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Dean, School of Electrical Engineering

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HoD, Electrical Engineering
Dr. Mahalakshmi P
HoD, Instrumentation
Dr. Vinodh Kumar E
HoD, Control and Automation
Dr. Yedula Pedda Obulesu
HoD, Energy and Power Electronics

Coordinators and Technical Team

Dr.Rashmi Ranjan Das (SELECT)
Dr Bikash Rout (SMEC)
Dr.Senthil Kumar S (SMEC)
Dr Manish Kumar (SENSE)
Dr Swarna Priya (SCORE)
Dr Praveen Kumar M (SELECT)
Dr.Jaganathan Pandian (SELECT)
Dr. Bagyaveereswaran V (SELECT)
Dr Jothish Kumar (SCORE)
Dr. M Islam (SENSE)
Dr.Saravanan S (VAIAL)
Dr.Sidhart Goutam (SENSE)
Dr.Vaani Vasanth Kumar(SCE)

Registration Link

Registration fee : Rs.500/- (Including GST)
Prospective participants are requested to register for the workshop through the following web link.

https://events.vit.ac.in/

A maximum of 60 participants will be accommodated in the workshop. Hence, the preference will be given on a first-come, first-served basis.

Who Can Participate: UG/PG/Ph.D. students

Mode of Event: Offline (TT311)

Target Audience : Students – UG/PG/Ph.D., Faculty Members

CONTACT DETAILS
Dr Rashmi Ranjan Das
Mob: 9092077298
Dr Bikash Rout
Mob: 7980644106

Vellore Institute of Technology, Vellore-632014

Two-day workshop on

Drone Technologies 2025

28th and 29th October 2025
***Venue:** VIT Vellore*

Organised by

School of Electrical Engineering
In Association with
Center of Excellence in Drone Technology
&
AERO KNOTZ DRONES INDIA Pvt. Ltd, Chennai

Electronics and Instrumentation Engineering. SELECT has industry-sponsored advanced laboratories for performing world-class research and consultancy. Danfoss Advance Drives Lab, Schneider Electric Smart Energy Monitoring Lab, Fluke Testing and Calibration Lab, Q-Max Automated Test Engineering Lab (Alumni Sponsored Lab) and NxP Semiconductors, India, have established Centre of Excellence for students' R&D activities under the guidance of faculty members and industry experts

AERO KNOTZ
DRONES INDIA PRIVATE LIMITED

Resource person

Mr. Surendar P.

Manager, Aeroknotz Drones India Private Limited, Chennai
Mr. Surendar P. is a dynamic professional with a rich blend of academic and industrial expertise, currently serving as the manager at Aeroknotz Drones India Private Limited, Chennai. With over 10 years of teaching experience in the Department of Mechanical Engineering across various esteemed engineering institutions in Tamil Nadu,

Mr. Surendar has played a vital role in shaping young minds through innovative and application-based learning. Complementing his academic journey, he also brings 4 years of core industrial experience in CNC programming, fabrication, erection, and the installation of large- scale sugar plants, which adds a practical edge to his multifaceted profile.

In the past two years at Aeroknotz, Mr. Surendar has been at the forefront of innovation, leading a vibrant team in research and development in drone and robotics technology.

Under his leadership, the company has made remarkable strides in training and outreach. Mr. Surendar has trained over 10,000 students across Tamil Nadu, Kerala, and Karnataka in drones and robotics through workshops, internships, and certification programmes. Notably, he has also trained around 2,300 NCC cadets in Karnataka during prestigious camps such as the All India Vayu Sainik Camp (AIVSC) and various Annual Training Camps (ATCs), where cadets from across the nation were introduced to the fundamentals and applications of drone technology.

2-Days Workshop Plan

Participants: 60 Students

Day 1
9:00 AM – 12:30 PM

Welcome & Introduction to the Company – A brief history and vision of the company. Key projects, services, and achievements. Drones and Their Applications – Agricultural, industrial, defence, delivery, cinematography, etc. Types of Drones – Fixed-wing, rotary-wing, hybrid, nano, micro, etc. Rules and Regulations – DGCA regulations, drone classifications, safety guidelines.

12:30 PM – 1:30 PM – Lunch Break

1:40 PM – 3:30 PM
Introduction to Robotics – Basics of robotics, components, and systems. Live Demonstration – Robot movement, automation tasks, and AI integration. Q&A Session – Open floor for student Queries.

Day 2

Morning – Batch Split-Up (30 students each)

Batch 1: Drone Components Explanation & Hands-on Assembly Session

Batch 2: Simulation Practices & Flying Demonstrations & Quiz Assessment
(MCQ Written Test)

12:30 PM – 1:30 PM – Lunch Break

Afternoon – Batch Swap

Batch 1: Moves to Simulation Practices & Real-time Flying Demonstrations

Batch 2: Moves to Drone Component Explanation & Assembly
Special Notes
Quiz Rewards:
Top 3 performers → Free One-Week Internship
Top 10 performers → Discount on Internship Fees
Certificates: All participants receive a workshop completion certificate.

BOUT VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Our memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward

ABOUT THE SCHOOL OF ELECTRICAL ENGINEERING

Vision: *To offer an education in electrical engineering that provides strong fundamental knowledge, skills for employability, cross-disciplinary research and creates leaders who provide technological solutions to societal and industry problems.*

Mission: *Provide personalised experiential learning in industry-sponsored laboratories to prepare students in electrical engineering with strong critical thinking and employability skills.*

The School of Electrical Engineering (SELECT) has over 98 faculty members who pursued their UG, PG and doctoral degrees from top-notch universities. The school offers B.Tech. (Electrical and Electronics Engineering), B.Tech. (Electronics and Instrumentation Engineering), B.Tech. (Electrical and Computer Science Engineering), M.Tech. (Power Electronics and Drives), M.Tech. (Control and Automation), Ph.D. and Integrated Ph.D in Engineering. Both B.Tech. and M.Tech. programmes attract the intelligent students from the country and abroad. The B.Tech. Electrical and Electronics Engineering and B.Tech. Electronics and Instrumentation Engineering programmes are accredited by the Engineering Accreditation Commission of ABET. All UG & PG programmes of the school are accredited by the Institution of Engineering and Technology (IET), U.K. The School has state-of-the art laboratories in almost all the areas of Electrical,