e Varta

Miles to go …..

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 a 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 student with self-learning ability to sustain with technological changes.

Department of Electronics and Telecommunication
Hope Foundation's
International Institute of Information Technology[I²IT]
Hinjawadi, Pune (MH) - 411057

❖ Students Achievements

- Vikram Sawant and Samiksha Sarnaik of BE-2022-23 secured Runner up position with a cash prize of 20,000Rs /-@API Hackathon 2023 conducted at Indian Institute of Science (IISC), Bengaluru and co-hosted by Integrated Electronics Corporation (Intel Corporation) and Hack2Skill
- Suyash Karnad of TE secured 3rd Rank in University Chess Tournament at Savitribai Phule Pune University (SPPU) on 26th September 2023
- Vinay Vilas Morale of BE- 2023-24 secured admission in Cardiff University, UK for Programme- MSc Software Engineering with a PPY (Professional Placement Year)
- Anamay Dhepe, Namita Chandrashekhar, Shekinah Ezekel, Prathamesh V. Jadhav received Best Pape Award @IEEE PuneCon 2023 6th International Conference @ COEP Technological University, Pune for the topic Smart Wearable for the Visually Impaired
- Sarthak Gupta of BE- 2023-24 received a Chartered Financial Analyst (CFA) Program Access Scholarship of USD300 which includes exam registration fees and full access to the curriculum and standard study tools

❖ University Result

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

BE – 91.0% of All Clear Students with 63% in Distinction and 28% in First Class

BE (2022-23) Toppers

Rank	Name of the topper students	SGPA
1	AKASH ASHOKKUMAR SOLUNKE	9.30
2	SAMIKSHA SHARADRAO SARNAIK	9.25
3	KUMARSHIVAM SINGH	8.70
4	PATIL SACHIN KAILAS	8.65
4	VAISHALI ASARAM GHIGE	8.65
6	PAYMODE PRATIK DILIP	8.60
6	ALANKRIT SINHA	8.60
8	SHUBHAM CHAUHAN	8.58
9	KSHIRSAGAR SAKSHI SHAILENDRA	8.50

TE – 69% of All Clear Students with 15% in Distinction and 38% in First Class

TE (2022-23) Toppers

Rank	Name of the topper students	SGPA
1	MRUNMAI KULKARNI	9.21
2	BHURE RUPESH DATTA	8.93
3	THAKARE RUPESH VIJAY	8.76
4	GHATOL AMIT SANJAY	8.64
5	ARGULWAR AJAY MANOJ	8.48
5	GHARDE ARADHYA VIJAY	8.48
7	SARTHAK GUPTA	8.45

8	MAHARAJ SHUBHAM KRISHNAMURARI	8.19
9	NADARGE SAKSHI ANIL	8.07
	SHUBHAM CHAUHAN	

SE – 52% of All Clear Students with 11% in Distinction and 15% in First Class

SE (2022-23) Toppers

Rank	Name of the topper students	SGPA
1	GUNDAL PARAG BHIMRAJ	8.39
2	SUYASH PARAG KARNAD	8.3
3	SAMRUDDHI DHANANJAY BHADANE	8.11
4	RASAL ASHWINI RAJARAM	8.02
5	GADHAVE ISHANT CHHOTUKUMAR	7.91
6	JATAL ADITI DIGAMBAR	7.89
	LONKAR SANIKA SANJAY	
8	BHOYAR GOURI SANDEEP	7.8
9	PATIL MANDAR SANTOSHRAO	7.61
10	ZAWAR VIDHI DINESH	7.55
11	HALKUNDE PRATIK SANTU	7.43

❖ **Faculty/Staff Achievements**

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

- Dr. S. M. M. Naidu was invited as Doctorial Committee Member at SRM University and also as a Reviewer for Radio Science Journal organized by Wiley AGU Publications
- Prof. Anjali Jagtap delivered an informative session on "Technical Paper Writing" at Cusrow Wadia Institute of Technology
- Dr. Varsha Degaonkar received a recognition as a Post Graduate Teacher and Ph.D. Research Guide by Savitribai Phule Pune University with effect from 31-08-2023 to 21/07/2038 (To Superannuation)
- Dr. V. Rajesh Chowdhary was invited as Scientific Committee Member @ 3rd International Symposium on Disaster Resilience and Sustainable Development 2023 by Asian Institute of Technology, Thailand
- Prof. Ashvini Kulkarni along with BE-2022-23 students, Vikram Sawant and Samiksha Sarnaik secured Runner up position with a cash prize of 20,000Rs /-@API Hackathon 2023 conducted at Indian Institute of Science (IISC), Bengaluru and co-hosted by Integrated Electronics Corporation (Intel Corporation) and Hack2Skill
- Prof. Ashvini Kulkarni along with BE-2022-23 students, Anamay Dhepe, Namita Chandrashekhar, Shekinah Ezekel, Prathamesh V. Jadhav received Best Pape Award @IEEE PuneCon 2023 6th International Conference @ COEP Technological University, Pune for the topic Smart Wearable for the Visually Impaired

❖ **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 are the list of On-Going Consultancy Projects

- Development of "Project Management Information System (PMIS)" funded by Asian Disaster Preparedness Center (ADPC), Thailand under Climate Adaptation and Resilience (CARE) for South Asia Project supported by World Bank for the duration June 2021 to October 2023 with budget of Rs. 1,05,30,000 and amount received in current academic year USD 7,500
- Design and Development of Billing Consolidation System funded by GINKGO SOFT COMPANY LIMITED for the duration July 2022 to October 2023 with budget of Rs. 47,95,000 and amount received in current academic year Rs. 17,98,200
- 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. 71,80,000 and amount received in current academic year Rs. 17,80,000
- Design and Development of e-Learning and Assessment Platform funded by Baithak Foundation, for the duration June 2023 to November 2023 with budget of Rs. 2000,000 and amount received in current academic year Rs. 150000
- Design and Development of Unified Platform for Real Time Monitoring of IoT Devices funded by Fountlab Pvt. Ltd, for the duration June 2023 onwards with budget of Rs. 10,00,000 and amount received in current academic year Rs. 6,00,000

❖ **Publications by Students/Faculty**

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

- Prof. Anjali A. Jagtap and Dr. Varsha Degaonkar along with BE-2022-23 students Utkarsh Shastrakar and Pratiksha Ghule published paper for the title Flood Risk Mapping using GIS of Mumbai District, India in 3rd International Conference on Innovative Sustainable Computational Technologies (CISCT 2023) with ISBN/ISSN number 57197
- Prof. Anjali A. Jagtap and Dr. Varsha Degaonkar along with BE-2022-23 students Utkarsh Shastrakar, Pratiksha Ghule and Ajinkya Gude published paper for the title Flood Mapping of Mumbai Using Sentinel Datasets in 3rd International Conference on Innovative Sustainable Computational Technologies (CISCT 2023) with ISBN/ISSN number 57197
- Prof. Shweta Nishit Jain published paper for the title Comparative Analysis of Alzheimer's Disease Detection Using Machine Learning Techniques in Scopus Journal with ISBN/ISSN number 20635346
- Prof. Shweta Nishit Jain published paper for the title Feature Extraction using at-convlstm based Cultural Algorithm for Image Understanding and for the title Semantic Segmentation in Medical Image Analysis with Convolutional Neural Networks in UGC Carelist Journal ICTACT Journal on image and video processing an International Publication of ICT Academy with ISBN/ISSN number 09769102
- Prof. Ashvini Kulkarni along with BE (2022-23) students, Anamay Dhepe, Namita Chandrashekhar, Shekinah Ezekel, Prathamesh V. Jadhav received Best Pape Award for the topic Smart Wearable for the Visually Impaired @IEEE PuneCon 2023 6th International Conference @ COEP Technological University

❖ **Intellectual Property Rights- IPR (Copyright, Trademarks, Patents, Geographical indications, Plant varieties, Industrial Designs and Semiconductor Integrated Circuit Layout Designs)**

We sincerely thank Management and Principal for inspiring and motivating Students/Faculty for IPR work and Heartiest Congratulations to the following Faculty members for securing IPR

- Prof. Ashvini Kulkarni, Prof. Sujata Virulkar along with BE 2022-23 students Jay Deore, Piyush Nagpal, Shubham Chauhan secured the copyright for the title Hostel Registration System on 6/6/2023 with IPR Number - L-123685/2023
- Dr. Risil Chhatrala and Prof. Anjali Jagtap secured the copyright for the title Activity Summary Display Board on 21/7/2023 with IPR Number - L-130440/2023
- Prof. Anjali A Jagtap, Dr. Risil Chhatrala, Dr. Varsha Degaonkar, Prof. Ashvini Kulkarni and Prof. Sujata Virulkar secured the copyright for the title Power Query Code for Conversion of Results into Usable Format on 11/8/2023 with IPR Number -SW-17077/2023
- Prof. Anjali A. Jagtap along with BE 2021-22 students Mrunalini Misal, Isha Pathak, Navzeg Bhalla secured the copyright for the title Designing of Smart Waste Management System to Avoid Overflow of Garbage and Monitoring on 11/8/2023 with IPR Number - L-132018/2023
- Prof. Ashvini Kulkarni and Prof. Sujata Virulkar along with BE 2022-23 students Aditi Naik, Anamay Dhepe, Namita Chandrashekhar secured the copyright for the title Smart Goggles on 24/8/2023 with IPR Number - L-132319/2023
- Prof. Ashvini Kulkarni, Prof. Sujata Virulkar and Dr. Varsha Degaonkar along with BE 2022-23 students Sachin Patil, Sharath Palle and Umesh Pawar secured the copyright for the title System for Automatic Windshield Wiper on 25/8/2023 with IPR Number -L-132417/2023
- Dr. Risil Chhatrala, Dr. Varsha Degaonkar, Prof. Ashvini Kulkarni, Prof. Sujata Virulkar and Prof. Anjali A Jagtap secured the copyright for the title Power Query Code to Automate Data Format Conversion from Multi Year Result Analysis Record on 27/9/2023 with IPR Number - SW-17324/2023
- Prof. Ashvini Kulkarni, Prof. Sujata Virulkar and Prof. Anjali A Jagtap along with BE 2022-23 students Aayush Joshi, Alankrit Sinha and Vinayak Parashar secured the copyright for the title Single Axis Solar Tracking System on 03/10/2023 with IPR Number - L133766/2023
- Dr. S.M.M. Naidu published a Patent for Automated Remote Healthcare Monitoring of Paralyzed People Using Internet of Medical Things (IOMT) on 24/11/2023 with patent number 202341067701
- Prof. Shweta Nishit Jain published a Patent for Machine Learning Based System for Fraud Detection and Prevention in Financial Transaction on 10/11/2023 with patent number 20232102655

❖ **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

- Dr. V. Rajesh Chowdhary, Head- Research and Development, Pralhad P. Chhabria Research Center (PPCRC) addressed students on the topic Full Stack Development on 1/08/23
- Ms. Hetika Artwani (Alumni 2016) International Support Officer, Nottingham Trent University UK addressed students on Study Abroad Opportunities on 23/08/23

❖ Add on Course

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

- Sushank Dahiwadkar, Co-Founder & Lead Instructor form WISDOM SPROUTS conducted a course on Significance of Data structures in IT Life from 17/07/23 to 27/07/23
- Prof. Nataraj Vaddadi, Co-Founder, Centre for Education & Research in Geosciences (CERG), Pune conducted course on Design Thinking & Innovation in two Phases: 4/08/23 to 5/08/23 and 22/09/23 to 23/09/23

❖ Expert Lectures

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

- Mr. Parashar Pandya, Business Development Manager, Jamboree Education conducted an Expert session on Study Abroad: Opportunities & Preparation on 9/08/23
- Ms. Hetika Artwani, International Support Officer, Nottingham Trent University UK addressed students on Study Abroad Opportunities on 23/08/23
- Mr. Partha Chaudhuri, General Manager, Atos India Ltd. conducted an Expert session on Fundamental Concepts of IT Project Management & IT Service Management - what students need to know for joining a Software Company? on 11/09/23
- Mr. Amit Mandora, Mr. Chirayu Mahajan and Mr. Nilesh Wagh, Head- IT & Business Development, ANA Cyber Forensic Pvt. Ltd, Pune conducted an Expert session on Cyber Security on 15/09/23
- Mr. Tanujjal Bora, Director, Centre of Excellence in Nanotechnology, Asian Institute of Technology, Thailand conducted an Expert session on Journey of Silicon to Nanotechnology on 5/11/23

❖ Industrial Visit

To bring awareness about corporate practices and to expose students to real industrial challenges, Industry Visits are planned for all classes.
We thank the industry partners for facilitating us for Industrial visits.

- Students visited BSNL, Chinchwad, Pune and were directed by Mr. C. B. Aher, Sub Divisional Engineer on 26/10/23
- Students visited India International EV Show 2023 on 2/12/23, were Mr. Hemang Dabhade, Director, Hemank auto parts Pvt. Ltd explained about all EV projects presented in the EV show
- Students visited IIT Bombay TECHFEST on 28/12/23 where students witnessed various events like International Robowars, Guest Lectures, International Exhibitions, Summits, VR and Gaming Setups

❖ **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

- Mali Virendra Mukundrai, Wagh Om Nilesh are working on project, Instrumentation of water level monitoring and its front-end development sponsored by Poyv Private Ltd under the guidance of External Guide, Yash Chavan and Vedangi Diwate
- Aaradhya Gharde,Vyankat Bhure and Gouri Desai are working on project, Upgradation of Instrumentation of water level monitoring and its front-end development sponsored by Poyv Private Ltd under the guidance of External Guide, Yash Chavan and Vedangi Diwate
- Solanke Mangesh, Sumit Amit Tiwari and Waghmare Atharva are working on project, Cost Efficient EV Conversion Kit sponsored by Hemank auto parts Pvt. Ltd under the guidance of External Guide, Hemank Dabhade

❖ **Social Event conducted by ISETS**

Along with Academic activities Department conducts a lot of social, cultural and interpersonal development activities for students

- On the occasion of Independence Day, HISTORIA HUNT: DECODING PAST was organized on 11/8/23 Event
- Students and Faculty participated and enjoyed THE INDEPENDENCE MARATHON on 15/8/20
- Cleanliness Campaign @Mhatoba Mandir was organized for Students and Faculty on 28/10/23 which was later on followed by Yoga Session

❖ **Sports Event Participation**

Suyash Karnad of TE secured State Level--3rd Rank in University Chess Tournament held at Savitribai Phule Pune University (SPPU) on 26th September 2023

❖ **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

- 24 TE students and 1 BE student attended a webinar on How VLSI is changing the automotive Industry in 2023 organized by Maven Silicon
- 6 SE students participated in Smart India Hackathon (SIH 2023) competition organized by Ministry of Education, Innovation Cell, AICTE
- Nikhil Kusale, Deep Kanawade and Tejas Satpute of BE participated in Microsoft Learn AI Skills Challenge competition organized by Microsoft

- Samrudhi Badhane of TE attended a workshop on Malicious Email Investigation Using Maltego organized by NXR WAVE CCBP 4.0 Academy
- Rushikesh Patil and Noor Ansari of SE attended a workshop on Google Cloud Campaign organized by Google Developer Student Club, I2IT
- Nikhil Kusale of BE attended a workshop on Machine Learning & Data Science with Python organized by PHN Technology Pvt Ltd
- Aditi Jatal of TE attended a workshop on Microsoft Student Ambassador Hands on Cloud Computing with AWS Bootcamp organized by Microsoft Student Learn Ambassador
- Reshma Newale, Kanya Uttekar and Parag Gundal participated in Quiz competition on Cyber Awareness Quiz organized by Quick Heal

❖ **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 MoU signed for Academic Year 2023-24
- Baithak Foundation signed an MoU on 23 May 2023
- Fountlab Solution signed an MoU on 26 May 2023
- BluPrism (Eduskills) signed an MoU on 16-October 2023

Following is the list of On-Going MOU

- Hofincons International Pvt Ltd, India signed an MoU on March-2023 for the duration March 2023 - June 2023
- Pune Knowledge Cluster Foundation signed an MoU on January-2023 for 3 Years
- Wiorldwide ITES signed an MoU on December-2022 for 5 Years
- Ginkgo Soft Company Limited, Bangkok, Thailand signed an MoU on June-2022 for the duration July 2022 - May 2023
- APVIKE signed an MoU on May-2022 for 5 years
- Student Promise signed an MoU on December-2021 till date
- Asian Disaster Preparedness Centre, Bangkok, Thailand signed an MoU on June-21 onwards
- FOUNTLAB SOLUTIONS PVT LTD signed an MoU on September-2020 for 5 Years
- Bharat Sanchar Nigam Limited signed an MoU on September-2020 for 3 Years
- The Centre for Education & Research in Geoscience signed an MoU on August-2020 for 5 Years
- Codex Solutions Pvt Ltd (MoA) signed an MoU on March-2020 till date
- Wisely Wise signed an MoU on July-2019 for 5 Years
- Shardashram Foundation signed an MoU on March-2019 for 5 Years
- TomTom signed an MoU on March-2019 for 5 Years
- IoT COE signed an MoU on May-2017 till date
- EdGate Technologies Pvt Ltd signed an MoU on