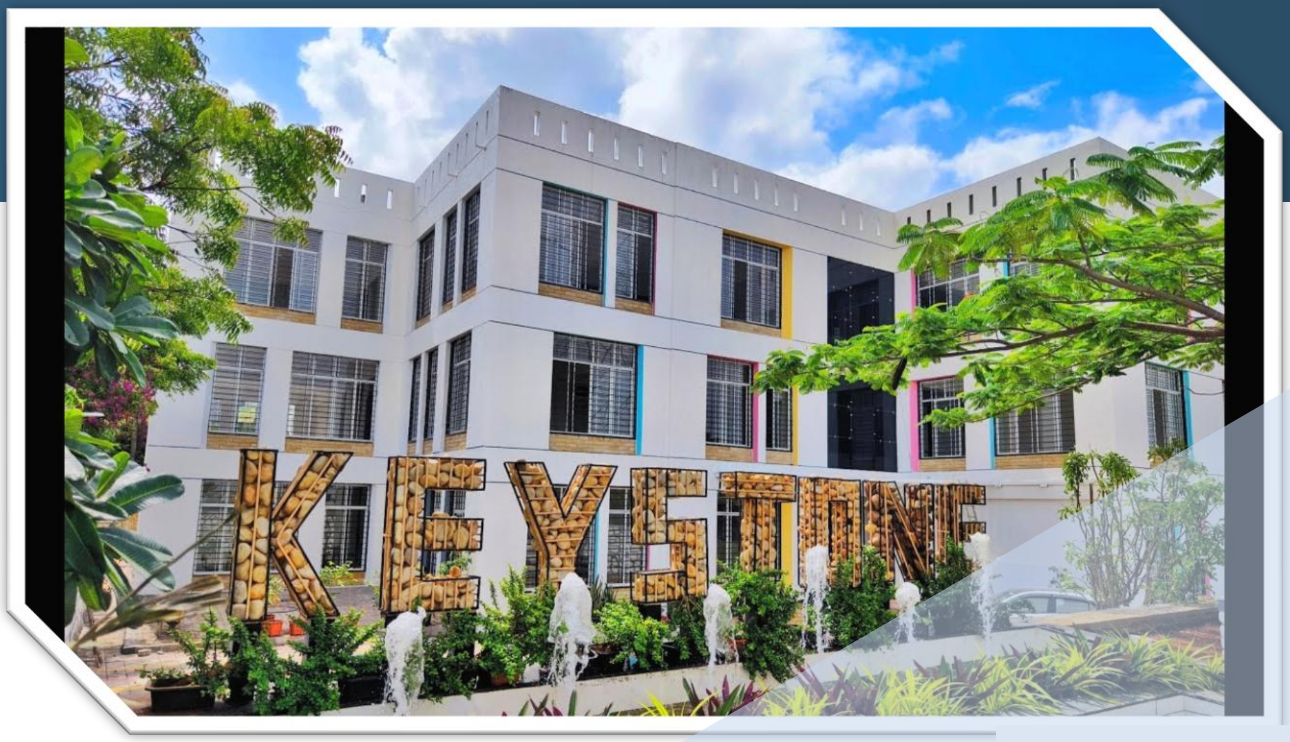
KEYSTONE SCHOOL OF ENGINEERING

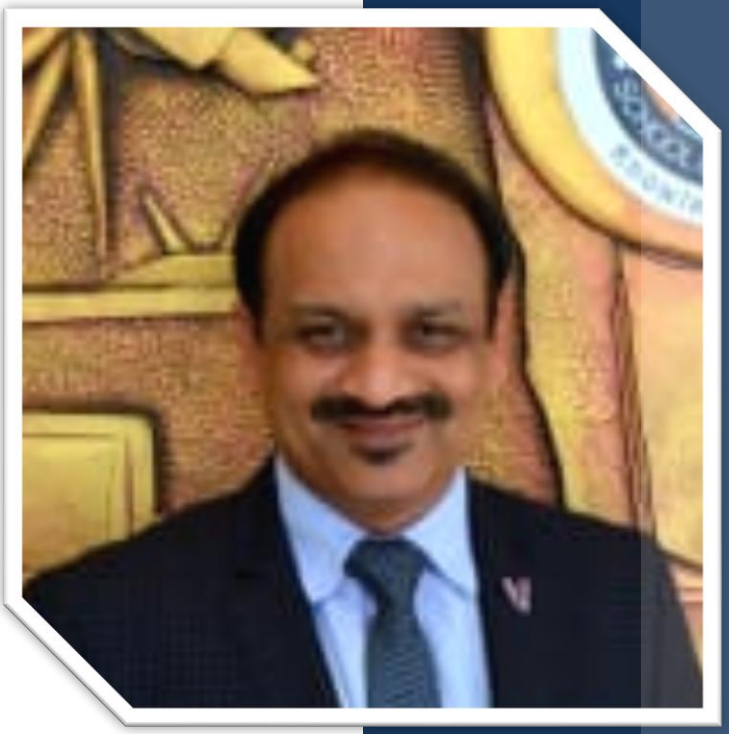
ELECTRO CONNECT

ELECTRONICS AND TELECOMMUNICATION



MAY 2026
VOL.2, ISSUE 2

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

2nd to 4th Jan, 2026

PCB Design Workshop using KiCAD

Department of Electronics and Telecommunication Engineering of KSE, conducted a PCB Design Workshop using KiCAD for TE and BE students, led by Mr. Jason Joseph from AuxiPower Dynamic Tech Pvt. Ltd. The session introduced students to PCB design concepts and gave them practical exposure to KiCAD tools and industry-level design practices.

The workshop received an excellent response from students and helped them gain practical insight into PCB design, component placement, routing, and troubleshooting. It also encouraged students to explore industry-oriented design skills that support academic learning and future project development.

5th – 6th February, 2026

Hands-on IoT: Building Smart Systems

The Department of Electronics & Telecommunication Engineering successfully held a two-day hands-on workshop, “Hands-on IoT: Building Smart Systems,” on 5th and 6th February 2026 for second-year E&TC students.

Students gained practical experience with Arduino, ESP32, NodeMCU, and Raspberry Pi, learning sensor interfacing, microcontroller programming, MQTT, and cloud connectivity while building IoT prototypes like Smart Home Automation and Environmental Monitoring systems. The workshop enhanced technical skills and prepared students for mini-projects and industry applications.

23rd and 24th March 2026

PCB Workshop for SE Students

The Department of Electronics and Telecommunication Engineering successfully conducted a two-day PCB Design Workshop for Second-Year ENTC students on 23rd and 24th April 2026. The workshop provided hands-on training in PCB design, circuit layout, component placement, and routing techniques.

Students actively participated in practical sessions and gained valuable exposure to industry-relevant tools and methodologies. The workshop enhanced their understanding of electronic circuit design and helped bridge the gap between theoretical learning and practical application.

INDUSTRIAL VISIT

STPI Pune

SE students from Keystone School of Engineering visited STPI Pune on 29 Jan 2026. The visit showcased STPI's incubation facilities, data-centre infrastructure, and support services for technology startups.

Students received briefings on STPI's role, observed professional workplace practices, and explored relevant technology trends (networking, embedded systems, cloud). The visit reinforced industry-academia linkage, clarified career pathways, and enhanced students' professional outlook.

Radio Astronomy Centre, Ooty

B.E. students from the Electronics & Telecommunication Department visited the Radio Astronomy Centre, Ooty on 25 March. The delegation observed radio telescope operations, receiver systems, signal processing workflows, and data acquisition practices. Technical briefings covered antenna design, RF front-end engineering, and astronomical signal analysis, linking core E&TC concepts to real-world research applications.

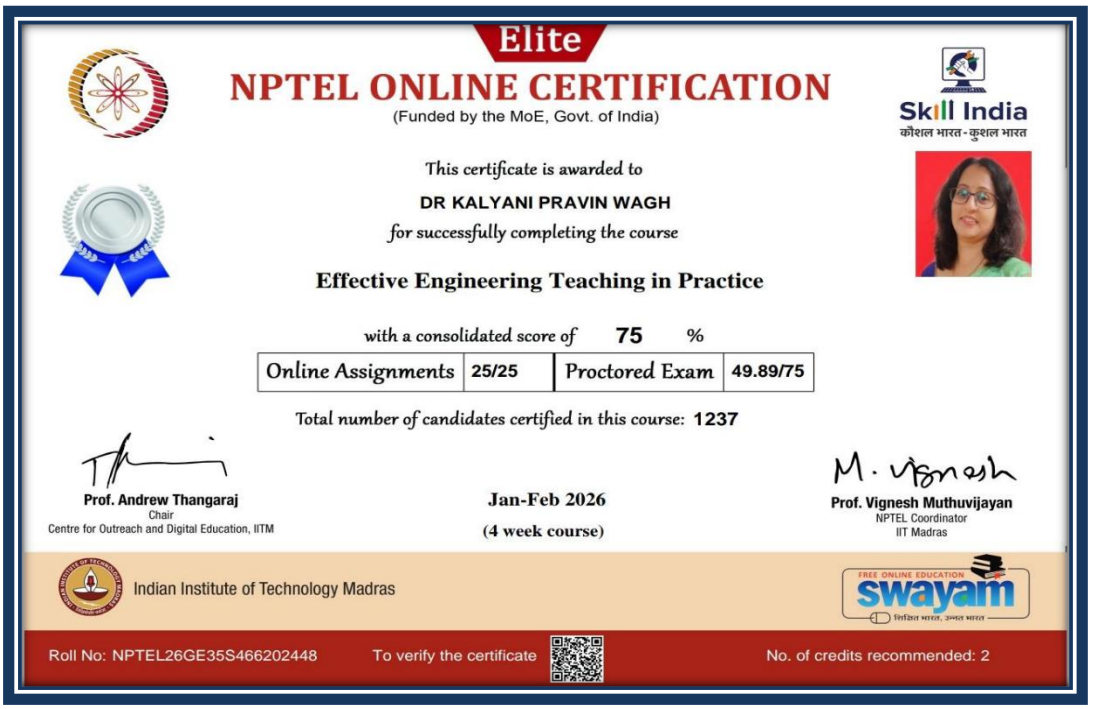
The visit enhanced students' understanding of radio-frequency systems, instrumentation, and research methodologies, and broadened career and research perspectives in communications and astrophysical instrumentation.

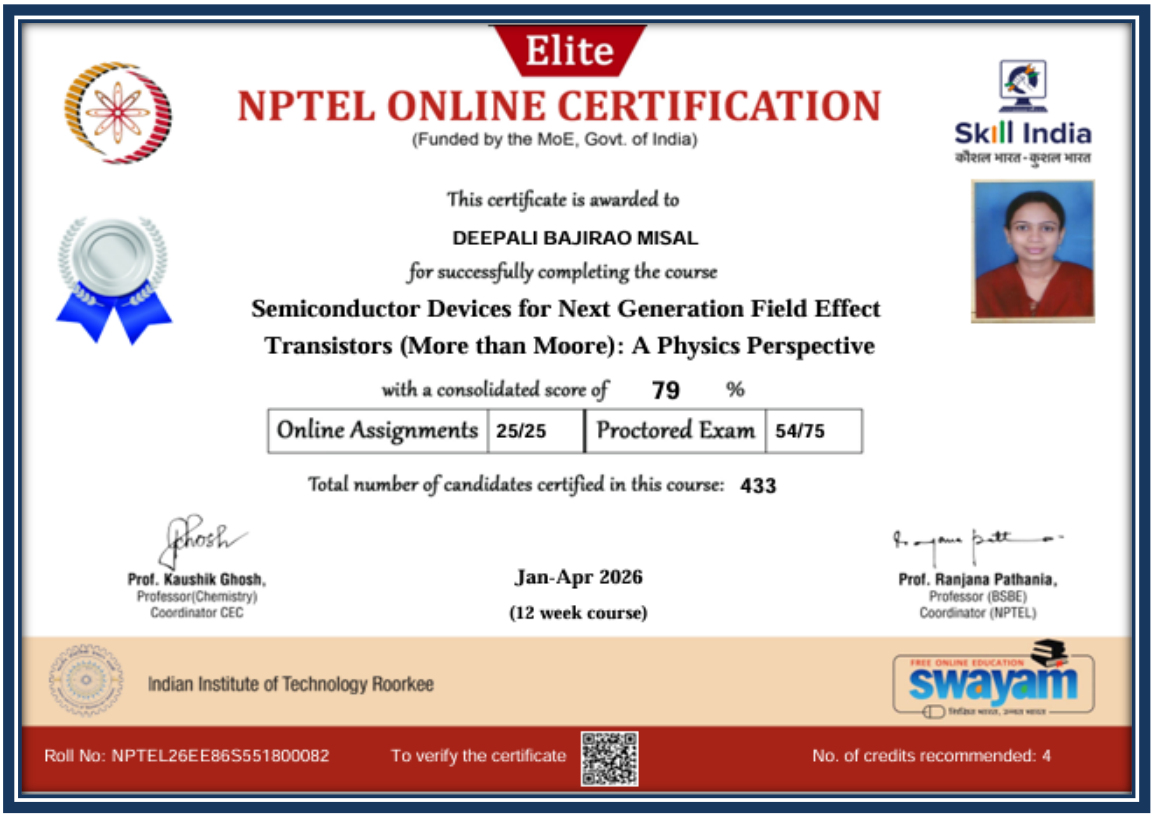
ISRO, Bengaluru

SE students from Keystone School of Engineering visited Indian Space Research Organization Centre, Bengaluru on 27 March 2026. The visit included interactive Q&A sessions where students discussed research opportunities, internship pathways, and industry expectations.

FACULTY ACHIEVEMENTS

Sr. No.	Faculty Name	Achievements
1.	Dr.Kalyani Wagh	1. Elite+Silver Certification in NPTEL course on "Effective Engineering Teaching Practices"
2.	Prof. Deepali Misal	1. Elite+Silver Certification in NPTEL course on "Semiconductor Devices for Next Gen FETs" 2. MajorDOMO Certification v2.0





Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

Skill India
कौशल भारत-कुशल भारत

This certificate is awarded to

DEEPALI BAJIRAO MISAL

for successfully completing the course

Semiconductor Devices for Next Generation Field Effect Transistors (More than Moore): A Physics Perspective

with a consolidated score of 79 %

Online Assignments	25/25	Proctored Exam	54/75

Total number of candidates certified in this course: 433

Prof. Kaushik Ghosh,
Professor(Chemistry)
Coordinator CEC

Jan-Apr 2026
(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL26EE86S551800082 To verify the certificate No. of credits recommended: 4

DOMO UNIVERSITY

CERTIFICATE OF COMPLETION

Domo is pleased to certify

Deepali Misal

In recognition of your successful completion of

MajorDomo Certification v2.0

MAJORDOMO
DOMO PROFESSIONAL
DATA SPECIALIST

Zack Cameron, Director or Education

4/2/2026
Date of Completion

CONFERENCES AND PUBLICATIONS

Sr. No	Faculty Name	Topic/ Title	Conferences
1	Prof. Sharwari Kulkarni	IoT-Enabled Smart Wheelchair with Voice Control and Health Monitoring for Assistive Mobility	7th National Level Student Conference IEEE TECHNICOKNOCKDOWN 2026 (TKD-26)
		AI-enabled IoT Anti-proaching System using ESP32 and Tiny ML for edge intelligence	1st International Conference on Interdisciplinary Advances in Mechanical, Electronics and Computer Engineering (INMEC-2026)
		Systematic Review on Audio Controlled Smart wheelchair and Health Monitoring	1st International Conference on Interdisciplinary Advances in Mechanical, Electronics and Computer Engineering (INMEC-2026)
2.	Prof Rupali Nale	Wildlife Trap Surveillance Using IOT & Raspberry-Pi	8th IEEE INTERNATIONAL CONFERENCE on "Emerging Smart Computing & Informatics (ESCI-2026)"
		Digital Image Processing and Deep Learning Techniques for Stripe Rust classification on Wheat Crop: A Review	1st International Conference on Interdisciplinary Advances in Mechanical, Electronics and Computer Engineering (INMEC-2026)
3.	Prof. Kiran Ghate	Automated Irrigation System and leaf disease detection using Raspberry Pi.	3rd International Multidisciplinary Conference on Research, Technology & Engineering.

4.	Prof. Suvarna Phule	Landmine Detection Using Surveillance Drone (UAVs)	IEEE Conference Paper
		Traffic Management Using AI	IEEE Conference Paper
		A Comprehensive Review of Deep Learning-Driven Vision Techniques for Advanced Driver Assistance Systems	IEEE Conference Paper
		Digital Image Processing and Deep Learning Techniques for Stripe Rust classification on Wheat Crop: A Review	1st International Conference on Interdisciplinary Advances in Mechanical, Electronics and Computer Engineering (INMEC-2026)
4.	Prof. Deepali Misal	Sustainable Small-Scale Urban Hydroponic System with Humidifier Assisted Climate Management	1st International Conference on Interdisciplinary Advances in Mechanical, Electronics and Computer Engineering (INMEC-2026)
		A Physics-Informed Deep Learning Framework for Performance Optimization of AlGaN/GaN HEMTs in High-Frequency RF Applications	2nd International Conference on Sustainable AI Driven Innovations in Engineering & Management(ICSAIEM-2026)

PATENTS AND COPYRIGHTS

"An Intelligent IoT System for Real Time Structural Health Monitoring" patent filed by Prof. Deepali Misal

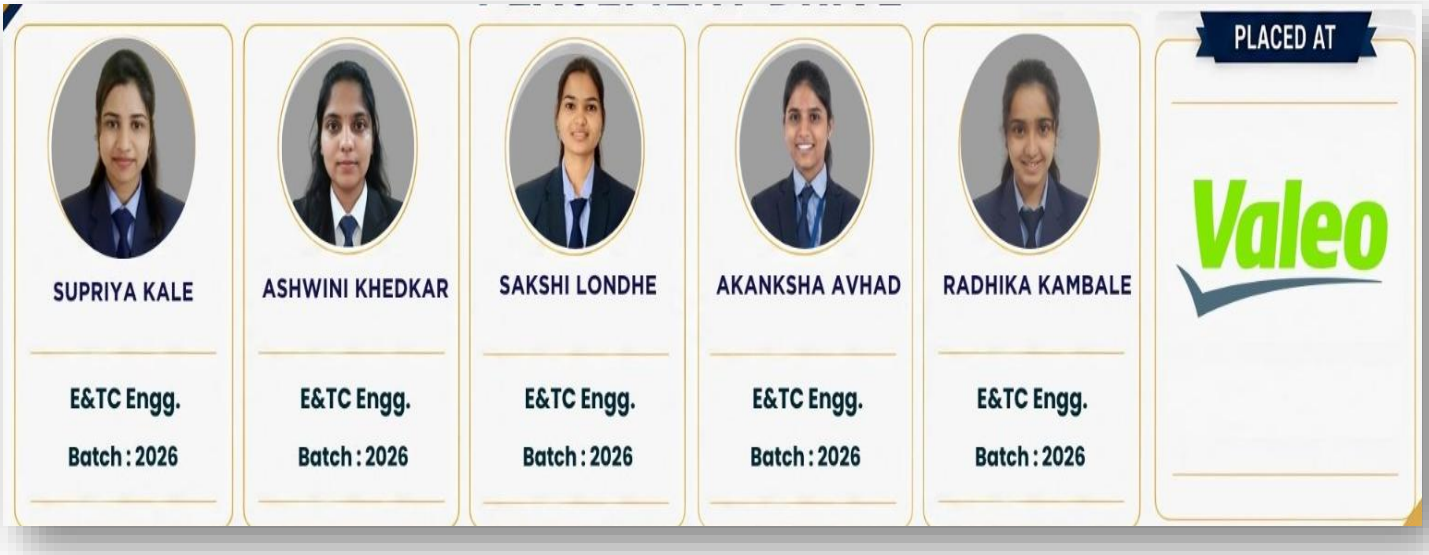
COPYRIGHTS FILED:

Sr. No.	Authors	Title
1.	1. Dr. K. P. Wagh 2. Ms. Pranali Mahale 3. Ms. Ashwini Khedkar 4. Ms. Radhika Kamble 5. Ms. Kajal Sarode	Focused session and time management using AI frameworks
2.	1. Dr. K. P. Wagh 2. Mr. Krishnadas Lamdade	FraudLens: AI powered fraud detection system for government welfare scheme integrity
3.	1. Dr. K. P. Wagh 2. Mr. Aditya Gangalwar	ApexConnect: An edge to cloud IoT framework for offline motorcycle telemetry and peer to peer common
4.	1. Prof. Kiran Ghate 2. Ms. Disha Kale 3. Ms. Shruti Zende 4. Ms. Shreya Sawe	Fingerprint based forensic intelligence system using machine learning.

PLACEMENT AND INTERNSHIP

B.E. 2025-26

Sr No	Student Name	Company Name	Role
1	Supriya Sanjay Kale	Thynk Tech INDIA OPC Private Limited, Pune	Software Engineer
2	Lalit Shivaji Jagadhane	Thynk Tech INDIA OPC Private Limited, Pune	Software Engineer
3	Sayali Sunil Deshmukh	SkillHigh	Intern
4	Adityasingh Pardeshi	Papermint Robotics	Intern
5	Aditya Raju Deokar	Vaastav Technologies	Intern
6	Jay Anandrao Shelke	Nishitronics Instrumentation Pvt Ltd, Pune	Intern
7	Onkar Anil Hande	Chetas Control System Pvt. Ltd, Pune	Intern- Trainee Engineer
8	Komal Vijay Kakade	Auxipower Dynamic Technologies Pvt. Ltd. Pune	Electronic Design Engineer Trainee
9	Aarti Sunil Ghadge	Auxipower Dynamic Technologies Pvt. Ltd. Pune	Electronic Design Engineer Trainee
10	Snehal Dattatray Bhosale	Auxipower Dynamic Technologies Pvt. Ltd. Pune	Electronic Design Engineer Trainee


PLACED AT
Valeo
SUPRIYA KALE
E&TC Engg.
Batch : 2026
ASHWINI KHEDKAR
E&TC Engg.
Batch : 2026
SAKSHI LONDHE
E&TC Engg.
Batch : 2026
AKANKSHA AVHAD
E&TC Engg.
Batch : 2026
RADHIKA KAMBALE
E&TC Engg.
Batch : 2026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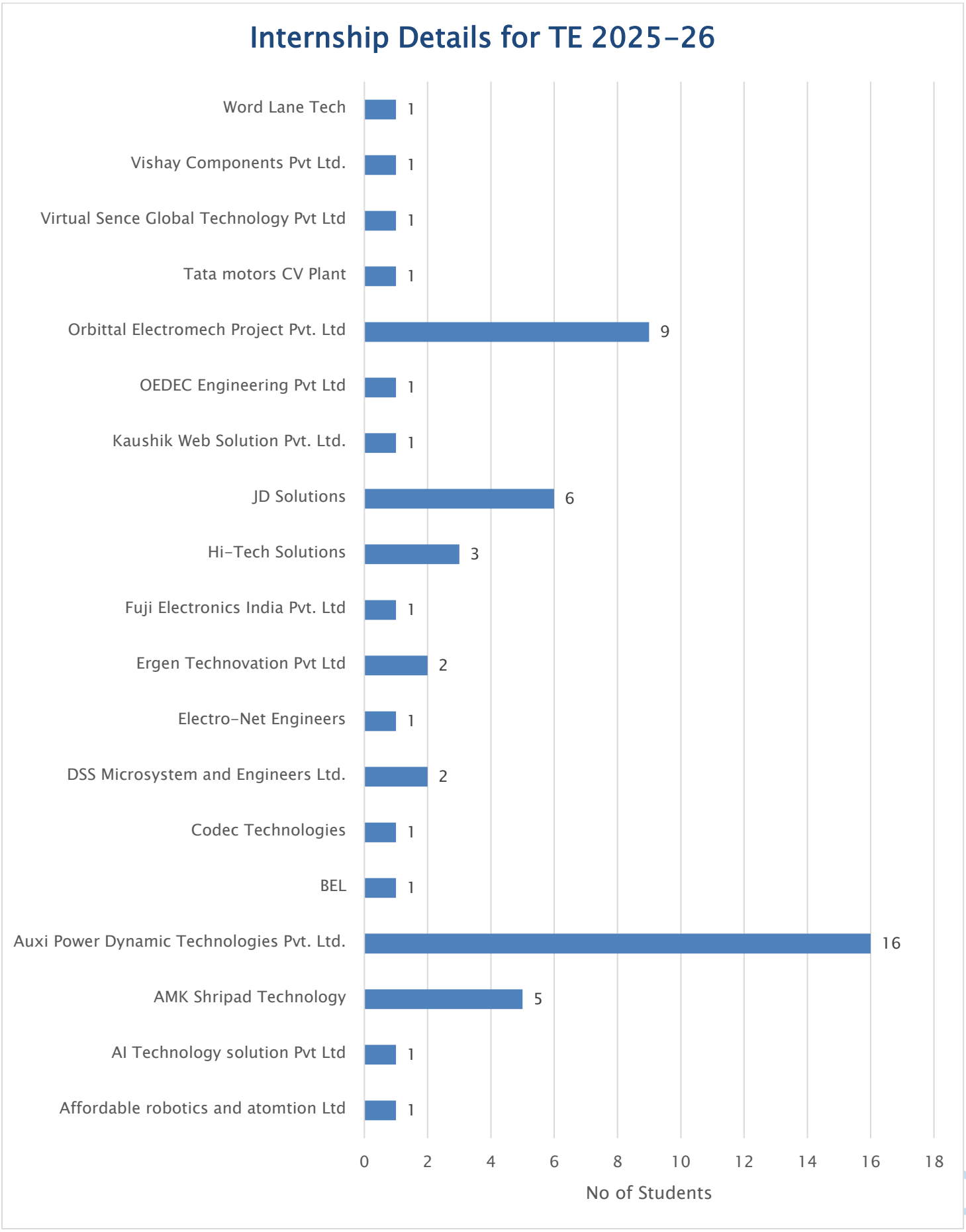
SHWETA BONDAGE
BE E&TC - BATCH 2026
On your selection at
Blutik


Congratulations
PREM SHARMA
BE E&TC - BATCH 2026
On your selection at
peppermint robotics


Congratulations
ADITYASINGH PARDESHI
BE E&TC - BATCH 2026
On your selection at
TECHNOTREON
THE INNOVATION COMPANY


Congratulations
KOMAL KAKADE
BE E&TC - BATCH 2026
SAHIL DHOLE
BE E&TC - BATCH 2026
SHAHID PATHAN
BE E&TC - BATCH 2026
On your selection at
O/E/N India Limited


Congratulations
OMKAR HANDE
MOHAN KADAM
ABHISHEKH DESHMUKH
BE E&TC
BATCH 2026
On your selection at
Chetas Control Systems


Internship Details for TE 2025-26
Word Lane Tech
1
Vishay Components Pvt Ltd.
1
Virtual Sence Global Technology Pvt Ltd
1
Tata motors CV Plant
1
Orbittal Electromech Project Pvt. Ltd
9
OEDEC Engineering Pvt Ltd
1
Kaushik Web Solution Pvt. Ltd.
1
JD Solutions
6
Hi-Tech Solutions
3
Fuji Electronics India Pvt. Ltd
1
Ergen Technovation Pvt Ltd
2
Electro-Net Engineers
1
DSS Microsystem and Engineers Ltd.
2
Codec Technologies
1
BEL
1
Auxi Power Dynamic Technologies Pvt. Ltd.
16
AMK Shripad Technology
5
AI Technology solution Pvt Ltd
1
Affordable robotics and atomtion Ltd
1
0
2
4
6
8
10
12
14
16
18
No of Students


AUXIPOWER
DYNAMIC TECHNOLOGIES PVT LTD

Robotics Training at Symbiosis Skills Institute, Pune.

PROJECT COMPETITION

Aditya Gangalwar of the ENTC department, Keystone School of Engineering, won recognition at the National Level Project EXPO during TESSERACT 2K26 held on 27 April 2026 for his project "ApexConnect Titan." Aditya showcased a polished prototype and delivered a strong technical presentation before a panel of expert judges. His work reflected outstanding practical skills and industry-oriented thinking.

SPORTS ACHIEVEMENTS

Basket Ball
Winner

Throw Ball
Runner– up

Box Cricket Runner- up

Player of the Match

STUDENT'S ACHIEVEMENTS

VOIS

edunet foundation

Certificate Of Achievement

This certificate is awarded to

GANESH SHRINIVAS KETIBOYANA

from **Keystone School of Engineering, Pune**
for completing the VOIS Innovation Marathon 2.0 on Emerging Technologies under VOIS for Tech University Engagement Program.

A journey that began in Sept 2025 culminated with a showcase event on 27th Feb 2026.

Deepender Kumar
HEAD
VODAFONE IDEA FOUNDATION

Nagesh Singh
CHAIRMAN
EDUNET FOUNDATION

2026.03.28 20:19

Bansilal Ramnath Agarwal Charitable Trust's

VISHWAKARMA INSTITUTE OF TECHNOLOGY

(An Autonomous Institute affiliated to Savitribai Phule Pune University)

IEEE Pune Section

CERTIFICATE

OF PARTICIPATION

THIS IS TO CERTIFY THAT

Krishnadas Rama Lamdade

has successfully completed one week online Faculty Development Program on **"AI FOR SUSTAINABLE DEVELOPMENT "** from **4th May to 8th May 2026**, organized by the Department of **Computer Engineering (Software Engineering), VIT Pune,** in association with **IEEE Pune section**

Dr.Kiran More	Dr.Aparna Barbadekar	Prof.Dr. Leena Deshpande	Prof. Dr. Sunil Sangve	Dr. Amar Buchade	Prof. (Dr.) Rajesh Jalnekar
Associate Dean QA .	Assistant Professor .	Associate Dean Corporate Relation	HOD CS-Software Engineering	Chair IEEE Pune Section	Director, VIT, Pune

PUNE VIDYARTHI GRIHA'S

COLLEGE OF ENGINEERING & SHRIKRUSHNA S. DHAMANKAR INSTITUTE OF MANAGEMENT, NASHIK

ACCREDITED BY NAAC. APPROVED BY AICTE NEW DELHI & DTE MAHARASHTRA AND AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

NAAC A

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms **Krishnadas Lamdade**

of Pune Vidyarthi Griha's College of engineering Nashik has enthusiastically participated in Hackathon 2026 competition organised by **upXgen** powered by UVK Link Pvt.Ltd

Congratulations!

Dr. Shivaji. V. Gawali	Shri. Yuvraj Vadaje	Dr. M. V. Bhalerao	Dr. V. J. Gond	Shri. S. N. Gunjal
R & D Coordinator	CEO	Vice Principal	Principal	Secretary