



DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE (Formerly known as Electronics Engineering 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

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HEAD OF DEPARTMENT, ELECTRONICS AND COMPUTER SCIENCE

The quarter was a phase of consolidation and preparedness for the Department of Electronics and Computer Science, with focused efforts on completing academic planning, curriculum alignment, and quality assurance activities in anticipation of the new semester commencing on 5th January 2026. Faculty members actively engaged in course planning, development of Teaching–Learning Plans, research discussions, and academic reviews, while students were guided towards project readiness, seminars, and skill enhancement activities. This period also reflected the department's commitment to continuous improvement, collaboration, and academic excellence, setting a strong foundation for effective teaching, learning, and innovation in the upcoming semester.

“Every new semester is a fresh opportunity—learn with curiosity, work with discipline, and build today the future you aspire to achieve.”

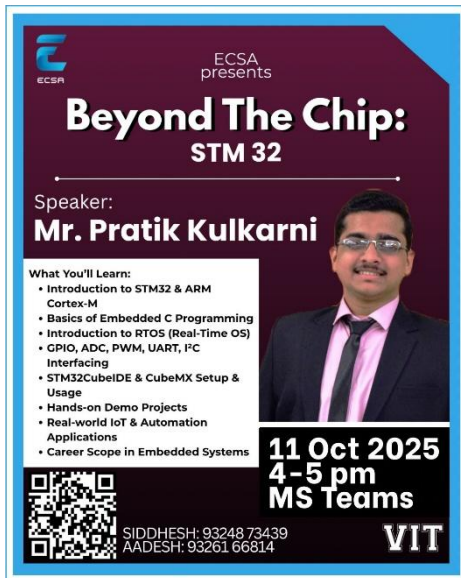


“Everybody should learn to program a computer, because it teaches you how to think.” - Steve Jobs,

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ECSA Activities:

Beyond the chip:STM 32



The event was conducted on October 11, 2025

Objectives

- To introduce participants to the STM32 microcontroller and ARM Cortex-M architecture.
- To help students understand the basics of Embedded C programming and its real-world applications.
- To provide hands-on experience in RTOS, hardware interfacing, and STM32CubeIDE/CubeMX setup.
- To demonstrate IoT and automation projects based on embedded systems.
- To create awareness about the career opportunities and industry relevance of embedded technologies.

Project Display

The event was conducted on 1st October 2025

Objective :

- Provide a platform for students to present innovative ideas and practical solutions in electronics and computer science.
- Encourage creative thinking and problem-solving through real-world applications.



“

Education is the passport to the future, for tomorrow belongs to those who prepare for it today." -
Malcolm X

”

Student's Speak

Gargi Kusnoor
TE EXCS B



Greetings Everyone,

My journey at Vidyalankar has been one of quiet growth, steady learning, and self-discovery. What began as a pursuit of engineering gradually evolved into a deeper understanding of who I am as a learner and an aspiring professional. Vidyalankar did not just shape my academic foundation—it gave me the space to explore my interests, take responsibility, and grow with confidence.

As an Electronics and Computer Science student, I developed a strong inclination toward the core electronics industry, particularly in the field of VLSI. Subjects related to digital electronics, circuit design, and system-level thinking sparked my curiosity and encouraged me to look beyond surface-level understanding. The academic environment at Vidyalankar emphasized fundamentals, which helped me appreciate the importance of precision, patience, and consistency—qualities essential in the core domain.

Learning at Vidyalankar extended far beyond classrooms and laboratories. Participating in national-level competitions such as the Smart India Hackathon and other technical contests exposed me to real-world problem statements that demanded innovation, teamwork, and practical application of knowledge. These experiences taught me how engineering solutions are built collaboratively and how ideas evolve under constraints of time and resources.

A significant part of my journey has been shaped by my involvement in student bodies. I began my association with the Electronics and Computer Science Students' Association (ECSA) as a member, gradually taking on more responsibility and eventually serving as the Joint General Secretary. This role strengthened my leadership skills and taught me how to manage teams, communicate effectively, and remain composed in high-pressure situations. Parallely, my role as Documentation Head for FinTech helped me develop attention to detail, structured thinking, and accountability—skills that seamlessly complemented my technical pursuits.

Vidyalankar also played an important role in helping me navigate phases of uncertainty and self-doubt. There were moments when challenges felt overwhelming, but the environment consistently encouraged resilience and growth. Each experience—academic or extracurricular—contributed to building discipline, self-belief, and a strong work ethic.

As I move forward with aspirations in the core industry and VLSI, my time at Vidyalankar remains a strong foundation. It has prepared me not only with knowledge and skills, but with the confidence to learn continuously, adapt to challenges, and grow with purpose.

“ Education is the key that unlocks the golden door of freedom and opportunity –
George Washington Carver.”

Know an Alumnus

Name-Omkar Dagulla
BE Tenure: 2021-25



Greetings everyone,
I am Omkar Daggula, a graduate of the 2021-25 batch in Electronics Engineering. Four years ago, in August, I had just completed my final examinations. At that moment, I had no clear plan—no defined path, no chosen field, no certain future. What I did have were conversations, questions, and reflections on how to take the next step, especially in choosing the right college. In that period of uncertainty, I searched for clarity. After exploring different options and listening to many perspectives, I made a choice that has shaped my journey—I chose Vidyalankar. Looking back today, I can say that decision gave me not just an education, but also a community, opportunities, and moments that helped me grow far beyond the classroom.

From rigorous projects to vibrant campus activities, every challenge at Vidyalankar contributed to my growth in ways I had never imagined. What has always struck me about my experience in Vidyalankar is that in many ways, we learn just as much about humanity as we did about circuits and logics. We learned that community isn't just about shared experiences; it's about shared strength along with those who lift you up. It's in the moments we lift each other up after challenges; in the late nights spent prepping each other for interviews, working together on a mini project with the deadline looming the very next day, and in simple acts of kindness—these are the moments that made every achievement count.

Alongside teamwork and personal growth, I had the chance to explore avenues that shaped my skills and ambitions. Serving on the Creatives Council allowed me to lead initiatives and collaborate creatively—some of our campaigns were recognized by the higher-ups, which was truly motivating. Professionally, securing a placement with TCS marked an important milestone, guided by our professors who supported us not only academically but also in preparing for life beyond college. Looking forward, I am excited to build on this foundation by pursuing studies abroad, carrying forward the realizations, mentorship, and experiences Vidyalankar has provided.

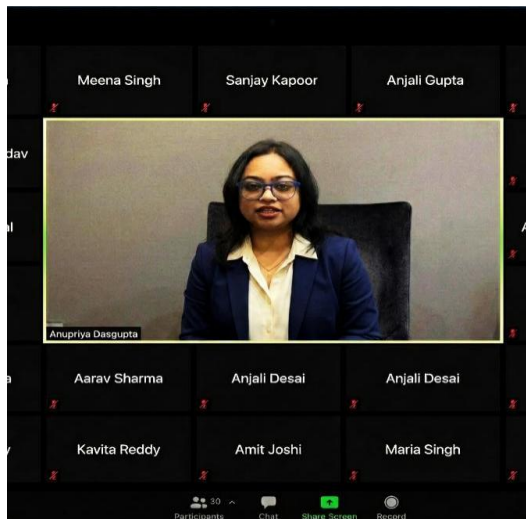
Looking back, the years at Vidyalankar taught me lessons that go far beyond textbooks. I learned the value of perseverance when deadlines seemed impossible, the importance of collaboration when challenges felt overwhelming, and the power of curiosity in every project and discussion. Most importantly, I realized that progress comes not just from achievements, but from embracing failures, supporting each other, and constantly pushing beyond comfort zones.

To all the juniors here today, my advice is simple: nobody will give you anything you have not earned. Embrace every challenge you face, because the lessons you carry forward will shape not just your career, but the person you become. And remember—your journey is uniquely yours.

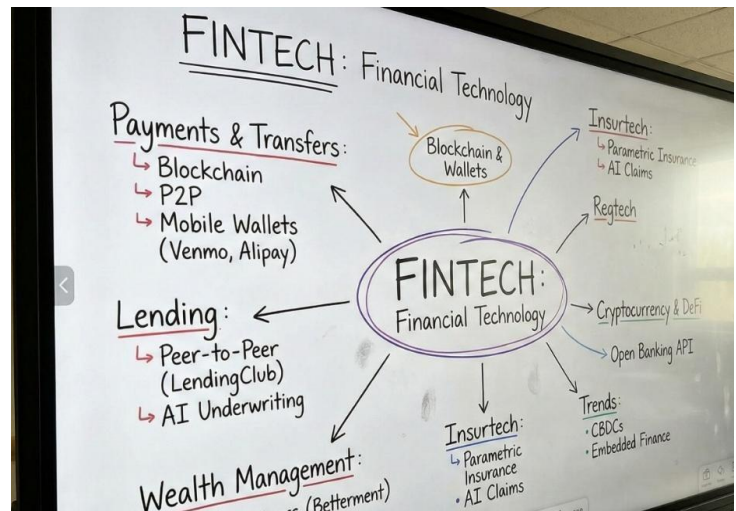
“ Do not save what is left after spending; instead spend what is left after saving. — Warren Buffett ”

Fintech Activities

Finopedia



Fintech Core grooming session



The event was conducted on October 11, 2025

Objectives

- To simplify core financial concepts and make foundational finance more accessible to students
- To enhance participants' understanding of how technology shapes modern financial systems.
- To encourage curiosity and build confidence toward exploring advanced topics in finance.

The event was conducted on October 10, 2025

Objectives

- To familiarize all members with the mission and vision of the FinTech committee.
- To inculcate basic financial knowledge among the core team.

DEPARTMENT STAFF

Prof. Amaya Pethe
ASSISTANT PROFESSOR

EDUCATION QUALIFICATION:
MS

WORKING EXPERIENCE
Teaching Experience: 25 Years

AREA OF SPECIALIZATION:
Digital Electronics, Digital System Design,
Electronic Product Design



Prof. Faiz Rangari
ASSISTANT PROFESSOR

EDUCATION QUALIFICATION:
ME

WORKING EXPERIENCE
Teaching Experience: 15 Years

AREA OF SPECIALIZATION:
VLSI, AI, ML, DIP



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“ We are continually faced by great opportunities brilliantly disguised as insoluble problems.” ”
—Lee Iacocca,

IEEE Activities

IEEE Drone Workshop



It was conducted on October 6, 2025

- Objectives
- To provide foundational knowledge of drone components, flight mechanics, and real-world applications
- To enable participants to assemble a functional quadcopter by guiding them through the installation of key components including the F-450 frame, 1000KV motors, ESCs, propellers, and the APM 2.8 flight controller.
- To develop hands-on skills in electronics and safe power management through practical sessions on wiring, soldering, and connecting the Power Distribution Board (PDB). To train students in remote-control setup and software configuration using the FlySky FS-i6 transmitter and Mission Planner for sensor calibration, ESC tuning, and PID parameter adjustments.
- To promote responsible drone operation by emphasizing safety protocols, DGCA regulations, and essential pre-flight checks required for safe and lawful drone usage.

IEEE ENGINEER'S DAY

It was conducted on September 26, 2025

Objectives:

- IEEE awareness among participants to the benefits of IEEE membership,
- Models building such as a Drone Simulator, RC Plane, Line Follower Robot, and several Arduino-based and PCB projects through a live project exhibition
- Presentations of their designs, tools, and real-world applications.



“ Management is doing things right; leadership is doing the right things -Peter F. Drucker ”

Department updates

Faculty Achievements

Dr. Arun Chavan

Successfully attended the following workshops organized by BVICAM, New Delhi.

- Machine Learning enabled Insider Threat Prediction on 05 July 2025
- Industry 5.0 on 19 July 2025
- ASPICE in Motion: Driving Process Innovation for the Software-Defined Vehicle Era on 26 July 2025
- Generative AI: Anatomy of Prompt Engineering on 06 September 2025
- Cyber Security: Threats and Mitigation on 13 September 2025

Prof. Akhil Masurkar

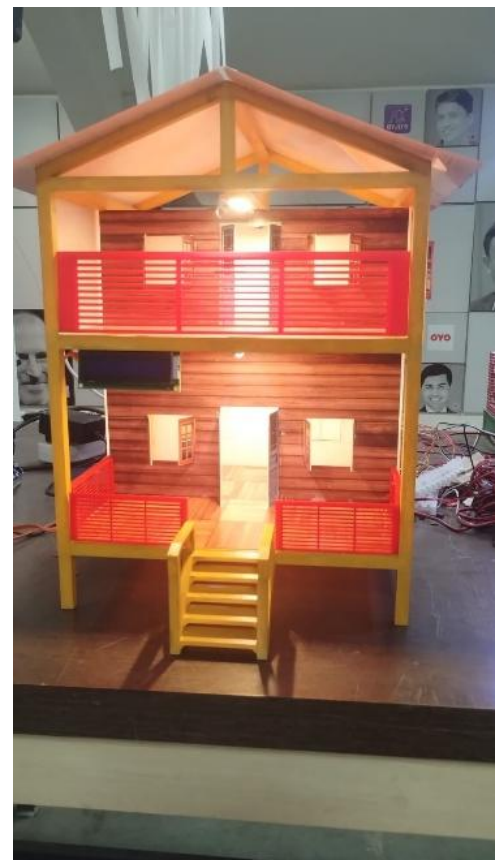
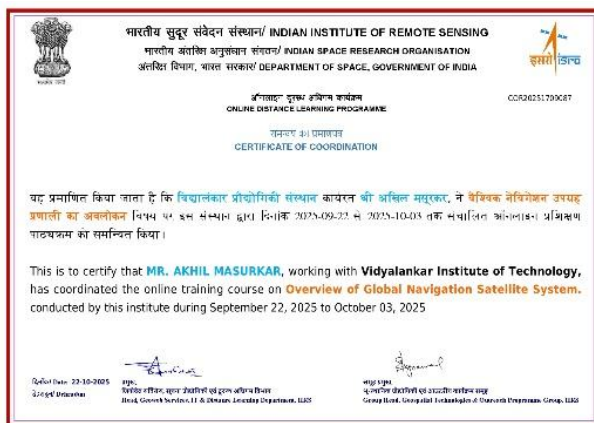
- coordinated the online training course on Overview of Global Navigation Satellite System.
- conducted by this institute during September 22, 2025 to October 03, 2025

Prof. Uma Jaishankar

Completion of PhD on the topic Investigation of Auditory Signals for Depression Analysis in Nov 2026

ForkLords_80 team got selected in SIH finale at Dindigul on Dec 8-9, 2025, in Phase 1 with the problem statement - 'Life Cycle Assessment (LCA) Tool for Advancing Circularity and Sustainability in Metallurgy and Mining' (PS ID: 25069) under the mentorship of Prof. Uma Jaishankar

Prof. Amol Sakhalkar: Completed the prototype of Farm House on December 4, 2025



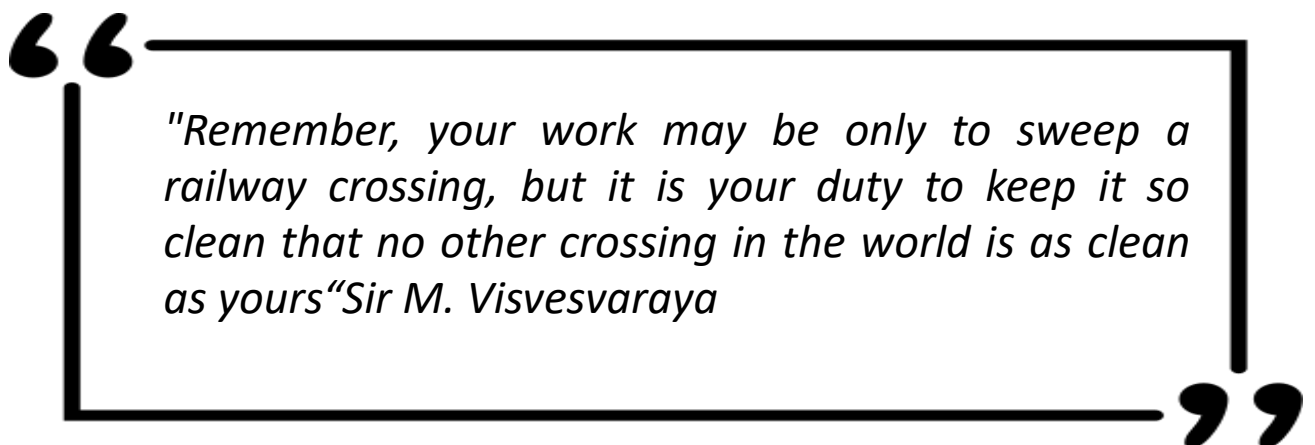
UPCOMING EVENTS

ECSA Activities

- AI AGENT workshop: 3rd week, January 2026
- API MASHUP: 4th week, January 2026
- :Metaverse Mania:1st week, February 2026
- 3D-DREAM,DESIGN,DAZZLE:2nd week, February 2026
- BUG BYTE:2nd week, February 2026
- HACK for Humanity: 2nd week, February 2026
- Untangle the Jumble: 2nd week, February 2026
- Dare to Defend: 2nd week, March,2026

Fintech Activities

- BidBlaze: 2nd week, January 2026
- Quant interviews 101 by Ms.Nadiya Qayyum J.P.Morgan:4th week, January 2026
- Scam Tank (Competition) : 2nd week, February 2026
- Financial Documentary showcase: 4th week, February 2026
- Sanchayan : 2nd week, March,2026
- Digital Marketing Competition (Flagship): 3rd week, March 2026
- NSE Initiation by NSE team Mr. Anil Jawaharani : 4th week, March 2026



THE
EDITORIAL TEAM
 PROF. AMAYA PETHE
 Chief Editor