



### 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

Hi Everyone,

We are into the final days of the semester, I would like to encourage my learners to work hard and give their best in the oral/practical and end-semester examinations.

I wish you a successful conclusion of the semester and an enjoyable, restful break after that. 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 connect 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 learned in classrooms and laboratories around our campus can change the world.

The motto of our department is 'Nothing can we achieve without genuine efforts'. We feel each student in our department is our responsibility and all our students should excel in all the examinations they face in life. 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 with 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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ExcelR Activity

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Student Talk

- Haider Rampurwala
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Aluminum Talk

- Gaurang Gadgil
- 

FinTech Activity

Department Staff

- Prof. Rajashree Soman
  - Prof. Nisy Mathew
- 

Department Updates

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“ There is only one corner of the universe you can be certain of improving, and that's your own self – Aldous Huxley ”

Student Development Program  
**CRACKING CODING INTERVIEWS: THE COMPLETE GUIDE**

**Most important for All Final Year Students**

in Collaboration with  
**Telangana Academy For Skill and Knowledge (TASK)**

Get Certificate Of Participation for **FREE**

**09<sup>TH</sup> SEP 2024**  
 07:00 PM - 09:00 PM  
 (2 HRS PER DAY)

**SCAN ME!**

Registration Link :  
<https://www.excelr.com/excelr-free-courses-registration-form>

+91 96069 57287 | [edl@excelr.com](mailto:edl@excelr.com) | [www.excelr.com](http://www.excelr.com)

EDL(Everyday Learning)- SDP(Student Development Program) on cracking coding Interviews for 30 hours.\*

Program Start Date: September 9 , 2024  
 Duration: 30 Hrs (2 Hrs Per Day)  
 Time: 7.00 PM to 9.00 PM  
 Mode Of Training: Online

Learner's achievements  
 Lifetime access to LMS  
 Trainers are from Industry  
 Assignments  
 Digital Certificate of Participation

30 Hours Student Development Program on  
**SALESFORCE**

in Collaboration with

- K L University, Andhra Pradesh
- NITTE NMAM Institute of technology Dept of MCA, Karnataka
- Chaitanya Bharathi Institute of Technology, Telangana
- RMD Sinhgad Technical Institutes Campus, Warje, Pune-58, Maharashtra

**15 JULY '24**  
 7:00 PM - 9:00 PM  
 (2 HRS PER DAY)

**SCAN ME!**

Registration Link :  
<https://www.excelr.com/excelr-free-courses-registration-form>

+91 96069 57287 | [edl@excelr.com](mailto:edl@excelr.com) | [www.excelr.com](http://www.excelr.com)

EDL(Everyday Learning)- SDP(Student Development Program) on Salesforce for 30 hours.\*

Program Start Date: July 15th, 2024  
 Duration: 30 Hrs (2 Hrs Per Day)  
 Time: 7.00 PM to 9.00 PM  
 Mode Of Training: Online

Learners achievements  
 Lifetime access to LMS  
 Trainers are from Industry  
 Assignments  
 Digital Certificate of Participation

“ Engineering is the closest thing to magic that exists in the world – Elon Musk ”



## Student's Speak

### Haider Rampurwala

(TE EXCS B)

Greetings from the Department of Electronics and Computer Science!

As a proud member of the EXCS department at Vidyalankar Institute of Technology, I, Haider Rampurwala, am delighted to share with you the latest updates and achievements from our dynamic community of students and faculty.

Our department thrives on innovation, collaboration, and a commitment to excellence, and none of this would be possible without the unwavering support and guidance of our esteemed Head of Department, Dr. Arun Chavan, and our dedicated Department Academic Officer, Ms. Uma Jaishankar. Their leadership has been instrumental in fostering a learning environment where we can grow and excel. I would also like to extend a special thanks our Academic Co-ordinator Ms. Akshata Bhat for her continuous encouragement and valuable contributions to our department's growth and success.

This year has been an exciting journey filled with learning and growth. We had the incredible opportunity to undertake a summer internship at IIT Bombay in collaboration with the WEL Laboratory, where we delved into working with the 8051 microcontroller. This hands-on experience was invaluable, providing us with deep insights into embedded systems and real-world applications. It was a highly enriching internship that left a lasting impact on our technical knowledge.

In addition to technical and creative pursuits, we were also encouraged to give back to the community through the SSI (Social Service Internship). This initiative saw students partnering with NGOs like Seva Sahayog, participating in beach cleanups, and visiting the Hariyali Nature Reserve to support environmental conservation. It was a fulfilling experience that helped us contribute meaningfully to society.

We must also highlight the excitement of Electro Spark, our department's flagship event, organized by ECSA (Electronics and Computer Science Association). Last year's edition was a tremendous success, garnering enthusiastic participation from students across all batches. The week-long event featured a vibrant mix of activities, including Artronics, where students showcased artistic creations using electronic components, and a competitive Poster Competition. One of the highlights was Pitchers, a Shark Tank-style event where students pitched their innovative ideas to a panel of judges. Electro Spark wasn't just an event—it was a celebration of creativity, innovation, and our shared passion for electronics.

As we look ahead, we remain excited about the opportunities for learning, growth, and innovation that lie ahead. Our department continues to be a space where curiosity meets creativity, and where students are empowered to turn ideas into impactful solutions. We are proud of our journey and eager to achieve even greater milestones together.

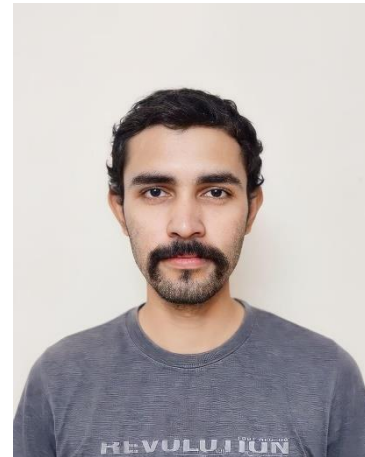
Thank you for joining us on this journey of knowledge and progress!

“ Engineering or technology is all about using the power of science to make life better for people, to reduce cost, to improve comfort, to improve productivity, etc.– N. R. Narayana Murthy ”

## Know an Alumnus

Name: Gaurang Gadgil

BE Tenure: 2020-2024



Embarking on an engineering journey at Vidyalankar Institute of Technology (VIT) has been a transformative experience, blending academic rigor, practical learning, and personal development. As a student of Electronics Engineering, the experience at VIT has been both challenging and rewarding, providing a strong foundation in engineering principles while also preparing me for the dynamic industry landscape.

VIT offers a robust academic environment that emphasizes both theoretical knowledge and practical skills. The curriculum for Electronics Engineering is well-structured, covering core subjects such as Circuit Theory, Digital Electronics, Microprocessors, and Communication Systems. The coursework is designed to build a solid understanding of electronics, with a balanced mix of lectures, laboratory sessions, and project work.

The faculty members at VIT are highly qualified and dedicated. Their extensive industry experience and academic expertise enhance the learning experience. They are approachable and supportive, often providing additional resources and guidance to help students grasp complex concepts. Regular assessments and examinations ensure that students stay engaged and measure their understanding consistently. The institute encourages students to participate in various workshops, seminars, and industrial visits. These activities expose students to current industry trends and practices, bridging the gap between academic knowledge and industry requirements. Additionally, collaborative projects with industry partners offer a glimpse into real-world challenges and solutions.

VIT offers various support services to enhance the student experience. Academic counselling, career guidance, and mentorship programs are integral parts of the support system. These services help students navigate their academic journey, plan their careers, and address any challenges they may face. The placement cell at VIT is proactive in connecting students with potential employers. The institute has a good track record of placements, with many students securing positions in reputable companies. The support provided by the placement cell, including resume building, interview preparation, and industry interactions, plays a crucial role in this success.

While the overall experience at VIT has been positive, there are areas where improvements could be beneficial. For instance, increasing the frequency and diversity of industrial internships and collaborative projects could further enhance practical exposure. Additionally, expanding the curriculum to include more emerging technologies and interdisciplinary subjects might better prepare students for the evolving industry landscape.

In summary, the experience at Vidyalankar Institute of Technology has been a fulfilling journey of academic and personal growth. The comprehensive curriculum, practical learning opportunities, vibrant campus life, and supportive services collectively contribute to a well-rounded engineering education. While there are areas for improvement, the overall experience has equipped me with the knowledge, skills, and confidence to embark on a successful career in electronics engineering. I am grateful for the experiences and opportunities provided by VIT, which have been instrumental in shaping my future. Proud to be a VITian.



“ Innovation is the ability to see change as an opportunity, not a threat.” – Steve Jobs ”

## Fintech Committee Activity



The Fintech Committee organised event TradeTechExpo where Mr Hardik Bhatia was the speaker.

Some important points that were covered:

- How to choose a stock to trade
- Tools to visualise and choose stocks
- Difference between trading and investing
- Which is better for students: Trading or Investing
- How to set stop loss

## DEPARTMENT STAFF

**Prof. Rajashree Soman**  
ASSISTANT PROFESSOR

**EDUCATION QUALIFICATION:**  
ME

**WORKING EXPERIENCE**  
Teaching Experience: 8 Years  
Technical papers Published: 1

**AREA OF SPECIALIZATION:**

Electronic Instrumentation and Measurement,  
MEMS Technology.

**Prof. Nisy Mathew**  
ASSISTANT PROFESSOR

**EDUCATION QUALIFICATION:**  
M.Tech

**WORKING EXPERIENCE**  
Teaching Experience: 10 Years

**AREA OF SPECIALIZATION:**

Electronic Devices and Circuits  
Power Electronics



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

## Department updates

Dr. Sangeeta Joshi conducted Training for support staff on Belonging to the Institute.



Department Appreciation.



Credit Transfer Course at IITB



Prof. Akhil Masurkar at IGARSS2024



“ The best and most beautiful things in the world cannot be seen or even touched - they must be felt with the heart- Helen Keller ”

## IEEE Events

Event title - Escape Room - Fun Event  
Time - 3.00 pm to 6.30 pm  
Venue - M 308 and M 309  
Date - 08/10/2024  
Brief - Fun Event theme about laboratory and science

Event title - Codeger - Technical Event  
Time - 3.00 pm to 6.30 pm  
Venue - M-509, M-510  
Date - 09/10/2024  
Brief - A narrative coding challenge.



Award for poster presentation by student Akshay Mhatre



## Faculty Achievements

Dr. Arun Chavan

Attended the following webinars, organized by BVICAM, New Delhi

- Has successfully attended Value Maximization by Data-Driven Decisions on 13<sup>th</sup> July 2024.
- Has successfully attended the Emergence of Digitization & Automation in Automotive Embedded Systems on 21<sup>st</sup> September 2024.
- Has successfully attended Trending Technologies of 2024 on 31 August 2024

Dr. Nayana Mahajan

Received award for "Outstanding Faculty in Electrical and Electronics Engineering" at the 10th Contemporary Academic Meet – CAM 2024 Venus International Foundation, Chennai on 20th July 2024

Dr. Sheetal Patil

- Copyright received for "Personal desktop virtual attendance with personal chatbot using Python on August 22, 2024
- Akhil Masurkar

Received copyright for incorporating Vedic multiplication techniques in modern Processor architectures. The entire RISC processor was implemented on the newly purchased FPGA boards by our college.

## UPCOMING EVENTS

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- Fintech Committee
- Finworld: 2<sup>nd</sup> week of October
- Finthon: 4<sup>th</sup> week of October
- IEEE Activities
  - IEEE day: 1<sup>st</sup> week of October
  - Membership Drive: 1<sup>st</sup> week of October
  - IEEE IRIS Flagship Events: 2<sup>nd</sup> week of October
- ECSA Activities
  - Masked Bandits: 1<sup>st</sup> week of October
  - Techno Roast Battle: 2<sup>nd</sup> week of October
  - FestX(Flagship event): 4<sup>th</sup> week of October

“Success is not final, failure is not fatal: It is the courage to continue that count.” – Winston Churchill

THE  
**EDITORIAL TEAM**

PROF. AMAYA PETHE

Chief Editor