters for both boys and girls
800 meters for boys only
1500 meters for boys only

In the field events, there were Shot Put, Discus throw and Long Jump for boys and girls. On the first day of Sphurti, the matches between the First Years were played. The following were the results of their matches:-
Girls:-
Dodgeball   Winners:-D2   1st Runner Up:-D1
Throw ball   Winners:-D4   1st Runner Up:-D2
Boys:-
Football   Winners:-D4   1st Runner Up:-D3
Volleyball   Winners:-D3   1st Runner Up:-MCA1B
Simultaneously, the matches of the seniors' group comprising of the Second Year, Third Year and Fourth Year Engineering students have also started.
The results of various sports are as follows:-
Girls:-
Dodgeball   Winners:-D11   1st Runner Up:-D9
Throw ball   Winners:-D9   1st Runner Up:-D11
Boys:-
Football   Winners:-D18   1st Runner Up:-D16
Congratulations to the winners and the runner ups!

Students playing dodge ball.