

**Inside this
Issue**

PAGE 2

**Tantravihar 2017
Graduation Day**

PAGE 3

**Department of First Year
Engineering**

PAGE 4

**Department of Information
Technology**

PAGE 5

**Department of Computer
Engineering**

PAGE 6

**Department of Electronics
and Telecommunications
Engineering**

PAGE 7

**Department of Electronics
Engineering**

PAGE 8

**Department of Biomedical
Engineering**

PAGE 9

Management Studies



**Prof. Varsha Bhosale,
VIT, Vice-Principal**

“Always bear in mind that your own resolution to succeed is more important than any other one thing.” Abraham Lincoln

In today’s fast paced world whilst opportunities are in abundance in the guise of hard work, it’s time to recognize our latent abilities and proven skills to reach the echelons of success.

I feel glad to mention that we conducted a successful technical event **“Tantravihar 2017**, an intercollegiate Project Exhibition and Competition” in the month of April. It gave the perfect platform to the budding engineers to unravel their innovation and passion in the form of their technical work that can make a huge impact in their life and the world at large. The event is a critical acclaim towards professional excellence with the active involvement of students and teachers from various places and colleges.

I would like to extend my **best wishes to the graduating batch of 2017** for a new beginning with dreams to soar higher in life. The Chief Guest for this year’s event was Mr. Raghav Narsaley, Managing Director at Accenture Institute of High Performance. We were highly inspired and motivated by the presence of Mr. Raghav Narsley, who mentioned about the 5 C’s that one needs to possess to strike the right chord in the industry: Courage, Conscience, Communication, Compassion and Curiosity, in his highly motivating address to all. I sincerely thank all the stake holders for their support and wish good luck to all the students to come out of the examination with flying colours.

We soulfully remember our founder, Prof Chandrashekhar S. Deshpande. The second memorial lecture of the **“Prof. C.S. Deshpande Memorial Lecture” series** on "Low Carbon Strategy for Inclusive Growth" was deliberated by Dr. Kirit Parikh, recipient of Padma Bhushan, Professor, Emeritus & Founder Director, Indira Gandhi Institute for Development Research on 19th May, 2017, at Vidyalankar Auditorium. This lecture stands as a testimony to the immortal presence of the fond memories of our Founder.

With these thoughts, let us all work hard with enthusiasm and sincerity towards this semester to reach the unassailable heights of excellence. **Best wishes!**



“I am always doing that which I cannot do, in order that I may learn how to do it”-

Pablo Picasso

Ninad Chaudhari



VIT heartily congratulates Ninad Chaudhari (BE INFT student) for being a member of the Indian Shooting Team which won the silver medal in the 300M Rifle 3 Position Men event while representing the country in the Indo-Bhutan Shooting Championship 2017.

ETS-

Mobile Van Campaign (VIT)



Career Counselling Committee organized an event: ETS-Mobile Van Campaign (VIT) on May 8, 2017. ETS is the world's largest non-profit student testing organization from New Jersey (U.S.A). They are the official developers of English language assessment exams - TOEFL (Test of English as Foreign Language) and aptitude assessment test - GRE (Graduate Record Exam).

International Yoga Day 21st June



Tantravihar-The Annual Project Competition and Inter-Collegiate Competition



Tantravihar, the annual event of VIT, was held on April 10, 2017, where students from various colleges get the opportunity to exhibit their BE final year projects on current trends in various domains ranging from IoT, Big data, Cloud, VLSI, Controls & Automation, Wireless Sensor Network, Augmented, Virtual Reality, etc. in front of industry experts and entrepreneurs. The second prize was shared by both VIT and Anjuman College. Ajinkya Sawant, Vajid Khan, Pravin Chavan from Anjuman College presented the project on the topic "Enhancing retail shopping experience through Augmented reality" whereas Kalpesh Songire, Mihir Navalkar and Pallavi Gite from VIT presented on "GSM Based Online Data Logging For Remote Water Level Monitoring And Control".

Bidding Adieu : Graduation Day 2017

On Friday 05 May 2017, Vidyalankar Institute of Technology conducted its much awaited annual Graduation Day Ceremony for its BE Final Year, ME and MMS Second Year classes of students. The Chief Guest for the event was Mr. Raghav Narsaley, Managing Director at Accenture Institute of High Performance. For the graduates, the event proved to be a fitting finale to the four transformational and exciting years at Vidyalankar Institute of Technology.



Brand Ambassador Programme by L & T InfoTech

A Brand Ambassador Programme by L & T InfoTech was conducted at VIT on 12 April 2017. About 220 students were present for the event. Mr. Nitin Mahajan, Practice Head for Oracle Business, Ms. Priyanka Allen and Mr. Amit from HR department were present. We heartily congratulate the third year students, Viraj Deshpande from Electronics and Telecommunications and Poorvi Rai from Computer Engineering branch for being selected as Campus Ambassadors.



"A teacher affects eternity; no one can tell where his influence stops"-

Henry Adams

Know An Alumnus



Name : Gaurang Manjrekar

Program & Year : Electronics (2008 - 2012)

Current Employer : Senior Management and Technology Consultant, Ernst & Young, New York and Founder, Football Paradise .

Message to VIT :

VIT holds nothing but fond memories for me. I was a part of the **Electronics batch of 2012**. I had spent some of my time on the football field, and in developing shows as a part of the cultural council. Vidyalkar gave me the opportunity to host shows, plan shows, lead people, play and most importantly, have fun while doing so. It gives me great joy to see Gondhal - a show we initiated in 2011, still going strong at VIT! Most of my friends will happily admit that their greatest personal growth was at VIT which they noticed only after graduation. Despite graduating 5 years ago, my VIT alumni network is stronger than most of the social networks I've built later on in life. On the flip-side, the passion I developed towards football was nurtured, and curated during my time at VIT. It has been pivotal in my personal development as I've managed to steer Football Paradise from a small blog to being the best International football blog! thing all over again.

The Cartooning Competition : Game of Toons



The Department of Humanities, First Year Engineering, conducted Cartooning Competition on 05 April 2017 to commemorate the World Cartoonist Day, celebrated every year on 05 May. The event was conducted smoothly with fun and vigour, unfolding the creative potential of the students. Prabodh Pawar and Gurpreet Kaur secured the first and the second place in the competition. The event endeavours the learners to make the effective use of non-verbal communication.

Energy Audit at VIT

The Green Audit Team, under the guidance of Prof. Ishan Upadhyay, Department of General Engineering, had conducted Energy Audit for VIT Campus to reduce energy consumption. The primary objective of energy audit is to determine ways to reduce energy consumption per unit of product output or to lower operating costs. Energy Audit provides a "bench-mark" (Reference point) for managing energy in the organization and also provides the basis for planning a more effective use of energy throughout the organization.



Energy Audit at VIT helped to understand more about the ways energy is used in the organization, and helped in identifying the areas where wastage is occurring and where scope for improvement exists. It helped to minimize energy costs or wastage without affecting production and quality as well as will to minimize environmental effects.



Green Heroes Film Festival

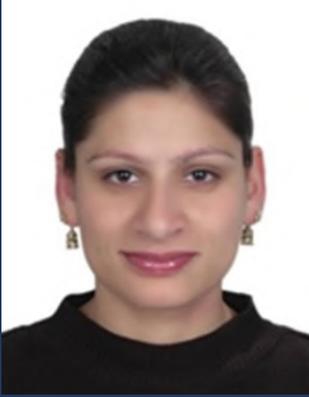
This Festival was organized by The Energy and Resources Institute (TERI) and U.S. Consulate General, Mumbai on 25th April whereby Dr. Poonam Bathla got a chance to personally interact with Dr. Ajay Mathur, Director General, TERI who emphasized media as a powerful tool in spreading awareness about environmental issues amongst the students and people. He also suggested to run the Green Heroes short films in the college campus to spread environmental consciousness amongst all.

"Believe you can and you're halfway there" –

Theodore Roosevelt

Department of Information Technology

Faculty Profile



Name:

Prof. (Dr.) Meenakshi Arya

Department :

Information Technology

Designation :

Associate Professor

Educational Qualification :

Ph.D. in Computer Science and Engineering

Experience: 13 years

Student Spotlight



Greeshma Rajan

VIT congratulates Greeshma Rajan of Information Technology for securing highest marks in Semester VII in the December 2016 Mumbai University Examination.

Latest Technology:

Eye Tribe

Eye tracking has been actively discussed by technology enthusiasts throughout these years. They successfully created the technology to allow you to control your tablet, play flight simulator, and even slice fruits in Fruit Ninja only with your eye movements by taking the common eye-tracking technology and combining it with a front-facing camera with some serious computer-vision algorithm, and voila. A live demo was done in LeWeb this year and we may actually be able to see it in action in mobile devices. Currently the company is still seeking partnership to bring this sci-fi tech into the consumer market.



Smart Thing

Smart Things is here to make your every device, digital or non-digital, connect together and benefit you. With Smart Things, you can get your smoke alarms, humidity, pressure and vibration sensors to detect changes in your house and alert you through your smartphone!



Student Speak—Journey at VIT

Entering the closing stages of my life at VIT, I have no regrets over selecting this college as my destination to enhance my skills in my field and develop my overall personality. Our minds were channelled in the first year in a way that we develop the skill of looking at the problems from all the possible angles and find the optimum solution rather than following the herd's way. The professors provided all the help possible to help us and excel in academics as well as in the co-curricular activities by conducting seminars, workshops and guest lectures which helped us to obtain significant knowledge in choosing the domain that interests us the most and learn more passionately about it. The liberty of joining internal committees through interviews and be given an opportunity to work in it gives an invaluable experience and helps us to grow as an individual. Finally, to be amongst friends makes every situation less stressful as we are all supportive of each other in all times. My class was, is and always will be united in overcoming any obstacle that we encounter. Cheers to all.



Kaushik Kalyanaraman TE-IT Div 2 (2014-2018 BATCH)

“Innovation distinguishes between a leader and a follower”

-Steve Jobs

Student Speaks



Aum Deshpande

Third Year (Division A)

What makes a student successful? His attitude? His hard work? His passion? His determination? Well, all of them are useless unless they are channelled properly. The Computer Department of VIT focuses on channelling the passion, determination and hard work of the students in the right direction helping in the holistic development of the students providing the perfect backbone for academic and non-academic activities like seminars, pop quizzes, aptitude tests etc.

Publications by Prof.Sachin Deshpande

- Paper titled "Computer Aided Leukaemia Detection using Digital Image Processing Techniques" in IEEE International Conference On Recent Trends In Electronics Information Communication Technology, May 19-20, 2017.
- Paper titled "Detecting movements and predicting the future path of a moving object in wireless sensor network" in International Conference on Trends in Electronics and Informatics ICEI 2017 held during May 2017 at SCAD College of Engineering.

Machine Learning Summer School

Machine Learning is becoming the holy grail of technology. This is why the computer department of VIT has started THINK Research Club in the college. The club aims at promoting research in machine learning amongst the students. With this aim, THINK hosted a Machine Learning Summer School 2017 at VIT. The event took off from 16th June 2017 and ended on 21st June 2017.



All the speakers for the events were from reputed organisations like IIT Bombay, Microsoft Research and Rolta India, Haptik etc. Topics like maths, natural language processing, convolutional neural networks, optical character recognition, machine translation and transliteration, scikit learn, chatbots, and research were covered in this summer school. The talks by all the speakers gave an interesting insight towards research in machine learning. The THINK Research Club has also got publicity through an article in Maharashtra Times newspaper. The entire team of THINK Research Club aims to continue the great work in the upcoming semesters.

Activities by the Department

- Prof. Ketan Kanere published paper titled "Indian Sign Language Converter System" in International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017), RVS Technical Campus, Coimbatore in April 2017.
- Prof. Prita Patil published paper titled "Paradise Motorsports using Unity 3D" in International Journal for Scientific Research & Development(IJSRD)Vol.5, Issue.2, ISSN:23210613, April 2017.
- Prof. Sneha Annappanavar, Prof. Snehal Andhare, Prof. Divya Racha, Prof. Abhishek Pandey attended one day Faculty Development Programme on "Use of ICT in Education" on 22nd May 2017 at VIT.
- Prof. Avinash Shrivastava published paper titled "Intelligent Knowledge Sharing For Agricultural Information" in International Conference on Trends in Electronics and Informatics (ICOEI 2017) held during May 2017 at SCAD College of Engineering.
- Prof. Rugved Deolekar published paper titled "Comparative Analysis of Different Approaches To Solve The Job Assignment Problem" in International Conference on Trends in Electronics and Informatics 2017 in May 2017. Prof. Rugved Deolekar also published paper titled "Standards Elimination Parser Using Natural Language Processing" in International Conference on Trends in Electronics and Informatics 2017 in May 2017.
- Prof. Mandar Sohani published paper titled "Estimation of Crowd Density by Counting Objects" in International Conference on Trends in Electronics and Informatics ICEI 2017 held during May 2017 at SCAD College of Engineering.

"The art of communication is the language of leadership"

-Steve Jobs

Talks Delivered by Prof.Dr.Saurabh Mehta

Distinguished PHD Guide award to Dr. Saurabh Mehta by JITU university, 4th May 2017, Mumbai.

- Computer Communication Networks, S. Mehta, Pillai College of Engineering, SKEP Session, IEEE Bombay Section, Mumbai, 1st April 2017, Mumbai.
- Talk on use of ICT in Education at VIT Mumbai on 22nd May 2017.
- NBA accreditation Talk at AR Kalsekar College, 13th June 2017, New Mumbai.
- Interview in "Chitralakha Magazine" about cyber security /IOT 29th May.

Departmental Achievements

- MOU with Question Pro and acquired software worth 5 Lakhs.
- Value added course on "Network Associate" successfully conducted for five days (40Hrs) under the guidance of Prof. Beena Ballal.
- Publication of the first version of Digital Newsletter on 11th May 2017.(link: <https://www.youtube.com/watch?v=QiLr3wYjk30&t=193s>)
- Prof. Arpit Rawankar working as "Visiting Researcher" at TIFR, Mumbai and contributed in projects funded massively by the Dept. of science and technology.

Department of Electronics and Telecommunications Engineering

Faculty Development Program on Maplesoft

The Faculty Development Program was conducted on 16th June, 2017. The activity was intended to give the faculty members an insight into Maplesoft and how it could be incorporated in the curriculum. Mr. Andrew Rourke (Director, Maplesoft), Mr. Surak Perera (Technical Expert, Maplesoft Pvt. Ltd) were invited as Guest Speakers for the event.



Guest Lectures

Guest lecture on "Operating Systems" was conducted by Dr. Kushal Tuckley, Chairman AGV Systems Pvt. Ltd. on 3rd April, 2017 wherein a detailed approach towards it was presented in front of the students and faculty. The activity was intended to explain what is Operating System, highlight the need and uses of OS, different OS and their area of applications, current trends in computer and communication.

Industrial Visit

An Industrial Visit to "Anshuman" Company was planned by Dr.Saurabh Mehta on 17th June,2017. The activity was intended to give the faculty members an insight of various innovative advancements and products designed by "Anshuman" for the curriculum of the Engineering and Technology.

Workshops conducted

- Workshop on Signal Processing using MATLAB and Simulink was conducted for faculties and students across VIT on 12th June 2017. Mr. Tabrez Khan and Mr. Prasanna Deshpande were invited as Guest speakers for the event.
- The Department also organized a Workshop on the "Use of Information and Communication Technology in Education" on 22nd May 2017.



"I have not failed. I've just found 10,000 ways that won't work"

—Thomas Edison

Department of Electronics Engineering

Know our Alumna



Our alumna, Ms. Sherin Mathew (BE Electronics Engineering, 2013) was recently awarded the Best Performing Closing Manager for the 2nd consecutive year at Lodha Group, where she is employed as a Senior Executive, Sales.

Congratulations and well done Sherin! VIT is proud of your achievement and wishes you good luck in all your future endeavours.



Faculty Achievements

1. Dr. Anjali Deshpande has been appointed as the Judge for K Shankar National Level paper at IEEE Bombay section and IEEE SAKEC.

2. Dr. Anjali Deshpande was invited as Advisory Committee member at IFRP at Goa on 8th & 9th April 2017.

3. Dr. Sangeeta Joshi organized a training program on EDA Design tools on 20,21 & 22 June 2017.

Industrial Visits

R.K.Controls Pvt.ltd. Thane, Mahagenco Uran Gas Power Plant



Industrial Visit to R.K. Controls Pvt. Ltd. was organized for Third year Electronics students on 10th May, 2017. It was related to subject, Advance Instrumentation and System, which is based on pneumatic components and hydraulic systems. Students of Second year were taken to Mahagenco Uran Gas Power Plant on 7th April, 2017, thereby giving them an exposure to the signal conditioning equipment and Data Acquisition systems.

Mini Project Competition

A Mini Project Competition was organized by Prof. Amaya Pethe, Prof. Sunil Kavatkar and Prof. Rajashree Soman for Third year students on 6th April 2017 to bring innovative thoughts or ideas of students in practice. Total 16 project groups were selected for the competition.



STTP: Innovative Teaching Tools & Methodologies for Engineering Faculty

A one-week short term training program approved by Indian Society For Technical Education (ISTE) was organized by Electronics and Biomedical departments from 19th June to 24th June at VIT. The programme was initiated by Prof Dr.Sanjay Chandrasekharan's keynote speech on "The impossible optimization problem". There were diverse sessions on topics like "Virtual Labs: an overview" by Prof. Santosh Noronha, IITB; Project Based Learning by Dr. Vikas Shinde, Sinhgad Institute, Lonavala; "Easy and Effective Teaching in Large Classes using Bodhi-Tree and SAFE Platforms" by Prof Bhaskaran Raman, IITB, to mention a few. The valedictory function by Prof. Sandeep Inamdar, Director of Vishwaniketan further enlightened us about the research opportunities available for engineers to explore and apply the same in their future endeavours.



"The dictionary is the only place where success comes before work"

Mark Twain

Faculty Profile



Name : Dr. Arun Chavan

Department :

Biomedical Engineering

Designation :

Associate Professor

Educational Qualification :

M.E. (Biomedical Engineering)

PhD. (Electronics Engineering)

Experience: 25 years

Students featured in Maharashtra Times



Students from final year B.E. Biomedical Engineering (Shrutika Ambade, Ms. Henal Shah, Ms. Anika Ghone and Mr. Durgesh Todankar) were featured in 22nd April, 2017 Edition of Maharashtra Times. on their final year project "Nephroget" which is a Point of Care Device that evaluates glomerular filtration rate in non-invasive manner.



Mr. Suyog Pathare, Ms. Komal Kamble and Ms. Gurpreet Kaur were featured in 02nd May, 2017 edition of Maharashtra Times for their final year project "Tunable Laser Module for Elimination of Cancer Cells"

Department of Biomedical Engineering

Seminar on "Biomedical Engineering– A Career for Future"

The Department of Biomedical Engineering organized a one Day seminar on "Biomedical Engineering– A Career for Future". The seminar was organized on 18th June, 2017 with a motive to educate and create awareness amongst parents and engineering aspirants about the Biomedical Engineering Field. There were series of talks by the delegates from research Institutes and medical device industries. The whole idea was to have an interactive session between the experts and the aspiring students to take Biomedical Engineering as their preferred choice for Engineering Education.



Dr. S.H. Sanghvi, Ex-Scientific Officer-BARC was the chief guest of the seminar. Dr. Sanghvi gave an insight into different areas of Biomedical Engineering and highlighted some of the key research areas that has good potential in future. Mr. Aashutosh Sharma, founder and COO of Oxstren Wearables Technology Pvt. Ltd. spoke about the wearable industry and point of care technology that is fast taking up the healthcare industry. Dr. Gajanan Nagare, Head of the Biomedical Engineering department gave a detailed insight to the Biomedical Engineering program at VIT. Our Alumni, Mr. Vijay Phadtare working with Vatikutti Technologies Pvt. Ltd and Ms. Smriti Viswanath doing research in UK shared their experiences as students at VIT and also gave a prospective path to the Biomedical Engineering Career after their Graduation. Overall the seminar was fruitful with more than 150 participants including parents and students who attended this seminar and were happy with all their queries answered by the experts.

Three-Day workshop on Virtual Lab Development

A three day workshop on "Virtual Lab Development" was hosted at VIT, which was conducted by experts from IIT Bombay and other institutes. Prof. Geetha Narayanan of the Biomedical Department is currently the Nodal Coordinator at VIT for Virtual Lab program. The inauguration was done by Mr. Pushpdeep Mishra, Project Manager,



Virtual Labs IIT Bombay, who also elaborated on various activities of the Virtual Lab Project at IIT Bombay. There were sessions on Pedagogy Aspects, GitLab Training which was conducted by Mr. Pushpadeep and Mr. Jai Mathur from IIT Bombay. A session on HTML5, CSS3 and Javascript was conducted by Prof. M.C. Nagoshe, Regional technical Coordinator—VLABS, PVG's COET Pune. It included extensive training of the concepts taught on Day-1. There was also a Hands-On Training on HTML Programming. Day-3 had concluding lecture on HTML5, CSS3, JavaScript by Prof. Nagoshe. Prof. Tanuja Khatavkar took session on Google Web Designer (GWD) used for creating animations. The tool being simple to use, the participants enjoyed making applications using this tool.

"The price of greatness is responsibility"-

Sir Winston Churchill

Student Experience

Internship Program experience of Mr. Abhishek Gogte (MMS – Marketing)

My internship has taught me more than I could have imagined. Apart from being a professional, I have had a great time in working with the company. Few important things that each and every intern has learnt in the organisation are :

- Behaviour and the decorum in the office
- Better understanding of my skill set and my future career prospects
- Managing different type of jobs and also handling the work pressure in a complacent way.
- Interpersonal skills to connect with others and having the right attitude.
- Ethics as it applies to your discipline. Working according to the company's policies, being honest with your seniors as well as yourself .



Department of Management Studies

Guest Lecture by Mr Merzad Daruwalla



Mr. Merzad Daruwalla, an alumnus and a part of the pilot batch of MMS of Vidyalkar Institute of Technology now working in Colgate Palmolive India Pvt Ltd as an area manager conducted the lecture on "Channel Management". Armed with 7 years of work experience, he has gained exposure to various facets of sales, dealing in highly competitive consumer product segment. He has completed his MMS degree from VIT in 2009 with Marketing as the specialisation and BSc-IT as the base graduation. He started the session by giving an overview of the general terms and concepts used in FMCG industry. As the session proceeded, Mr. Daruwalla explained the difference between consumers, shoppers and customers. Mr. Daruwalla also dealt with customer section in Colgate, hence specific emphasis was laid on customer segment of channel management. He explained each customer type and the advantages and disadvantages related to the relationship. Wholesalers were the least preferred channel but since wholesalers had to reach out to consumers which the company couldn't, the companies had to maintain a stable relationship with them. The lecture gave a broad overview to the current market trends and helped students gain a different perspective.

Seminar- 'Understanding MMS Admission Process'

The Centralized Admission Process (CAP) mandated by Directorate of Technical Education (DTE), Maharashtra State is a complex process with multiple rounds and requires aspirants to make intelligent decisions so as to secure the best admissions as per their needs. Not surprisingly, many aspirants were confused due to lack of clarity. We arranged multiple rounds of seminar to elaborately explain the process to the aspirants and clear their doubts. The great response to the first round on 20th May encouraged us to conduct the activity again on 7th Jun 2017.



Experiential Activity-'Experience MMS Life @ Vidyalkar'

A very unique experiential activity on 10th Jun 2017 was conducted which helped the aspirants get the insider's view by living a day of an MMS Student. This was widely advertised through Digital Marketing. The day long activity entailed activities inside and outside the classroom, interaction with distinguished faculty and MMS students, case study analysis, team assignments, among other things. The activity witnessed a very enthusiastic response and participation.



Editor:

Prof. Micky Barua, Department of Humanities