



e Varta

Miles to go

A Biannual Newsletter by Department of Electronics and Telecommunication

Institute Vision: To be a premier academic institution that fosters diversity, value-added education and research, leading to sustainable innovations and transforming learners into leaders.

Department Vision: To nurture young minds and provide them with a strong foundation through academic excellence & skill-based knowledge, transforming them into efficient professionals who can take on challenges in the fields of Electronics and Telecommunication Engineering for sustainable technological development.

Department Mission

- ❖ To educate students on domain knowledge in Electronics and Telecommunication Engineering using adaptive teaching-learning practices.
- ❖ To create a conducive learning environment that offers value-added education, enabling students to be career ready.
- ❖ To cultivate research & innovation as a bent of mind among students by industry-academia interaction.
- ❖ To enrich students with self-learning ability to sustain technological changes.



Department of Electronics and Telecommunication

Hope Foundation's
International Institute of Information Technology(I²IT)
Hinjawadi, Pune (MH) - 411057

❖ **Students Achievements**

- BE student **Anisha Chavan, Shruti Virile, Arnav Kolhe, Tanmay Bobade and Sumit Chaskar** were selected for the **Grand Finale competition of SIH-2025, Govt. of India** from 8 Dec-12 Dec 2025
- BE student **Vaishnavi Gangurde** received **Certificate of Recognition** for **Oracle cloud infrastructure 2025** certified AI foundations associate organized by Oracle University on 7th October 2025
- **Ayush Harichandra Nakhale (SE E&TC) Sarthak Santosh Dhamale (SE E&TC)** were part of **Team DNinjaS** which got shortlisted for the prestigious **AIDRI-2 Remote Hackathon 2025** with faculty coordinator **Prof. Bhagyashri Tanaji Thorat**
- TE students **Shravani Surve, Hemanshu Tikam, Rutuja Mane, Atharva Baviskar** received **5th prize in Ideathon finale** on Energy Efficient and Sustainable Campus organized by SiG on Energy and Environmental Engineering in association with PES-IAC Chapter, IEEE Pune section, WiE AG IEEE Pune section on 25-Aug 2025

❖ **University Result**

E&TC Department highly Acknowledge and Congratulate students for their Incredible Success!

BE – 97.2% of All Clear Students with 90.1% in Distinction and 7.01% in First Class

BE (2024-25) Toppers

Rank	Name of the topper students	SGPA	Class
1	BHOYAR GOURI SANDEEP	9.70	First Class with Distinction
2	GADHAVE ISHANT CHHOTUKUMAR	9.68	
3	SAMRUDDHI DHANANJAY BHADANE	9.58	
4	GUNDAL PARAG BHIMRAJ	9.55	
5	SAYYAM RAHUL CHORDIYA	9.50	
6	RASAL ASHWINI RAJARAM	9.48	
	AWATE SMRUTI RAMCHANDRA	9.20	
8	JATAL ADITI DIGAMBAR	9.45	
9	GAHIWAD DARSHAN KISHOR	9.43	
10	MANANI RIYA MANISH	9.40	

TE – 80.6% of All Clear Students with 47.5% in Distinction and 16.3% in First Class

TE (2024-25) Toppers

Rank	Name of the topper students	SGPA	Class
1	CHAVAN ANISHA PRAKASH	9.52	Distinction
2	RAUT ADITI ANIL	9.48	

3	JADHAV GAURI PRABHAKAR	9.38	
4	ATHARVA VISHWAS DALVI	9.12	
5	SHINDE VAIBHAVI RAOSAHEB	9.05	
6	VARALE SHRUTI YUVRAJ	8.98	
7	DANAO YASHASWI VINOD	8.93	
8	KULKARNI ATHARV SANTOSH	8.88	
	PATIL DIKSHA GOPAL	8.88	
9	KULKARNI SIDDHANT SUNIL	8.83	
10	VERMA SHRISTI KUMARI	8.76	

SE – 66.7% of All Clear Students with 47.2% in Distinction and 13.9% in First Class

SE (2024-25) Toppers

Rank	Name of the topper students	SGPA	Class
1	SHRAVANI SANJAY SURVE	9.77	Distinction
2	JADHAV PRERNA MAHADEV	9.64	
3	SHRUTI PATHAK	9.61	
4	ARDE KANISHKA S.	9.55	
5	DESHMUKH PRABHANJAN	9.50	
	LOKHANDE SNEHA DAGDU	9.50	
7	SMRITI SINGH	9.43	
8	AGRAWAL NANDINI DILIP	9.30	
	BARAHALIKAR NACHIKET N.	9.30	
10	OZA DISHA VIJAY	9.23	

❖ **Faculty/Staff Achievements**

We sincerely thank the Management and Principal for encouraging and extending support for Faculty/Staff Achievements

- **Dr V Rajesh Chowdhary** was invited to be a jury member for **Business Idea Poster Presentation (IIC activity)** for the **PGDM Second Year students** on 8 January 2025 at **Kirloskar Institute of Management, Pune**. The objective of this event was to encourage innovative thinking, entrepreneurial skills, and practical application of management concepts among our students.
- **Dr V Rajesh Chowdhary** mentored industry partnered team and was awarded with **runner up Prize** in 36 hours **“AI4Andhra Police Hackathon”** led by **Andhra Pradesh Police Department** and knowledge partner **4sight AI**, held at **RVR & JC College of Engineering, Guntur** during 27th – 29th June 2025.
- **Dr. V Rajesh Chowdhary** was recognized as **Session Chair** and **Journal Reviewer** or **editorial board members** for **Unleashing the power of Geospatial & Frontier Technologies for a Sustainable Future – GIFTS Summit 2025** organized by **EarthSight Foundation** and **Symbiosis International University, Pune** held from 1–3 September 2025, Symbiosis International University, Pune, India
- **Dr. Shweta Nishit Jain** successfully defending her **Ph.D. Viva-Voce** on the topic **“Novel Predictive Models for AD Detection using Brain MRI Analysis”** under the guidance of **DR. AKHILESH KUMAR MISHRA** and **Co- Guided by DR. PRIYA DUDHALE PISE** from **SJJT University**, on October 18, 2025.

- **Dr. V Rajesh Chowdhary** was recognized as **Technical Session Co-Chair** for **The 4th International Symposium on Disaster Resilience and Sustainable Development (DRSD 2025)**, organized by **Asian Institute of Technology, Thailand** held on 24-26th November 2025
- **Prof. Bhagyashri Thorat** received **Certificate of Appreciation** for completing **AICTE sponsored QIP -PG program High Performance Computing** during the tenure June-December 2025

❖ Consultancy

Dr. V. Rajesh Chowdhary, Head-Research and Development and faculty member of E&TC Department singlehandedly drives the Research and Development activities of our Institute.

Following is the list of Completed and On-Going Consultancy Projects

- Design and Development of Real Time Video Streaming and Analytics Platform using AI funded by **Parabola9 Pvt Ltd, India** with a budget of Rs. 20,00,000, for the duration from December 2024 onwards and amount received for the current academic year is Rs. 8.85 Lakhs (Inclusive of 18% GST).
- Design and Development of Aset Information Management System funded by **Hofincons International Pvt. Ltd, India** for the duration March 2023 onwards with budget of Rs. 1,00,00,000 and amount received in the current academic year Rs. 13,45,200 in first phase and Rs. 45,19,400/- in second phase

❖ Publications by Students/Faculty

We sincerely thank the Management and Principal for encouraging and motivating Students/Faculty for Publication and Research work

- **Dr. V Rajesh Chowdhary and Prof. Anjali Jagtap** published a paper "Geospatial Analysis of Coastal Inundation in Maharashtra Using DEM and IPCC Forecasts: A Google Earth Engine Approach for Climate Resilience" in Journal ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences (Q3), ISSN: 2194-9041, E-ISSN: 2194-9050 in Dec-2025
- **Prof. Shweta Jain** published a paper "Efficient Approximate Multiplier for Image Processing Application" in the Scopus Indexed Journal- Journal of Information Systems Engineering and Management, ISSN (Online): 2468-4376 in February-2025

❖ Alumni Interaction

Department always connects with Alumni to guide our current students through their experience.

We thank our Alumni for extending their support for the overall development of our students

- **Alankrit Sinha (Batch-2023)**, Member of Technical Staff, Cadence Design Systems Pvt. Ltd. Bangalore guided on "**Higher studies and roadmap to get into Machine Learning for ENT**" for TE students on 14-07-2025
- **Mr. Akash Padshetty, (Batch-2014)** and **Mr. Kalpesh Badhe** focused on the session entitled as "**A Hand-on Journey into ETL using Talend Tool**" for TE, and BE students on 21-07-2025 at CC
- **Mr. Raghav Gosavi (Batch-2025)**, Avionics and Embedded System Engineer at Aethrone Aerospace, guided students and had an interactive session on "**How to Crack interviews for Aethrone Aerospace**" 30/08/2025 at 3:00 to 4:00 pm (online mode) for BE students

❖ Add on Course

Department has a special focus on academic enrichment of students and for this additional Add-On Courses on specific areas by the domain experts have been arranged to fill the curriculum gap.

- **Dr. Bhakti Ghate**, Counseling Psychologist, NLP Certified Practitioner, CBT Practitioner – Beck Institute, BYST Mentor conducted Add on Module on “Mental Health First Aid: Supporting Well-being and Building Resilience” for SE students on 20/08/2025
- **Dr. Priyadarshini Karve**, CEO, Clean Energy Access Network (CLEAN), Pioneer in environmental sustainability, waste-to-resource technologies, and renewable energy conducted Add on Module on “Green Careers and Entrepreneurship for Engineers” for SE and TE students on 09-09-2025
- An expert Design Engineer from the Iravan Pvt. Ltd., Pune, conducted Add on course on “Introduction to Verilog” for TE students from 15-0-2025 at A-301

❖ Expert Lectures

In all semester students are upraised on state-of-the-art skills by organizing Expert Lectures by renowned dignitaries from industry

- **Dr. Gajanan Kulkarni**, CEO of Zillion Group Solutions, Pune conducted expert session on “Engineering the Future: ESDM Careers for Electronics and Electrical Innovators” for SE students on 8-07-2025 at A-305
- **Mr. Kalpesh Badhe** and **Mr. Akash Padshetty** focused on the expert session entitled as “A Hand-on Journey into ETL using Talend Tool” for TE, and BE students on 21-07-2025 at CC
- **Mrs. Aarti Ahirrao**, Global Education Advisor, Career Coach, Student Visa Specialist conducted expert session on “Beyond Graduation: Pathways to Higher Studies and Global Opportunities” for SE, TE and BE students on 03-09-2025
- **Mr. Gajanan Kulkarni**, CEO of Zillion Group Solutions, Pune conducted an expert session on “Understanding the Semiconductor Industry: Business Architecture & Workforce Dynamics” for SE students on 11-09-2025

❖ Workshops

To bring awareness about corporate practices and to expose students to real industrial challenges Workshops and Interactive sessions are planned for all classes.

- **Research & Development, Consultancy & Collaboration (RDCC) Cell** of our institute had organized an interactive session on “Fueling Academic Excellence Through Journal Publishing” for all faculty members on 24-07-2025 at Mohini Chhabria Convention Center
- One-Day Faculty Orientation Workshop on “Data Structures and Algorithms”, SE (E&TC/Elex. 2024 Pattern) was organized by the department where syllabus discussion was taken over by **Dr. G. R. Patil**, Professor and HoD-E&TC Department, AIT, Pune, **Dr. Manoj V. Bhalerao**, In charge-Principal, PVG CoE and **S. Dhamankar** Institute of Management, Nashik, **Dr. Shital Dongre**, Head-AI & DS, Vishwakarma Institute of Technology, Pune and **Dr. Varsha Degaonkar**, Associate Professor, E&TC Department, IZIT, Pune
- “Design and Development of Quadcopter” workshop was conducted by TE students, Sameer Patil, Krutik Patil, Karthik Patil, Rohan Sable and Divyanshu Singh for SE students on 18-07-2025 at A-305

- Add-on Course on title “**Investment Analysis and Applied Macroeconomics**” was conducted by **Dr. Natraj Vaddadi, Senior Consultant and Secretary, CERG India** for SE students on 02-09-2025 at A-305

❖ Industrial Visits

- Industrial Visit to **CII NexGen Mobility Show 2025**, an international exhibition and conference showcasing the latest innovations in mobility technologies. Was carried out on 9th October 2025 (Afternoon) @**Pune International Exhibition & Convention Centre, Moshi, Pune** for SE students. This visit gave students a valuable opportunity to interact with industry leaders and innovators 🌐. Explore cutting-edge mobility technologies 🚗 ⚡ and gain exposure to emerging trends and career opportunities 🌐
- Industrial Visit to **UNIVERSAL CALIBRATION SERVICES PVT LIMITED**. was scheduled on 13th September 2025 and 27th September 2025 for TE students to build and upgrade practical knowledge of an individual

❖ Sponsored Final Year Projects

Department strongly believes in Learning-By-Doing and our constant endeavor is to impart project-based learning to students
We thank our Industry partners for facilitating us with Sponsored projects

- **Alex Virendra Sakha, Dhumane Geeta A, Mahale Shravani Vikas** are working on project **Lock Free Order Book Engine in C for HFT Applications**, technically sponsored by **Balin Tech Labs Pvt Ltd**, under the guidance of External Guide, Mr. Rahul Tandon and Internal Guide- Dr. Risil R Chhatrala
- **Dhwani Sanjay Patel, Verma Shruti Kumari, Varma Shruti Vijay** are working on project **Connected Intelligence**, technically sponsored by **Parabola9**, under the guidance of External Guide, Mr. Yash Chavan and Internal Guide- Dr V. Rajesh Chowdhary
- **Maske Vaishnavi R, Suryawanshi Shruti T, Lakunde N Harshitha** are working on project **Lithology Prediction from Petrophysical Logs using Machine Learning Technology**, technically sponsored by **Centre for Education & Research in Geosciences**, under the guidance of External Guide Dr. Natraj Vaddadi and Internal Guide- Prof. Ashvini N. Kulkarni
- **Patil Diksha Gopal, Shedge Vaishnavi Deepak, Solankey Krishna Milind** are working on project **Geofence App**, technically sponsored by **Centre for Environment and Research (CERG)**, under the guidance of External Guide, Dr. Natraj Vaddadi and Internal Guide Prof. Anjali A. Jagtap
- **Raut Aditi Anil** are working on project **An upgraded Walsh scheme for backend receiver system at GMRT**, technically sponsored by **Giant Metrewave Radio Telescope (GMRT)**, under the guidance of External Guide, Mr. Sandeep Chaudhari and Internal Guide Prof. Prashant L. Ahire
- **Bobade Tanmay G, Jadhav Gauri Prabhakar, Mohite Prathamesh Anil** are working on project **EV Side Charging Controller** technically sponsored by **NT Power Systems Pvt Ltd**, under the guidance of External Guide, Mr. Nelson D'Souza and Internal Guide- Dr. Varsha Degaonkar
- **Ansari Mohd Noor, Kolhe Arnav Vijay, Chaskar Sumit Shivaji** are working on project **AHB TO APB BRIDGE DESIGN USING VERILOG**, technically sponsored by **IRAVAN Technologies Pvt. Ltd.**, under the guidance of External Guide, Mr. Anas Khan and Internal Guide- Prof. Suvarna Hande
- **Chavan Anisha Prakash, Muthe Ashwini Kisan, Varale Shruti Yuvraj** are working on project **APB SLAVE INTERFACE COMPLIANT WITH THE AMBA 3 APB PROTOCOL USING VERILOG**, technically sponsored by **IRAVAN Technologies Pvt. Ltd.**, under the guidance of External Guide, Mr. Anas Khan and Internal Guide- Prof. Dia Magnani

- **Bairagi Pranjal Santosh, Bijwe Pauravi Vinod, Danao Yashaswi Vinod, Ilhe Sahil Kacheshwar** are working on project **Energy Harvesting Wireless Sensor Network for Environmental Monitoring**, technically sponsored by **Fountlab Solutions Private Limited (FountLab)** under the guidance of External Guide, Ms. Nivrutti Mahajan Internal Guide- Prof. Anjali A. Jagtap

❖ Co-Curricular Activity Participation

Department has always inspired students to engage themselves in Co-Curricular activities so that they build their skills and be Industry ready

- **BE students**, Shruti Varale, Gauri Jadhav, Sahil Ilhe, Atharv Kulkarni, Chaitanya Kulkarni, Vaibhavi Shinde, Prathamesh Mohite, Vishwajit Jadhav, Sanaya Surde, Apurv Gawai, Rushikesh Patil, Mehak Koul, Vedant Tolkar, Riddhi Apar and Sumit Chaskar completed a course on Mastering Dynamic Memory Allocation in C: Detect and Fix Memory Leaks with Valgrind organized by Maven Silicon on 19th June 2025
- **TE students**, Rohan Sable, Nikita Takkalaki, Saniya Mahajan participated in Bharatiya Antariksha Hackathon 2025 organized by Indian Space Research Organisation (ISRO) from 18th June 2025 to 9th July 2025
- **TE students**, Saurabh Naksakare, Pranav Kshirsagar, Soham Mali, Sharavani Surve, Dhruv Deore, Karan Bobade, Mandlik Atharva participated in Ideathon Energy Efficient and Sustainable Campus organized by PES IAS Chapter IEEE Pune section, SiG on Energy and Environment Engineering on 19th July 2025
- **BE students**, Aditya Lekule, Ritesh Kharat, Adesh Tekale participated in a workshop Mastering AI with Deep Learning for Edge-Centric Applications organized by Dept. of IT, PCCOE, Pune with IEEE education society, Pune Section from 4th Aug 2025 to 11th Aug 2025
- **TE students**, Sneha Lokhande, Smriti Singh, Prerna Jadhav participated in Ideathon Finale on Energy Efficient and Sustainable Campus organized by PES IAS Chapter IEEE Pune section, SiG on Energy and Environment Engineering on 25th August 2025
- **SE students**, Rohit Varma, Taufik Ali, Shivam Rasve, Samruddhi Kanade, Aditya Savalwade, Swarada Koli, Mithil Khobragade, Sharad Kalmani, Avdhut Bhoje, Abhishek Kulkarni, Komal Ganjave participated in a coding competition ByteBattles 2025 organized by ACM Student Chapter, IZIT, Pune on 9th September 2025
- **SE students**, Kuldeep Methe, Devendra Hundalekar participated in competition Vibe-Athon at Technosphinx 2025 organized by IEEE CCEW student branch, IEEE CIS chapter and IEEE SiG on 27th September 2025
- **TE students**, Apurv Kamalja, Shivanshu Methapatil, Atharva Dalvi participated in SQL Basic and Frontend Developer React organized by Academia on 7th October 2025
- **TE students**, Rutuja Mane, Hitesh Shimpi, Himanshu Tekam participated in project competition Innovation-2k25 organized by PES's College of Engineering Phaltam on 9th October 2025
- **SE students**, Sarang Patil, Priti Gavle, Siddhika Pimparwar, Alfiya Patel, Vaje Mauli participated in a workshop Silicon Symphony VLSI organized by HIEE Empowering Engineers Pvt Ltd on 15th October 2025

❖ Departmental ISETS Events

- **Har Ghar Tiranga – Let's Celebrate the Pride of Our Nation** campaign under the aegis of **Azadi Ka Amrit Mahotsav** was celebrated from 12th August to 14th August 2025.
- **"Mental Health First Aid: Supporting Well-being and Building Resilience"**, an Add-ON module was taken up by **Dr. Bhakti Ghate, Counseling Psychologist** for SE students on 20th August 2025

- **"Navigating the Future: How Satellite Technology Powers Real-Time Traffic Updates"** followed by **OpenStreetMap (OSM) Mapping Party** with student participants was organized on occasion of **"National Space Day 2025"** in association with **DSGeo Chapter**. Interactive sessions by **Ms. Seema Nayyar and Ms. Kiran Ahire, Senior Manager, TomTom India** was scheduled for SE and TE students @CC on 22nd August 2025
- **"Green Careers and Entrepreneurship for Engineers"** was organized for SE, TE and BE students where they interacted with **Dr. Priyadarshini Karve, Director - Samuchit Enviro Tech, Co-Founder - OrjaBox, Chief Executive Officer - Clean Energy Access Network (CLEAN), National Convener - Indian Network on Ethics and Climate Change (INECC), Director - Sustainable Cleaner Cooking Coalition (CCC)** on 9th September 2025 @CC
- **The Community Engagement Program** conducted by SE E&TC Engineering students at **Z.P. School, Maan Gaon** on 11th September 2025 aimed to create awareness among school children about important topics such as **Environmental Sustainability, Human Values, Clean Green Campus, Women's Health, Career Guidance, Professional Ethics, Gender Equity, and Technology Awareness**
- **"Expression 2025: Talent Showcase"** vibrant talent showcase for SE, TE and BE students of all branches was organized on **National Students Day (15th October 2025)**, providing students with a platform to display their creative, artistic, and performing abilities. on 8th October 2025

❖ MoU

Department has signed following MoU with Industry to provide opportunity for Internship, Sponsored Projects, Consultancy and various Collaborative Activities

Following is the list of new MoU signed for Academic Year 2025-26

- **The Centre for Education & Research in Geoscience** signed an MoU on **17/08/2025** for **5 years** till **16/08/2030**
- **EarthSight Foundation (ESF), Pune** signed an MoU on **01-09-2025** for **5 years** till **01-08-2030**
- **Zillionlink Private Limited, Pune** signed an MoU on **11/09/2025** for **5 years** till **10/09/2030**
- **DroneAcharya Aerial Innovations Limited, Pune** signed an MoU on **25-09-2025** for **5 years** till **24/09/2030**

Following is the list of On-Going MOU

- **NT Power Systems Pvt. Ltd.** signed an MoU on **1/1/2025**
- **Iravan Technologies, Pune** signed an MoU on **23/1/2025**
- **Asian Institute of Technology (AIT), Thailand** signed an MoU on **19/03/2025**
- **IP Shashtra/Swapnil Sanap and Associates** signed an MoU on **22/03/2025**
- **RedR INDIA** signed an MoU on **August 23** for **6 years** till **2029**
- **BigZero Technology** signed an MoU on **February 24** for **3 years** till **2027**
- **EduPlusNow** signed an MoU on **September 24** for **3 years** till **2027**
- **BluPrism (Eduskills)** signed an MoU on **September 24** for **3 years** till **2027**
- **FOUNTLAB SOLUTIONS PVT LTD** signed an MoU on **September-2020** for **5 Years**
- **Baithak Foundation** extended an MoU for **1 more year**
- **Pune Knowledge Cluster Foundation** signed an MoU on **January-2023** for **3 Years**
- **Worldwide ITES** signed an MoU on **December-2022** for **5 Years**
- **APVIKE** signed an MoU on **May 2022** for **5 years**

- Asian Disaster Preparedness Centre, Bangkok, Thailand signed an MoU on June-21 onwards