



## Vision of the Department:

To be recognized as a center of excellence in the field of Electronics Engineering where learners are nurtured in a scholarly environment to evolve into competent professionals to benefit society

## Mission of the Department:

- Evolve a curriculum which emphasizes on strong engineering fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in Electronics Engineering.
- Encourage a teaching-learning process in which highly competent faculty share a symbiotic association with the institutes of repute.
- Facilitate creation and dissemination of Electronics engineering knowledge through a digitally-enabled learning environment.
- Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.
- Establish a center of excellence to enhance academia – Electronics industry partnership and work on collaborative projects for benefit of society.

## Programme Educational Objectives

PEO1. To enable the students to apply Electronics Engineering knowledge to design technically sound systems, adapt to new technologies through lifelong learning and excel in their career

PEO2. To inculcate research and development ability and enable the students to analyze real life problems in diverse domains to become entrepreneurs

PEO3. To make the students understand human, social, ethical and environmental context of their profession and contribute positively to the needs of individuals and society

## Dr. Arun Chavan

HEAD OF DEPARTMENT, ELECTRONIC ENGINEERING

Hi Everyone,

During these final days of the semester, I would like to encourage my learners to work hard and give their best in the end semester examination.

I wish you a successful conclusion of the semester and an enjoyable, restful break thereafter. As we enter the final days of this semester, we celebrate our successes and experiences that have deepened our knowledge of the world, expanded our horizons, and allowed us to make connections with others who have challenged our assumptions and often provided support as we wrestle with deep questions. As part of an intellectual community with a long-standing commitment to public service, we have considered how, what we learnt in classrooms and laboratories around our campus can change the world.

We feel each student in our department is our responsibility and all our students should excel in all the examinations they face in life. So, to achieve this goal we have organized a two-day workshop "Continuum: Strengthening the learning curve" for the students' holistic development. This workshop will certainly help our students to excel in any examination confidently. Very soon this semester will come to an end and ESE will come knocking at your doorsteps. Now it is time to prepare yourself in advance for the upcoming ESE. I wish you a successful conclusion of the semester and best of luck for your end semester examination.

"Don't let what you cannot do interfere with what you can do." —John Wooden

## WHAT'S INSIDE

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“ An investment in knowledge pays the best interest - Benjamin Franklin ”

**VIT** Vellore Institute of Technology  
Stimulating Technology and Culture through Creativity

**FINTECH**  
FINANCIAL TECHNOLOGY

Seminar on  
**Fundamental analysis  
of  
STOCK MARKET**

Soic - Investment Made better

Has above 200k + subs

Gain knowledge about

- Picking Multibagger Stocks
- Portfolio Selection
- Insight on industry techniques

Date : 22 August 2022  
 Time : 4:45 onwards  
 Venue : Room M413

Preksha : 8356929479 Himanshi : 88508 60791

Participants gained knowledge about Stock Market, IPOs and many other financial terms.

- The Speaker made the seminar very interactive to the students who answered the questions.
- The students were very active and were interacting with the speaker and asked a lot of questions.
- The concepts of stock market and crypto trading was explained using live examples .

“The scientist discovers a new type of material or energy, and the engineer discovers a new use for it  
-Gordon Lindsay Glegg ”

## Student's Speak

Aditya Singh  
(TE ETRX B)



Hello Everyone,  
Hello everyone, my name is Aditya Singh. I am proud to be an Electronics student at Vidyalkar Institute of Technology.

I am truly grateful to have been blessed with such a wonderful and encouraging faculty who have allowed me to have such a wonderful experience at this institution. VIT is the ideal combination of fun and learning. VIT teachers and students maintain a very friendly relationship. University professors not only provide quality education, but also ensure that no students have any problems unanswered.

Here at VIT, my attitude towards life and my overall appearance are constantly evolving. Everything about the university is great and satisfying: staff, academics, infrastructure, internships, extracurricular activities. I'm studying Electronics Engineering, so I've always been interested in circuits. I encountered a variety of topics during the course, but SS (Signals and Systems) and LIC (Linear Integrated Circuits) caught my attention the most, being taught by professors such as Associate Professor Pravin Annadate Sir and Assistant Professor Amaya Pethe Mam in Vidyalkar, who have great expertise in their respective fields. They not only examined and cleared all of my small topics and doubts but also looking at them broadly.

The Electronics department has its own student committee named EESA (Electronics Engineering Students Association) wherein students get an excellent platform for learning and showcasing the technical as well as non-technical skills and to develop personality in a way that confidence is boosted up.

This department offers world-class laboratories and cutting-edge tools to improve the quality of learning. As a result of the epidemic, the quality of education and administration has not changed. In order not to lack practical knowledge even in a pandemic, I was introduced to various open source software by an electronic engineering faculty member. In addition, various courses such as MOOC (Massive Open Online Course), Coursera, edX, and MATLAB courses were provided, and I was able to obtain practical information in addition to academic knowledge. It goes without saying that the department has set up a Student Development Program (SDP). This program gives students a glimpse into the world of business by meeting famous businessmen and celebrities. Participating in departmental EESA committees to improve your skills has always been enlightening for us.

In conclusion, I would like to proudly say "VIT has given me my most memorable and fun learning experience I ever had"

“ Nobody is bothered about an institution more than its alumni-N. R. Narayana Murthy ”

## Know an Alumnus

Sanchita Khadtar (2019-2022)

Students of one of the best colleges in Mumbai, it's a privilege to share my engineering journey at Vidyalkar Institute of Technology with you. Vidyalkar's has been a phenomenal experience for me. When I was shortlisting colleges after my diploma, I knew I wanted to be in an institute that offered opportunities for me to improve as a person. VIT has provided me with so many opportunities to grow, resources to use, and time to contemplate who I truly am. These resources gave me the knowledge to take the next steps in my career and allowed me to push forward and become the best version of myself. VIT is the best engineering college in Mumbai as it has a strong vision for the holistic development of its students. VIT gives its students international exposure when it comes to educational visits, internships, etc.

College is one of the most memorable parts of a student's life, whether it is about friends, professors, or growth in life. We have to make so many decisions as they will have an impact on our careers and future lives. My development began during my Vidyalkar college years, and it would not have been possible without such enthusiastic professors who are experts in their fields. I think I was the student with so many questions in every lecture, but my professors were so supportive that they were ready to solve my queries even if I asked them a 10th time. I have so many memories with every professor, and those days I count as the best days of my life. My professors, Javed Patel Sir, Uma Maam, Amaya Maam, Manoj Sir, Rakshak Sir, Annadate Sir, Amit Sir, Nisy Maam, Prachi Maam, Velankar Sir, Akshtha Bhatt Maam, and Girish Sir, they were the life of our electronics department, and I consider myself fortunate to have had the opportunity to learn from them. I may not remember the content of books, but they taught me how to fight in life and grow at different stages.

In the COVID-19 lockdown period also, Vidyalkar teachers helped me a lot. If I had a doubt, I call them. They helped me solve my doubts. Literally in lockdown, Vidyalkar helps a lot. One thing I like about Vidyalkar teachers is that they don't just focus on one student; they consider everyone from the first to the last bench. I like their time management. Vidyalkar is the only college where you do not require any external material. The teacher's notes are enough. If a student attends the class regularly and completes the book, then they do not require any coaching classes. The teacher's notes are enough.



Vidyalkar gives 100% placement to the students. The institute maintains strong ties with the industry and arranges opportunities for student interactions through industrial visits, guest lectures, internships, conferences, and workshops to help them get a corporate perspective.

It was not only the academics that enriched my life here at VIT; being a part of the EESA team and conducting numerous events throughout the last 2 years was an experience in itself. The depth of knowledge and moments that we shared in this college was priceless, it has helped in creating a very strong network with the students and various industry experts.

What I am today is because of the knowledge and values that Vidyalkar has taught me. VIT provides its students with an altogether rich experience. The infrastructure, facilities, college festivals, and technical events are simply mesmerising. My journey at VIT was an exciting one, and it has helped me to transform my personality and attitude towards my career. This college provides so many opportunities for the students. I can say, the professor helped me beyond the words. Students are given top priority in college. I really believe that it is a privilege, and I am glad to be a part of VIT.

VIT will always be instrumental in empowering your mind with a more open one, so keep your head up when you call yourself an engineer, and always have pride in saying, "I am a VITIAN." Lastly, "Be sure with vidyalkar" as a great asset for your life.

“ Technology is best when it brings people together”-Matt Mullenweg.”

## EESA

EESA handover ceremony was held on 22/09/2022, in the presence of Convener - Prof. Akshatha Bhat, HoD - Dr. Arun Chavan, DAO - Prof. Pravin Annadate and Faculties and Students of the Department.



## DEPARTMENT STAFF

**Dr.Sangeeta Joshi**

Professor



**EDUCATION QUALIFICATION:**

PhD in Microelectronics, IIT Bombay

**WORKING EXPERIENCE**

Teaching Experience: 33 Years

Research Experience at IIT Bombay: 03 Years

Administrative and Managerial Experience: 20 Years

Technical Papers Published: 110

Doctoral Students Guided: 05

Masters' Students Guided: 17

**AREA OF SPECIALIZATION:**

Embedded Systems

VLSI

**Prof.Amol Sakhalkar**

Assistant Professor



**EDUCATION QUALIFICATION:**

ME

**WORKING EXPERIENCE:**

Industry Experience: 34 Years

Technical Papers Published: 1

**AREA OF SPECIALIZATION:**

Embedded Systems

VLSI

“ To succeed in your mission, you must have single-minded devotion to your goal-A.P.J. Abdul Kalam ”



The event started at around 10:00 AM. Everyone was excited about this hands-on workshop.

The speaker for the workshop was Mrs. Lavina Utamani Sharma. She is currently a senior UX Designer at YUJ Designs, Co-founder of Kidzpreneur, and design Educator UX at ImaginXP. Ms. Varnika Bhoga was the host of the event. She gave a brief introduction about IEEE and the speaker. After that, General Secretary Ms. Riya Modi felicitated our speaker Mrs. Lavina Utamani Sharma.

The workshop was divided into two sessions.

The first half of the workshop was about learning design thinking and the second half was about implementing it to solve real-world problems. The speaker started the workshop with her introduction and continued with how she became the first engineer in her family. She also mentioned the challenges she faced and how she overcame them. She further explained what a design is, with the help of one of the quotes by Steve Jobs. It was "Design is not just what it looks like & feels like. Design is how it works" Then she asked all the participants to write 6 adjectives that describe them. Participants took an active part in enlisting them and explaining to the speaker. After that, she presented a video about how designs will change the life around us in the future. The next task was to enlist all the traits that make us creative. Everyone listed the required traits. The speaker explained the difference between Convergent Thinking and Divergent Thinking. The next activity was based on practicing divergent thinking. She gave 10-minute to think and write 100 different uses of pencil on a sheet of paper given to each group. Every group came up with a minimum of 50 use cases. One of the groups wrote more than 80 use cases of a pencil. The first session finished at about 12:45 PM. The speaker started with the second session of the workshop at 1:45 PM. The speaker presented the video on designing as the intersection of technology and biology. It was a TED Talk by Neri Oxman.

After that, she started explaining the meaning of design thinking. Then she moved to the difference between design and design thinking. She explained 3i Design Thinking Process: Inspire, Ideate and Implement. She gave a problem statement to take inspiration from nature and try to solve problems in online education. It was a 10-minute group activity. Every group used 3i Design Thinking Process to solve the problem statement. Every group designed presentations and explained their ideas to solve problems in online education. There was excellent interaction between participants and the speaker. A feedback form link was shared with all the participants to avail their E-certificates. A vote of thanks was given by the chairperson Mr. Karzan Kumana. He then gave a memento to the speaker as a memory of this event. The event ended at 5:00 PM.

“ The advance of technology is based on making it fit in so that you don't really even notice it, so it's part of everyday life- Bill Gates ”

## Department updates

- Dr. Sangeeta Joshi received “Best Teacher Award” from University of Mumbai for urban area for the Academic Year 2019-20. The ceremony was conducted on 5<sup>th</sup> September 2022.
- Dr. Sangeeta Joshi was invited as a peer team expert for Mock NAAC at D.Y.Patil Universities' of school Engineering on 23<sup>rd</sup> September 2022.
- Dr. Sangeeta Joshi was invited as a resource person for academic and administration audit at Shree L R Tiwari College of Engineering on 22<sup>nd</sup> August 2022.



- Dr. Arun Chavan has voluntarily contributed as a reviewer of papers for IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2022), organized by IEEE MP Section and ABV-IIITM Gwalior, India on 21-23 December 2022.
- Dr. Arun Chavan has successfully attended Webinar on Data Privacy - A Humanistic Perspective on 10 September, 2022, organized by BVICAM, New Delhi.
- Dr. Girish Gidaye received Appreciation Award for his contribution as session chair in IEEE TENSYP2022 at IIT Bombay on July 2-3, 2022.
- Dr. Nayana Mahajan was a reviewer for the 2022 3rd International Symposium on Automation, Information and Computing (ISAIC 2022) organized by Beijing Jiaotong University and will be held online during December 9-11, 2022.
- Prof. Akhil Masurkar was speaker for Career Development Program organized by IEEE Bombay Section young Professionals in collaboration with IEEE SAKEC and Training Placement Cell SAKEC conducted on 30<sup>th</sup> September 2022.

## UPCOMING EVENTS

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- Worldwide IEEE EXTREME Coding Competition : 22<sup>th</sup> October 2022
- SDP Skill Set Development October-November 2022
- Android Workshop-November 2022
- Visit to TIFR.-December 2022

“  
We are what our thoughts  
have made us; so take care  
about what you think. Words  
are secondary. Thoughts live;  
they travel far.  
-Swami Vivekanand  
”

THE  
**EDITORIAL TEAM**

PROF. AMAYA PETHE

Chief Editor