



## DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE (Formerly known as Electronics Department)

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### 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

## WHAT'S INSIDE

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FINTECH Activity  
R&D and FYQAC Activity

Student Talk  
• Shubham Chavan

Alumnus Talk  
• Shubhangi Hankare

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• Prof. Amaya Pethe

• IEEE Activities

Departmental Updates

## Dr. Arun Chavan

HEAD OF DEPARTMENT, ELECTRONIC ENGINEERING

Hi Everyone

We are entering into the final days of this semester, we celebrate our successes and experiences that have deepened our knowledge and expanded our horizons through the Department Week-ElectroSpark. As part of an intellectual community with a long-standing commitment to public service, we have considered how, what we learn in classrooms and laboratories around our campus can change the world.

As a student of our department, you will develop the theoretical understanding and the practical skills to build hardware and software solutions to the real life problems in the society. Our program provides a broad spectrum of courses and labs to give you the expertise and proficiency needed to thrive in our modern world. Experiential learning opportunities like hands-on labs, project-based courses, research projects, and internships provide a solid foundation to work in interdisciplinary teams that invent the future.

Best of luck for End Semester Examination (ESE).

Keep doing the hard work smartly !



“Thoughtful financial planning can easily take a backseat to daily life. ~ Suze Orman ”



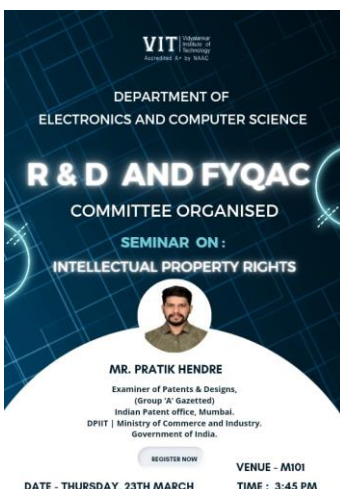
The Coding Crew (TCC) organized an event "Debug Entity" on 3rd February 2023. There were three levels in the event.

- You must code with the screen off.
- Debug the HTML program.
- Solving problem statements in C++.



FINTECH-VIT arranged the talk on "Mutual Funds and Financial Management" on 22/02/23. The following points were discussed in the session

- How to get high return on investments
- Portfolio Management
  - Smart Investment
  - Mutual Funds
  - Indian Tax Laws.



R&D and FYQAC-VIT committee organized seminar on Intellectual property rights on 23/03/23 to increase awareness of Intellectual property rights amongst engineer students.

The following points were discussed in the session

- The concepts of Intellectual property rights
- Necessity of Patent and Designs
- How to apply for copyrights and patents

“ Engineers like to solve problems. If there are no problems handily available, they will create their own problems-Scott Adams ”

## Student's Speak

Shubham Chavan

(BE ETRX A)



Hello Everyone,

My name is Shubham Chavan and I am glad to be an undergraduate student of Electronics Engineering at Vidyalankar Institute of Technology. I am very appreciative to have such an engaging and interactive faculty members who have helped me throughout 4 years of my undergraduate degree. VIT's mission is to evolve a curriculum which emphasizes on strong fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in contemporary subjects. VIT, very friendly relation is maintained between teachers and students. College faculties not only provide quality education but also see to it that not a single student has difficulty in understanding any concept.

VIT has a dedicated team of teachers who are committed to igniting the spark of creativity and inspiring a quest for knowledge in the minds of students. The highly qualified faculty comprises of a judicious blend of experience and expertise, aimed to motivate students to gain knowledge by using their personal qualities and their positive experiences. From college staff, professors, infrastructure, placements to extra-curricular activities everything is immaculate and satisfactory

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

## Know an Alumnus

Shubhangi Hankare(2015-2018)

"Success is not final, failure is not fatal: it is the courage to continue that counts." - Winston Churchill

I am Shubhangi Dattatray Hankare, and I graduated from Vidyalankar Institute of Technology with a degree in Electronics Engineering in 2018. It was one of the proudest moments of my life to receive my degree from this esteemed institution, which has been a significant part of my life.

I am thrilled to share with you all that I am currently pursuing my Master's in Supply Chain Management at Richard A. Chaifetz School of Business-Saint Louis University, United States, and also worked as a Senior Analyst (Procurement Operations) at WNS Global Services. I have around 4.5 years of work experience, where I've had the opportunity to work with three different companies. My journey to this point would not have been possible without the foundation laid by Vidyalankar Institute of Technology.

The college provided me with a diverse environment where I could learn and grow as a person. The faculty at VIT played a vital role in shaping my career by providing me with the knowledge and resources to succeed in my chosen field.

The experiences I had at VIT extended beyond academics. I was a part of various clubs, including the IEEE team, which helped me develop my skills and create a network with my peers and industry experts. I also participated in cultural and sports activities, which enhanced my social interaction skills and overall well-being.



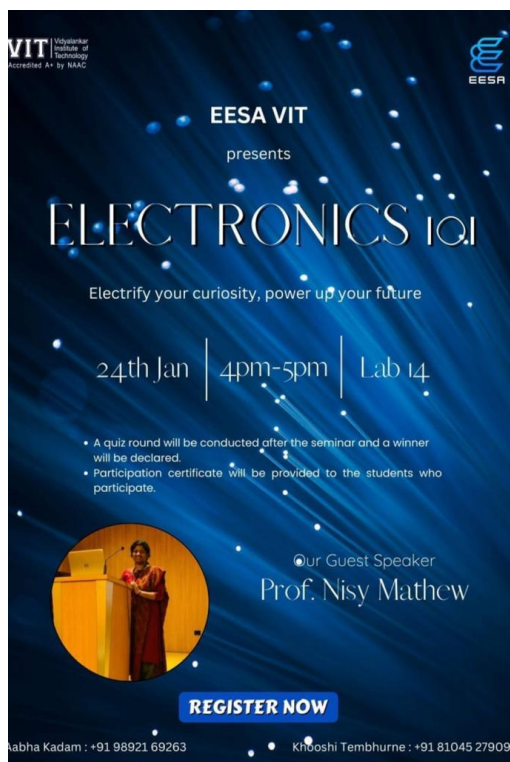
My journey as a student and an alumna of VIT has taught me many valuable lessons, but the most important of all is to never give up. I urge all of you to reflect on your journey and remember that you are going to graduate at an amazing time. You have the technologies and resources to make an impact that previous generations did not have. I hope that 30 years from now, you will come back to VIT and reflect on what you have done with your talent and energy. I hope we all will judge ourselves not only on our professional accomplishments but also on how well we have addressed the world's deepest inequities and problems.

In conclusion, VIT will always be instrumental in empowering your mind to be more open. Keep your head high when you call yourself an engineer and always have pride in saying, "I am a VITIAN." I wish you all the very best for your future endeavors.

Thank you.

“ Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away.”-Antoine de Saint-Exupery

## EESA



VIT Vellore Institute of Technology Accredited A+ by NAAC

EESA

EESA VIT presents

# ELECTRONICS IQI

Electrify your curiosity, power up your future

24th Jan | 4pm-5pm | Lab 14

- A quiz round will be conducted after the seminar and a winner will be declared.
- Participation certificate will be provided to the students who participate.

Our Guest Speaker  
**Prof. Nisy Mathew**

**REGISTER NOW**

Abha Kadam : +91 98921 69263 • Khushi Tembhone : +91 81045 27909

To bring more knowledge to the students about lab components.

□ Students should be thorough with the components at this stage so that there won't be difficulty in understanding the practical's further

□ Ideas for circuit construction/creation

## DEPARTMENT STAFF

**Prof. Pravin Annadate**  
ASSOCIATE PROFESSOR

**Prof. Amaya Pethe**  
ASSISTANT PROFESSOR



**EDUCATION QUALIFICATION:**  
ME (Electrical)

**WORKING EXPERIENCE**

Teaching Experience: 32 Years  
Research/Industrial Experience: 01 Years  
Technical Papers Published: 08  
Books Authored: 02

**AREA OF SPECIALIZATION:**

Basic Electrical Engineering  
Electrical Network Analysis Synthesis, Control System  
Signals & Systems

**EDUCATION QUALIFICATION:**  
M.S.(Electronics)

**WORKING EXPERIENCE**

Teaching Experience: 28 Years  
Research/Industrial Experience: 06 Years

**AREA OF SPECIALIZATION:**

Electronic Devices  
Digital Electronics  
MEMS Technology



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



Voyager 2023: Robotic Process Automation:

Date: 10th Dec 2022 to 11th March 2023

Day: Saturdays

Time: 10.00 am to 3.00 pm

Platform: Offline VIT- campus

Participants were introduced to the world of automation with the help of several exciting activities. The event also primarily focused on team-building and teamwork, which would help them to develop the soft skills as well as to share their perspectives and notions with each other facilitating the flow of ideas and help them to solve real-life problems to make our lives more efficient and better.



Activity Title: Voyager 2023: Shark Tank

Date: 17th March 2023 and 18th March 2023.

Day: Friday and Saturday

Time: Friday: 16.00 hrs to 18.00 hrs

Saturday: 9.00 hrs to 19.00 hrs

Platform: Offline VIT- campus: M101, M206.

Shark Tank can be a valuable learning experience for entrepreneurs. They can learn from the feedback and questions of the sharks, as well as from the experiences of other entrepreneurs who have pitched on the show.



“Strategic use of intellectual property can give a business several years of protected competitive advantage.” Hendrith Vanlon Smith Jr, CEO of Mayflower-Plymouth”

## Department updates

- Department of Electronics and Computer science has signed an MoU on 17-02-2023 with Go Green technologies Pvt Ltd. Go Green technologies works basically on Cyber-Physical Systems and Digital Power Electronics applications. The Department will be conducting various activities to bridge the gap between the industry and academia.



- Dr. Sangeeta Joshi
  - Invited to deliver the Inaugural address in STTP program on LINUX Server Administration organised by Shah and Anchor Kutchhi Engineering College on January 2,2023.
  - Invited as an evaluator for Ramkrishna Bajaj National Quality awards at K.G.Joshi college of Arts and Bedekar College of Commerce on January 9-10,2023.
- Dr. Girish Gidaye have been granted a patent by the Government of India for my invention "SMART VOICE MODULATED INDOOR NAVIGATING WHEELCHAIR".
- Prof. Pranita Padhye completed 5-days Faculty Development program on "Data Science with Python organized by Shridevi Institute of Engineering and Technology in collaboration with Excel-R from 30<sup>th</sup> January to 3<sup>rd</sup> February 2023.
- Dr. Arun Chavan of Vidyalkar Institute of Technology, Mumbai has successfully attended 6 Webinars from February to March,, 2023,organized by BVICAM, New Delhi
- The Department of Electronics and Computer Science organized a technical event, "ElectroSpark," from 13/03/2023 to 17/03/2023. The event witnessed enthusiastic participation from students and department staff. The five-day event had a range of activities, including a project exhibition, poster presentation, art-tronics, technical quiz, and a technical talk.



## UPCOMING EVENTS

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### EESA Events

- Hackatronics : April 13-14,2023

Vice President Mr. Sanjay Chavan from TVS Motors will be one of our Jury Member on the Finale.

**“ Self-examination not moral or spiritual, but secular – that is, a survey and analysis of local conditions in India and a comparative study of the same with those in other parts of the globe-Mokshagundam Visvesvaraya ”**

THE  
**EDITORIAL TEAM**

PROF. AMAYA PETHE  
Chief Editor