



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, ELECTRONICS AND COMPUTER SCIENCE

Hello Everyone,

Welcome to another exciting semester, Even 2023-24. As we embark on this journey together, I want to extend a warm and enthusiastic welcome to all my dear students.

This semester promises to be a period of growth, discovery, and innovation. Now you're entering new semester to continue your academic journey, you are an integral part of our vibrant department. As engineers, you have chosen a path that involves not only acquiring knowledge but also applying it to solve real-world challenges.

While on this exciting journey of engineering, please remember the following points:

- Embrace Challenges: Engineering is about tackling complex problems head-on. Don't be afraid to step out of your comfort zone and take on challenges. Each obstacle is an opportunity to learn and grow.
- Collaboration is Key: Engineering is often a collaborative effort. Take advantage of the diverse perspectives within our community. Engage with your fellow students, professors, and industry professionals. Together, we can achieve more.
- Stay Curious: Engineering is a field that is constantly evolving. Keep your curiosity alive and stay informed about the latest developments in your area of study. Attend seminars, workshops, and explore new technologies to stay at the forefront of innovation.
- Balancing Act: While academics are important, don't forget to strike a balance between your studies and personal well-being. Take breaks, get involved in extracurricular activities, and make time for self-care.
- Utilize Resources: We have a wealth of resources available to support your academic and personal success. From dedicated faculty members to well-equipped labs and libraries, make the most of the resources at your disposal.

Remember, the journey you're embarking on is not just about earning a degree; it's about becoming a well-rounded, innovative, and socially conscious engineer. Embrace the opportunities that come your way, and don't hesitate to seek guidance when needed.

I look forward to seeing all that you will accomplish this semester. Best of luck, and let's make this a semester filled with achievements, growth, and memorable experiences!

WHAT'S INSIDE

Fintech Activity
ExcelR Activity

Student Talk
• Gandhar Sidhaye

Aluminum Talk
• Gauravi Bhagwat

EESA Activities
Department Staff
• Dr.Arun Chavan
• Dr.Pravin Annadate

• IEEE Activity

Departmental Updates



“ Make sure you have financial intelligence... I don't care if you have money or you don't have money... you need to go and study finance no matter what. – Daymond John ”

FINTECH Committee

Event on Poster Making Competition was conducted on 26th October 2023.

Objectives:

- To make students understand various advancements in the field of engineering and technology through posters.
- To bring out the creativity in students, to make posters and also make them understand as to how to make technical posters for future presentations.
- The Winner of the competition was Aniket Saw with his poster 'Voyager: A Journey beyond the Solar System' and the runner up was Mukeet Shetty with his poster 'Financial Management'



- EDL(Every Day Learning)-SDP (Student Development program) on Digital Marketing was conducted for 30 hours from 6th November 2023 | Time 6.00 PM – 8.00 PM | Weekdays.
- EDL(Every Day Learning)-SDP (Student Development program) on ChatGPT and Prompt Engineering for 15 hours, from 18th December 2023| Time 7.00 PM – 9.00 PM | Weekdays.

“Engineering is the art of directing the great sources of power in nature for the use and convenience of humankind.” – Thomas Tredgold”

Student's Speak

Gandhar Sidhaye

(BE ETRX B)



Greetings, my fellow readers! I hope this message finds you all in good spirits. As we gather here to reflect on the past year and anticipate the exciting times ahead, I, Gandhar Sidhaye, student of EXCS department at Vidyalankar Institute of Technology, am honoured to address you in this newsletter.

Firstly, a heartfelt thank you to the Head of the Department (Mr. Arun Chavan), the Department Academic Officer (Mr. Pravin Annadate), and all our incredible senior and junior staff. Your astuteness and unwavering support have been instrumental in creating a thriving learning environment for all of us. Special thanks go to Prof. Sheetal Patil and my project guide, Prof. Javed Patel, for their unwavering guidance and support throughout the year.

This year has been a tapestry of enriching experiences. We embarked on a fascinating field visit to CIRCOT (Cotton testing industry) in Matunga, marking the 100th anniversary of the industry. From the antique instruments that once tested cotton to the cutting-edge technology in use today, it was an incredibly informative journey.

In addition to these immersive experiences, our teachers have gone above and beyond to ensure a well-rounded education. Each semester, they organized guest lectures featuring industry experts. These sessions not only helped us develop a deeper understanding of our fields of interest but also paved the way for exciting internship opportunities. It's this commitment to exposing us to real-world insights that sets our department apart.

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Let's not forget the vibrant energy of Electro spark, our department's flagship event which was organized by our departmental committee 'EESA'. Last year's edition was a resounding success, drawing enthusiastic responses from all batches throughout the week. The diverse array of activities, from showcasing innovative projects to exploring artistic creations using electronic components, quiz, added an extra layer of excitement and learning. It was not just an event; it was a celebration of our collective passion for electronics. I remember Prof. Amaya Pethe helping me in Poster making which led my team to 2nd Prize.

As we look ahead to the coming year, let's carry the wealth of knowledge and inspiration gained from experiences like the CIRCOT visit, guest lectures, and 'Electrospark.' Together, we can continue to explore, learn, and contribute to the ever-evolving landscape of electronics and computer science.

In closing, I'm excited about the prospects that await us. Here's to another year of growth, learning, and memorable experiences in the EXCS department.

Thank you for being part of a vibrant and supportive department.

“ An institution of higher education is a partnership among students and alumni, faculty and administrators, donors and trustees, neighborhoods and more, to build a community - and a culture. ”
Ben Sasse

Know an Alumna

Name: Gauravi Bhagwat

BE Tenure: 2018-2022



Success usually comes to those who are too busy to be looking for it. -Henry David Thoreau.

I am Gauravi Bhagwat, it's been so many years I still remember my school and College days. I feel cherished and proud to be an alumni of such a reputed and honorable institution. The knowledge and experience gained here are and will always be helpful.

As an average student, I didn't thought of getting into this college, because in the First CAP Round, I was not allotted any college, without losing any hope I filled out the option form for the Second CAP Round. And finally Acquiring this college was a eureka moment. Further, I was a part of the Vidyalankar Institute of Technology to achieve big dreams and goals. Even today I cannot forget the first day of my college with a lot of pressure in my mind, and from that moment my Engineering journey got started in VIT.

Just a couple of weeks after the college started, the college appointed 1 mentor for Batch wise students. These mentors guide the course as well as many extra difficulties faced by the students that were apart from the course. Due to this, the pressure on the mind is gradually reduced. Even today I consider this initiative of VIT as a great boon in my life.

This college has given us unforgettable impressions. Those occasional class bunks, canteen gossip, late-night studies, hostel fun, life mantras from teachers, and countless other memories are about to stay in our minds forever.

Fest organizations and extra-curricular activities organized by the college increased our exposure, made us confident, and helped us a lot in striving and becoming what we are today. The wide range of tasks performed by us has given us a sense of responsibility towards our society and raised our conscience.

Not only has this institution given us a tremendous learning experience, but also given us a chance to participate in various social and cultural events. Leaving aside the non-scholastic activities, the lessons taught by our proficient professors have given us indispensable knowledge and guidance throughout our session. I am grateful to my teachers and professors for all their efforts to make us better persons support us throughout our college journey and of course, help us score good grades.

I have seen this institution growing and grooming every single day because of this highly ambitious and committed faculty. It is their courage, hard work, and patience that have helped in producing bright students who have done well in their respective careers. I have seen many of my batch mates who have reached extreme heights in their careers and have established their names in their respective industries. All thanks to our respected Principal and Teachers! Without you, it would not have been possible to tread such a great path.

“ The human spirit must prevail over technology- — Albert Einstein ”

EESA



The event was conducted On 17th October 2023

- To help students grasp the fundamentals of the Linux Operating System, Command Line Interface, and Linux Terminal.
- Highlighting the key differences between the Linux and Windows operating systems.
- Introducing new platforms for cyber security to the pupils.
- Advising students on how to begin a career in CLI & Cyber Security.



The event was conducted On 20th October 2023

This activity was conducted to give students of First Year a brief idea about research papers.

- Choosing the right title
- Writing a powerful abstract
- Preparing an effective outline
- Putting up an engaging introduction
- Accurate description of the methodology, discussions etc.
- Finding multiple credible resources
- Revision of the draft prepared and its methodology

DEPARTMENT STAFF

Dr.Arun Chavan
PROFESSOR

EDUCATION QUALIFICATION:
PhD

WORKING EXPERIENCE

Teaching Experience: 30 Years
Administrative and managerial Experience: 10 Years
Technical papers Published: 18
Doctoral/Masters Students Guided: 9

AREA OF SPECIALIZATION:

Embedded Systems and Signal Processing



Dr.Pravin Annadate
PROFESSOR

EDUCATION QUALIFICATION:
PhD

WORKING EXPERIENCE

Teaching Experience: 32 Years
Industrial Experience: 01
Administrative and Managerial Experience: 7 Years
Technical Papers Published: 08
Books Authored: 02

AREA OF SPECIALIZATION:

Electrical machines and Signal Processing



“Science can amuse and fascinate us all, but it is engineering that changes the world.”—Isaac Asimov

IEEE Events

IEEE Quarter Tech Talk Table 11.0
presents a panel discussion on
Upskilling Undergrads: Challenges, Opportunities & Pathways

Meet our Panelists

- Huzail Shafi**
Solutions Architect | Smart Cities & Business Process Automation, Cisco
- Jinu George**
Senior Operations Manager
IEEE Support Engineering
- Aishwarya Bandla**
Adjunct Senior Research Fellow
Institute of Technology of Engineers & Technicians, VIT-EC, VIT Vellore (2023)
- Poonam Chaudhary**
Assistant Professor, The Institute of Engineering & Technology, VIT-EC, VIT Vellore (2023)

Register & Join us
16th December, 2023
(9:00 AM - 5:00 PM IST)
VIT Auditorium, Mumbai, India

IEEE Quarter Tech Talk Table 11.0

16th December, 2023
(9:00 AM - 5:00 PM IST)
VIT Auditorium, Mumbai, India

IEEE Quarter Tech Talk Table 11.0
presents

Guests of Honor

- Kharita Duanghaemkarn**
PhD, IEEE Engineering Council, Director of Engineering Committee 2023
- Jyotika Ashavale**
President 2024, IEEE Computer Society
- Bozena Pasik Duncan**
Professor at The University of Kentucky, USA
- Prashant R Nair**
Chair, IEEE Technical Committee
- Ramalatha Marimuthu**
Director of Quality Management for Sustainable Development

16th December, 2023
(9:00 AM - 5:00 PM IST)
VIT Auditorium, Mumbai, India

A group of IEEE Young Professionals & Impact Creators gathered on December 16, 2023 (09:00 AM – 5:00 PM IST) to form a collaborative platform at “Quarter Tech Talk Table 11.0 (QT3)” in the form of a Panel Discussion on the topic - “Upskilling Undergrads: Challenges, Opportunities & Pathways”. This was conducted in collaboration with the IEEE Computer Society, IEEE Region 10 Women in Engineering 2023, IEEE SSIT UAT TC, IEEE TV and Vidyalankar Institute of Technology, Mumbai, India as our Host.

IEEE Xtreme Programming Competition 17.4

LET'S EXPLORE XTREME

IEEE Xtreme is IEEE's premier programming competition, bringing thousands of students from around the world together into a 24-hour event

REWARDS

- 1st Place: Travel & accommodations to choice of IEEE conference, up to \$3,500 per team member
- 2nd Place: 400\$ Cash Award to each member
- 3rd Place: 300\$ Cash Award to each member
- 4th-100th Place: Gift Bundle & Topcoder T-Shirt (One Each)

DETAILS

- Teams must consist of 1 to 3 members who are IEEE Student or Graduate Student members.
- A team can include a maximum of 2 Graduate Student members.
- Each team must have a proctor to supervise during the 24-hour programming competition and a proctor can only serve maximum of 20 Teams.
- Team members must solve and complete the problems without assistance from others.

No Registration fee!!
All IEEE student members can register for IEEE Xtreme

Follow us at: fb.com/IEEE Xtreme
To reach IEEE Xtreme Team: IEEE Xtreme@ieee.org
To know more visit: IEEE Xtreme.org

TIME: 00:00:00 UTC - 23:59:59 UTC
05:30:00 IST - 04:59:59 IST
Registration Till: 14 Oct 2023
Competition Date: 28th Oct 2023

Sanskriti: 9004550255 | Riddhi: 87799 09604

IEEE-VIT PRESENTS PHOTOGRAPHY CONTEST LENS FOR A CHANGE
Open For All Photographers And Enthusiasts

THEME: CLIMATE CHANGE

PRIZE: IEEE STUDENT MEMBERSHIP

1st - 11th
OCT 12:00am - OCT 11:59pm

Sanskriti: 9004550255 | Riddhi: 87799 09604

“ Sometimes you need a change not because something is outdated but because it needs to be updated.”
 — Hrishikesh Agnihotri ”

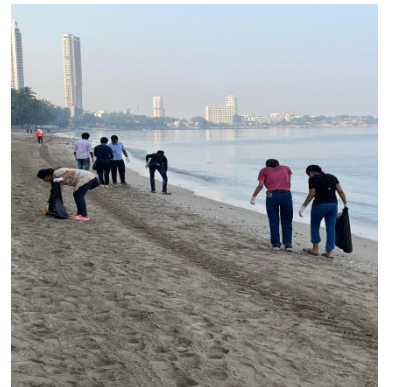
Department updates



Mini-project exhibition **Digipro** for the first year students was organized by the department of Electronics and Computer Engineering on December 1, 2023 from 4 p.m. to 6 p.m. in boxing area. The aim of this event was to showcase the talents and innovative ideas of the students thereby encouraging them towards innovation and ideation in the future.



As a part of social internship, students with Prof. Rajashree Soman visited Mahim Beach on 23rd December 2023 for Beach cleaning activity.



An Industrial visit has been arranged at CIRCOT(Central Institute for Research on Cotton Technology) on 19th October 2023



A 2-day workshop on Application of conventional image processing and deep learning was arranged on October 7-8,2023

Faculty Achievements

Dr.Sangeeta Joshi

- Academic Advisory Services at VSIT
- Nominated on Board of studies in Biomedical Engineering by University of Mumbai from October 2,2023.

Dr.Arun Chavan

Attended following webinars , organized by BVICAM, New Delhi

- “Leveraging Technology for a Better Tomorrow” on 02 October, 2023
- “AI in Hospitality and Tourism” on 07 October, 2023,
- “Media & Human Rights” held on 10th December, 2023
- Unleashing Digital Personal Data Protection Act (DPDPA) -2023 on 21 October,2023
- Human Values and Professional Ethics on 25 November, 2023
- Received Copyright for "Car Seat belt alarm notification" on December 15,2023

Dr.Sheetal Patil

- Work as a judge for the Internal Hackathon Competition at VIT.
- Data Structure book has been published under Nirali Prakashan.
- Worked as a reviewer for the conference IBSSC 2024.
- Received Copyright for "Car Seat belt alarm notification" on December 15,2023
- Completed one-week internship at "American Oncology Institute" Hyderabad from December 5-10,2023

Dr.Nayana Mahajan

Published the paper titled "Design and Simulation of Agriculture drone" in Journal of Technology December 2023

Prof. Amaya Pethe

- Successfully completed NPTEL 12 week course with consolidated score of 75%
- Worked as a reviewer for 6th international conference on emerging Technologies in Digital Transformation and Aligned education.

UPCOMING EVENTS

IEEE Committee

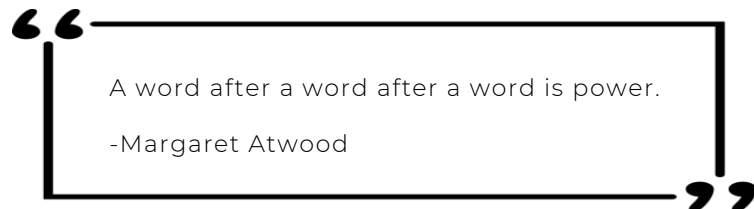
- IEEE Industrial Visit to Tata SSL, Boisar in 1st Week January 2024
- Distinguished Lecture Series in 4th Week January 2024
- Effective use of IEEE e-resources (Seminar) in 2nd week of February 2024
- Workshop on RC planes in 3rd week of February 2024
- IEEE-IRIS (Flagship Event) in 1st week of March 2024
- Technical Talk series by WIE senior members in 2nd week of March 2024
- Student Conference (By the students for the students) in 4th week of March 2024

EESA Committee

- Basics of JAVA Workshop on January 14, 2024
- Basics of semiconductor electronics on January 21, 2024
- Beyond the horizon on January 30, 2024
- Matrix-V on February 15, 2024
- Stack your Structures on February 24, 2024
- Electrovision on March 20, 2024
- Hackatronics (Flagship event) on march 30, 2024

Fintech Committee

- Algo trading super power to trader on January 24, 2024
- Candle stick analysis (workshop) on January 30, 2024
- Investors competition on February 16, 2024
- How to secure financial freedom on February 23, 2024
- ML I finance (workshop) on March 01, 2024
- Zeros and ones of finance on March 22, 2024
- Finthon on April 19, 2024



THE
EDITORIAL TEAM

PROF. AMAYA PETHE
Chief Editor