



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,

Welcome to the beginning of Even Semester 2022-23, the semester will be started with full of enthusiasm and energy. The teaching pedagogy here also inculcates experiential learning, collaborative learning, with a focus on group discussions, just-a-minute sessions, puzzles/paradoxes roles, quizzes, fish bowl exercises and formal debates which will increase student involvement and comprehension. Needless to say, with academics we also have planned good co-curricular activities through EESA, IEEE and other committees.

Our students are provided with an education, strongly based on the fundamentals, imparted with creativity and innovation with a strong ethical responsibility, values and teamwork. They are well prepared to take a leadership role at different levels in industry, academics and government organizations. They carry with them a desire for self-directed continuous learning, dedication and leadership qualities.

" Things work out best for those who make the best of how things work out."

WHAT'S INSIDE

Fintech Activity
ExcelR Activity

Student Talk
• Rutwij Muley

Alumnus Talk
• Siddhesh Soyane

EESA Activities
Department Staff
• Dr. Sheetal Patil
• Prof.Uma Jaishankar

• IEEE Activities

Departmental Updates



“ The ideal engineer is a composite ... He is not a scientist, he is not a mathematician, he is not a sociologist or a writer; but he may use the knowledge and techniques of any or all of these disciplines in solving engineering problems—Nathan W. Dougherty,

”



FINTECH-VIT arranged the talk on The What, Why and How: Of Entrepreneurship and Fundraising on October 14, 2022. The concepts of leadership and entrepreneurship was explained by a very basic flowchart but so precisely that so much of understanding developed.



ExcelR, under their flagship "Everyday Learning program"(EDL) Conducted virtual training program On Tableau for the duration of 30 Hours from October 4,2022.



Department of Electronics and R&D committee arranged the session on proposal writing on December 9-10,2022 for faculty.

“The way to succeed is to double your failure rate —Thomas J. Watson”

Student's Speak

Rutwij Muley

(BE ETRX B)



Hello Everyone,

Knowledge, creativity, skills, and experience: these are essential qualities needed to excel in the field of Electronics Engineering, hence my desire is to develop them to the highest possible level. Hello everyone, my name is Rutwij Abhijit Mulye, and I am a proud undergraduate student of Electronics Engineering at Vidyalkar Institute of Technology. Since my first day of engineering, I have been grateful enough to gain my knowledge from such outstanding and supportive faculty members which further helped me in strengthening my skill sets towards electronics. They are also the reason I am having such an overwhelming experience in this institute. Here in VIT, the professors not only provide quality education but, also ensure that not a single student faces any kind of difficulty in understanding any concept. Everything about the college that is its staff, faculty, infrastructure, placements, and extracurricular activities are excellent and satisfactory.

As a student of Electronics Engineering, I have always been around circuits. During my undergraduate program, I was exposed to various core subjects but Microcontroller and its applications, Digital logic circuit and Power electronics were what attracted me the most. These subjects were taught by Assistant Professors Mr. Manoj Suryawanshi, Mrs. Amaya Pethe and Associate Professor, Dr. Nayana Mahajan respectively. At Vidyalkar, I am blessed to get extremely experienced professors in this field, who encouraged me to not only go through all the minute concepts but also mind storm in problem solving and gain a broader perspective towards it. I would personally express my gratitude to Assistant Professor Mr. Manoj Suryawanshi for letting me gain an internship in the IOT domain and paving a way to learn new skills required for INDUSTRY 4.0.

The department provides well equipped laboratories and the latest software that are currently trending in the electronics industry that enhances studying quality and develop latest skillsets making students industry ready. Extra efforts were taken by the faculty in teaching and management of the courses by conducting various online activities like quizzes and crosswords. Faculties of the Electronics department made us familiar with different open-source software so that we gain hands on experience on the practical aspects of electronics instead of only focusing on the theoretical online lectures. They also introduced various courses like MOOC (Massive Open Online Course), Coursera, edX and MATLAB courses so that along with academics we can acquire practical knowledge as well. Not to mention, the department had also organized a Student Development Program (SDP) wherein we were introduced to renowned Industrialists and personalities for giving us a glimpse of the industrial world, along with that various non-technical extra circular activities were encouraged such as finance, share market, fitness training, entrepreneurship, etc. The department has a technical committee called EESA which conducts astute events all over the year where we can participate & improve our skills.

In conclusion, I want to say, “I am very sure with the Electronics department of Vidyalkar Institute of Technology” and I look forward to a prosperous year ahead!

“ The engineer has been, and is, a maker of history— James Kip Finch ”

Know an Alumnus

Siddhesh Soyane(2016-2020)

Students of one of the best colleges in Mumbai. As an engineering student of Vidyalankar Institute of Technology it was truly an integral and dynamic experience of my life. The life at VIT for a B.E undergraduate is in real sense a journey from a novice to an engineer who has an interdisciplinary knowledge in the field of engineering.

We here at Vidyalankar, as students do experience a digitization of education process and technological advancement being used in most of the academic and administrative procedures in the college.

There are various examples which I can put forth like V-Print , which is an integrated printing system, for most of our experiments are needed to be submitted in the printed form along with the block/circuit diagrams or line of code for software based experiments. So to make it convenient for students, one can from any computer system connect-ed to the internet can send the print command of the required document in various printable formats with couple of clicks. One needs to just scan his or her ID card and get the hard-copies.

There is access to a number of reference books both technical and management in the “Reference section” of the Library. We students do not need to do lot of paperwork as everything is with the help of computer and internet. And if one does not have that facility at home so he or she could sit in the Computer Center or in any vacant lab and get the work done.



The teaching-staff here is very welcoming towards the doubts of the grads and help us with best of their abilities. All professors are very encouraging for new innovative ideas and bringing those ideas into the reality. The whole department plays a vital role in the successful development of the final year projects and lot of efforts are taken to keep records of nuances of the project by each guide. Finally, I would say, Vidyalankar Institute of Technology has envisioned me to see the real life problems with altogether a new perspective, a vision of an Engineer to tackle them with an efficient and sustainable approach for the benefit of the society .

“ As engineers, we were going to be in a position to change the world – not just study it.”—Henry Petroski.

EESA

VIT VIT Vellore Institute of Technology Accredited A+ by NAAC

EESA VIT Presents

Guest Lecture On:
HEAVY ION ACCELERATOR INSTRUMENTATION AT TIFR

Working at PLF TIFR *Since 25 Yrs*

- ▶ SCIENTIFIC OFFICER D AT TIFR.
- ▶ A MEMBER OF IETE SINCE 2003.
- ▶ M TECH IN EMBEDDED SYSTEM FROM BITS PILANI

Catarina Rozario

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eesa.vit EESA VIT

Guest Lecture on Heavy Ion Accelerator instrumentation at Tata Institute Fundamental Research was arranged on November 2,2022 to make students aware of the heavy ion accelerator, Career opportunities in the field and working Methodologies followed at TIFR.

DEPARTMENT STAFF

Prof. Uma Jaishankar
ASSISTANT PROFESSOR

Dr. Sheetal Patil
ASSISTANT PROFESSOR



EDUCATION QUALIFICATION:
ME (Biomedical Engineering)

WORKING EXPERIENCE
Teaching Experience: 25 Years

AREA OF SPECIALIZATION:
Control Systems
Electrical Machines
Electronic Instrumentation



EDUCATION QUALIFICATION:
PhD

WORKING EXPERIENCE:
Teaching Experience:22 Years
Technical Papers Published: 06

AREA OF SPECIALIZATION:
Signal & System
Digital Signal Processing
Digital Image Processing

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



Orientation on IEEE-Xtreme: This orientation was organized by IEEE-VIT, in collaboration with IEEE-VSIT 26 September 2023-22. Participating in IEEE Xtreme will give better experience and exposure to real-world problem statements, which will help to sharpen the coding skills of participants.



IEEE Xtreme 16.0 2022

The IEEE Xtreme 16.0, the 24-hour global coding competition, was conducted on 22-23 October 2022 for budding coders all around the world.



“India's place in the Sun would come from the partnership between wisdom of its rural people and skill of its professionals Varghese Kurian ”

Department updates

- Dr. Sangeeta Joshi was an invitee for the IQAC meeting at SIES held on November 16,2022.
- Dr. Sangeeta Joshi was invited External Academic & Administrative Auditor for conducting the audit of Vidya Prasarak Mandal's Maharshi Parshuram College of Engineering at Velneshwar in the month of October 2022..
- Dr. Arun Chavan attended the webinar on cloud Computing : Technical and Business Perspective on December 17,2022 organized by BVICAM, New Delhi.
- Dr. Arun Chavan attended the webinar on Cyber Security on October 29, 2022 organized by BVICAM, New Delhi
- Dr. Nayana Mahajan guided the research project titled AGRIDRONE at 17th Avishkar at research conventional zonal round on December 23,2022 organized by University of Mumbai and Anchor Kutchi Engineering College, Chembur.

UPCOMING EVENTS

IEEE Events

- **Voyager**

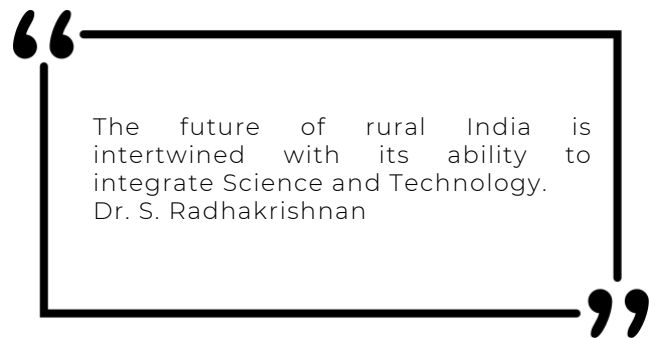
An amalgamation of seminars, workshops and enchanting fun events: Last Week of January to Last Week of February 2023

- **Technical Exhibition** : February 2023
- **IRIS**

Various talks/seminars by eminent personalities who have achieved milestones in different aspects of life: Last Week of March

EESA Events

- Calculator Workshop: January 4, 2023
- Hackathon: February 20, 2023
- Fun Event: March 3, 2023
- Beyond the Horizon: March 22, 2023



THE
EDITORIAL TEAM

PROF. AMAYA PETHE
Chief Editor