

KEYSTONE SCHOOL OF ENGINEERING ELECTRO CONNECT

**ELECTRONICS AND
TELECOMMUNICATION**



**DEC 2025
VOL.2, ISSUE 1**

FROM DIRECTOR'S DESK



It is with great pride that I commend the Department of Electronics and Telecommunication Engineering for publishing this insightful newsletter. Such initiatives not only showcase the department's achievements but also foster a culture of knowledge sharing and innovation.

The dynamic field of E&TC engineering plays a crucial role in shaping the future, from modern communication systems to groundbreaking applications in AI and IoT. Our students and faculty members have consistently demonstrated excellence in academics, research, and extracurricular activities, making our institution a center of learning and innovation.

My heartfelt congratulations to the team for their hard work and dedication in curating this edition. Let this newsletter serve as an inspiration for all to aim higher and achieve greater milestones.

Best wishes,

Prof. Y. R. Soman
Director
Keystone School of Engineering

FROM PRINCIPAL'S DESK



It is a pleasure to present the latest edition of the E&TC Engineering Newsletter. This publication reflects the vibrant academic, technical, and co-curricular activities that define our department.

As technology continues to evolve at an unprecedented pace, the field of Electronics and Telecommunication Engineering offers boundless opportunities to innovate and contribute to society. At our institution, we strive to provide not just education, but also a platform for creativity, research, and hands-on learning. I encourage all of you to make the most of these opportunities and to stay curious, motivated, and inspired.

Congratulations to the editorial team and contributors for bringing this newsletter to life. I look forward to seeing more achievements and initiatives highlighted in the future editions.

Prof. Sandeep Kadam
Principal
Keystone School of Engineering

FROM HOD'S DESK



It gives me immense pleasure to present the latest edition of our department's newsletter. This publication serves as a window into the vibrant academic and research ecosystem of the Electronics and Telecommunication Engineering Department. The field of E&TC is evolving rapidly, with cutting-edge advancements in areas such as IoT, 5G communications, AI, and VLSI design. Our department continues to align its curriculum, research initiatives, and industry collaborations to ensure that our students and faculty are at the forefront of these technological developments.

I extend my heartfelt gratitude to the editorial team and contributors who have worked diligently to bring this publication to life. I also encourage all readers to provide their valuable feedback and suggestions, which will help us continuously improve and bring meaningful content in future editions.

Let us all continue to strive for excellence and innovation, making our department a hub of knowledge and creativity in the E&TC domain.

Prof. Sharwari Kulkarni
E&TC Department

FROM CHIEF EDITOR



It is with great enthusiasm that I present to you the 1st edition of our E&TC Department News letter. This platform serves as a bridge to connect, inform, and celebrate the achievements of our vibrant department community.

In this edition, you will find highlights of the accomplishments of our students and faculty, including research publications, participation in technical events, and innovative projects. We are proud to showcase how our department is contributing to the fields of smart systems, sustainable technologies, and next-generation communication networks.

I am also thrilled to share updates on the various workshops, expert lectures, and industry interactions organized over the past semester. These activities aim to bridge the gap between academic learning and practical application, providing a holistic learning environment for our students.

Prof. Kiran Ghate
E&TC Department

8 JULY, 2025

SE INDUCTION

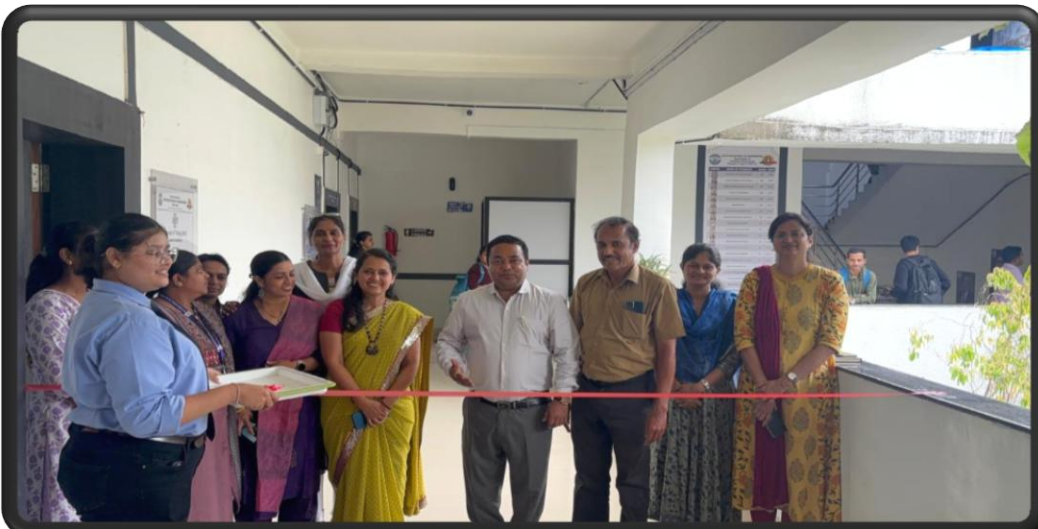


The SE Induction Day was celebrated on 8 July 2025 with great enthusiasm, warmly welcoming new students to the SE section. The classroom was thoughtfully decorated, and the program began with encouraging words from teachers, who shared guidance, motivation, and expectations for the academic year ahead. A small felicitation ceremony was also organised to appreciate students and make them feel valued.

The event created a joyful and positive atmosphere, helping students interact, build confidence, and develop a sense of belonging. Overall, the induction day marked a meaningful beginning to a new journey of learning, friendship, and growth for all SE students.

11 JULY 2025

CLUB INAUGURATION



Inauguration of Various Clubs at Keystone College

The DRON Club, IoT Club, and Robotics Club were officially inaugurated on **11 July 2025** at **Keystone College**. The event marked an important step toward promoting innovation, technical skills, and hands-on learning among students. Faculty members and students enthusiastically participated in the ceremony, highlighting the college's commitment to advancing technology-driven education.

11 JULY 2025

LOGO & TAGLINE COMPETITION



LOGO & TAGLINE COMPETITION

To celebrate creativity and innovation, a Logo and Tagline Competition was organized for the Drone, IoT, and Robotics Clubs. Students showcased remarkable talent by designing identities that reflect technology, vision, and the spirit of future engineering



23 July 2025

PCB WORKSHOP



A two-day PCB Workshop held on 23–24 July 2025 was conducted by Mr. Chittaranjan Mahajan from Dolphin Labs. During the session, students gained valuable hands-on experience in designing and building printed circuit boards, effectively bridging the gap between theoretical knowledge and practical application.



HANDS-ON WORKSHOP



7 AUGUST 2025

DRONE WORKSHOP

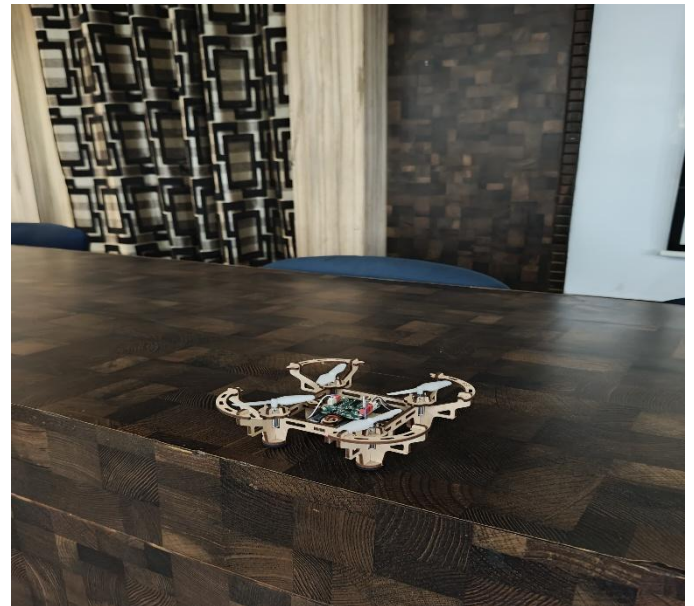


The Drone Workshop conducted by Dr. Rupali Pawar on 7/8/2025 provided students with valuable hands-on experience in drone technology. The session covered the basics of drone design, flight control systems, and important components used in unmanned aerial vehicles. Students were also introduced to real-world applications such as agriculture, surveillance, and disaster management, along with safety and maintenance practices. Overall, the workshop was informative, interactive, and helped spark interest in emerging technological fields.



The Principal is seen closely examining the drone model during the workshop, observing its structure, components, and overall design. This moment highlights the institution's encouragement toward practical learning and innovation in emerging technologies like unmanned aerial vehicles.

A drone or Unmanned Aerial Vehicle (UAV) is an aircraft that flies without a human pilot and is controlled remotely or by programmed systems. It includes components like a frame, motors, propellers, battery, sensors, and a flight controller to ensure stable flight and navigation.



12 SEPTEMBER 2025

TE INDUSTRIAL VISIT



The industrial visit of TE students from Keystone Engineering to the Times of India provided an informative and practical learning experience about the functioning of the media and printing industry. During the visit, students observed the newspaper printing process, modern machinery, layout design, and quality control techniques used in large-scale publication. They also gained insight into news collection, editing, and distribution systems, understanding how information reaches the public efficiently.

STUDENT ACHIEVEMENT

Students actively participated in various FOSS (Free and Open Source Software) courses and NPTEL certification exams, enhancing their technical knowledge and practical skills. Their involvement in these programs helped them gain exposure to advanced technologies, improve problem-solving abilities, and earn valuable certifications



FACULTY ACHIEVEMENT

NPTEL CERTIFICATION - SEMESTER - I (2025-2026)

Sr. No	Name of Faculty	Title of Course	Duration
1	Prof. Sharwari Kulkarni	Accreditation and Outcome based Learning	8 Week
2	Prof. Sharwari Kulkarni	Low Voltage CMOS Circuit Operations	8 Week
3	Dr. Kalyani Wagh	Accreditation and Outcome based Learning	8 Week
4	Prof. Deepali Misal	Introduction to Semiconductor Devices	12 Week
5	Prof. Kiran Ghate	Accreditation and Outcome based Learning	8 Week
6	Prof. Poonam Nazirkar	Modern Digital Communication Techniques	12 Week
7	Prof. Suvarna Phule	Introduction to Internet of Things	12 Week
8	Prof. Suvarna Phule	Database Management System	12 Week

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DEEPAJI BAJIRAO MISAL
for successfully completing the course

Introduction to Semiconductor Devices

with a consolidated score of **70** %

Online Assignments 20.38/25 Proctored Exam 49.5/75

Total number of candidates certified in this course: 608

Prof. B Umashankar
Chairperson, Centre for Continued Education (CCE)
IIT Hyderabad

Jul-Oct 2025
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Hyderabad

swayam

Roll No: NPTEL25EE92S369200054 To verify the certificate No. of credits recommended: 3 or 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
KIRAN MAYURESH GHATE
for successfully completing the course

Accreditation and Outcome Based Learning

with a consolidated score of **88** %

Online Assignments 21.63/25 Proctored Exam 66/75

Total number of candidates certified in this course: 1958

Aug-Oct 2025
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL25GE63S466902828 To verify the certificate No. of credits recommended: 2 or 3

The faculty members of the department have actively participated in various academic and professional development activities. Several faculty members successfully appeared for the **NPTEL Certification Exam**, demonstrating their commitment to continuous learning and enhancement of subject knowledge through courses offered by **National Programme on Technology Enhanced Learning**.

In addition, many faculty members have contributed to academic innovation and intellectual property by completing **copyright registrations** recognized at the national level.

PLACEMENT



