

# 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 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**  
Hinjawadi, Pune (MH) - 411057

❖ **Students achievements**

- Kunal Kanse received Invitation to attend Fellowship program, Global Citizen Convention 2022 by Melton Foundation.
- Varad Kulkarni and Akshay Kher was Second runner up at Chess competition organized by Inter Collegiate Sports Team Event, SPPU
- Yash Chavan is Hacker Rank certified for Python (Basic) and SQL (basic) course.
- Vedangee Diwate is Hacker Rank certified for SQL (intermediate) course.
- Darshan Arun Patil, Vaishnavi Tawade and Atharva Chatur received certification in C and Core Java from Disha Computer Institute.

❖ **University Result**

**Congratulations to all students for excellent result in university examination!!!**

**BE (2021-2022) Toppers**

Rank	Name of the topper students	SGPA	Class
1	GHADGE PRIYA MAHADEV	9.80	First Class with Distinction
2	MODI ISHAN SANDIP	9.70	
	PATHAK ISHA CHANDRAKANT	9.70	
	UTKARSH UJWAL SHASTRAKAR	9.70	
3	APURVA VILAS SHELKE	9.61	
	GHULE PRATIKSHA SHAHADEV	9.61	
	ISHAN SRIVASTAVA	9.61	
4	RAJPUT ADITYA SUMERSING	9.57	
5	MISAL MRUNALINI PURUSHOTTAM	9.55	

**TE (2021-2022) Toppers**

Rank	Name of the topper students	SGPA	Class
1	AKASH ASHOKKUMAR SOLUNKE	9.69	First Class with Distinction
2	SAMIKSHA SHARADRAO SARNAIK	9.64	
3	VAISHALI ASARAM GHIGE	9.6	
4	VHANANAVAR DINESHKUMAR BABU	9.55	
5	NAGPAL PIYUSH RAJENDRA	9.48	
6	KALYANI KATHANE	9.45	
7	ALANKRIT SINHA	9.4	
	KUMARSHIVAM SINGH		
8	SABLE AKSHAY UTTAM	9.38	
	SHUBHAM CHAUHAN		

**SE (2021-2022) Toppers**

Rank	Name of the topper students	SGPA	Class
1	MRUNMAI KULKARNI	9.18	First Class with Distinction
2	BHURE RUPESH DATTA	9.16	
3	SARTHAK GUPTA	9.09	
4	MAHARAJ SHUBHAM KRISHNAMURARI	8.98	
5	GODASE ABHINESH MOHAN	8.95	

6	ARGULWAR AJAY MANOJ	8.93	
	WAGH ONKAR SHAHU		
7	MUJAWAR SALMAN BABULAL	8.91	
8	HEMANG AMRITLAL JAIN	8.82	
	SATPUTE TEJAS SAMBHAJI		
9	GHATOL AMIT SANJAY	8.8	
10	APURVA SANTOSH APUNE	8.77	

#### ❖ Faculty/Staff achievements

**Congratulations to all faculty and staff for the achievements!!!**

Name of Faculty	Event Name / Details	Organized by	Achievement / Position / Prize
Dr. Risil Chhatrala	Syllabus designing/framing of the subject Cloud Computing BE E&TC Syllabus Revision 2019	Board of Studies E&TC, SPPU, Pune	Valuable Contribution
Dr V. Rajesh Chowdhary	Syllabus designing/framing of the subject Remote Sensing BE E&TC Syllabus Revision 2019	Board of Studies E&TC, SPPU, Pune	Valuable Contribution
Dr. Varsha Degaonkar	ICMACC 2022, Hyderabad	IEEE Hyderabad Section, University of Hyderabad, ICMACC 2022	Certificate of Appreciation
Dr. Varsha Degaonkar	International conference on Gender Equality and Women Empowerment 2023	PVG COET & GKP (W) IM, Pune and Dept of Education and Extension, SPPU, Pune	Session Chair
Dr. Varsha Degaonkar	IEEE PuneCon 2022	5th IEEE Pune Section's International Conference 2022	Organizing Program Committee Chair
Dr. Varsha Degaonkar	IEEEExtreme Programming Competition 16.0	IEEE	Certificate of Appreciation
Prof. Bhagyshri Thorat	AWS Academy Graduate	AWS Academy	Certificate of Completion
Prof. Bhagyshri Thorat	AWS Certified Cloud Practitioner	AWS Academy	Cloud Practitioner
Prof. Sujata Virulkar	IEEE PuneCon 2022	5th IEEE Pune Section's International Conference 2022	Technical Program Committee Member
Dr. Risil Chhatrala	5th IEEE Pune Section's International Conference 2022	5th IEEE Pune Section's International Conference 2022	Publicity Chair
Dr. V Rajesh Chowdhary	5th IEEE Pune Section's International Conference 2022	5th IEEE Pune Section's International Conference 2022	Technical Program Committee Chair
Prof. Anjali Jagtap	IEEE PuneCon 2022	5th IEEE Pune Section's International Conference 2022	Technical Program Committee Member
Prof. Ashvini Kulkarni	5th IEEE Pune Section's International Conference 2022	5th IEEE Pune Section's International Conference 2022	Pre Conference Workshop Chair
Dr. S M M Naidu	5th IEEE Pune Section's International Conference 2022	5th IEEE Pune Section's International Conference 2022	Steering Committee Member
Prof. Bhagyshri Thorat	5th IEEE Pune Section's International Conference 2022	5th IEEE Pune Section's International Conference 2022	Registration Team Member

### ❖ Consultancy

GINKGO SOFT COMPANY LIMITED offered consultancy of Rs. 40 Lacs for the project titled "Design and Development of Billing Consolidation System" to Dr. V Rajesh Chowdhary.

### ❖ Publications by Students/Faculty/Staff appointment

**Congratulations to all students and faculty for the research and publication!!!**

Title of paper	Name of the author/s	Name of journal/Conference	Month & Year of publication	ISBN/ISSN number
IoT Based Health Monitoring System	Samiksha Sairnaik, Sadanand Jori, Sakshi Kshirsagar	International Journal for Research Trends and Innovation	July 2022	2456-3315
Observation of an Uncertainty Estimation in Deep Learning	Dr. Varsha Degaonkar	NeuroQuantology (Anka Publishers)	December 2022	5613-5621 (doi:10.48047/NQ.2022.20.16. NQ880571)
Network Security in Cloud and Big Data Computing using AI	Dr. Varsha Degaonkar	Computer Integrated Manufacturing Systems CIMS (Beijing Advanced Manufacturing Technology Consultation Center)	2022	1006-5911 (DOI: 10.24297/j.cims.2022.12.23)
Brain Tumor Detection System Using Convolution Neural Network	Ishan Modi Ishan Shrivastava Shubham Koshti Janhavi Panambor Dr. Varsha Degaonkar Anjali Jagtap	5th IEEE Pune Section International Conference on Information, Implementation, and Innovation in Technology 2022 (IEEE PuneCon 2022)	2022	978-1-6654-9897-5
A comparative analysis of ResNet Architecture	Piyush Nagpal	International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON) on 23rd and 25th Dec 2022	2022	978-1-6654-5499-5
Flood Risk and Inundation Mapping of Assam using an Approach based on Geospatial Technology	Dr. V Rajesh Chowdhary	5th IEEE Pune Section International Conference on Information, Implementation, and Innovation in Technology 2022 (IEEE PuneCon 2022)	2022	978-1-6654-9897-5

### ❖ IPR/Copyright

Indian IPR/copyright filled and granted for the AY2022-2023 is as mentioned below

Name of the Faculty Member(s)	Title of the IPR	Filed/Granted	Date of Filed/Granted	IPR Number
Dr. Varsha Degaonkar, Prof. Smita Kadam Omkar Satpute, Sagar Chandurkar Shubham Potdar	Solar Power Harvesting System Optimization And Simulation For Wireless Sensor Network Nodes	Granted	1/10/2022	6615/2022-CO/L L-118996/2022
Prof. Ashivini Kulkarni, Prof. Sujata Virulkar Dr. Varsha Degaonkar, Sachin Patil Sharath Palle, Umesh Pawar	System for Automatic Windshield Wiper	Filed	1/10/2022	20662/2022-CO/L
Prof. Ashivini Kulkarni, Prof. Sujata Virulkar Dr. Risil Chhatrala, Akshay Sable Mugdha Deshmukh, Vikram Sawant	Face Recognition System with Temperature Measuring	Filed	1/10/2022	20670/2022-CO/L

Prof. Ashivini Kulkarni, Prof. Sujata Virulkar Prof. Anjali Jagtap, Akshay Sable, Mugdha Deshmukh, Vikram Sawant	Single Axis Solar Tracking System	Filed	1/10/2022	20669/2022-CO/L
Prof. Ashivini Kulkarni, Prof. Sujata Virulkar Aditi Naik, Anamay Dhepe, Namita Chandrashekhar	Smart Goggles	Filed	1/10/2022	20663/2022-CO/L
Prof. Ashivini Kulkarni, Prof. Sujata Virulkar Jay Deore, Piyush Nagpal, Shubham Chauhan	Hostel Registration System	Filed	1/10/2022	20632/2022-CO/L

#### ❖ Alumni Interaction

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

Name of the Course/Title	Name of the Resource Personal	Name of the Industry/Institute of the Resource Personal	Designation of the Resource Personal	Email & Contact Number of the Resource Personal	Start & End Dates
My journey After IZIT	Shubham Koshti	Infosys	Software Engineer	shubhamkoshti71@gmail.com 9527900992	26/7/2022
Challenges and Opportunities in Career advancement	Amruta Pavase Sourabh Singh	System Engineer	TCS Amdocs	9975399378 9823873522	23/9/2022
Higher Studies Opportunities in Germany	Apurva Holla	John Deer Germany	Development Engineer	9096310841	13/9/2022

#### ❖ Add on Course

Department of E&TC organize additional courses to enhance skills of students on various technology aspects.

Name of the Course	Name of the Resource Personal	Name of the Industry/Institute of the Resource Personal	Designation of the Resource Personal	Email & Contact Number of the Resource Personal	Start & End Dates
Add on course on Design Thinking and Innovation (DSGeo chapter)	Mr. Natraj Vaddadi	CERG	Trainer	nvaddadi@gmail.com 9822001960	10.08.2022 to 13.08.2022
Printed Circuit Board (PCB) Designing	Mr. Pravin Mohite	Aptron Technology, Satara	Director	pravinaptron@gmail.com	05/09/2022 to 08/09/2022
RDBMS	Spoken tutorial			https://spoken-tutorial.com	24/9/2022 to 24/10/2022
Java	Spoken tutorial			https://spoken-tutorial.com	24/9/2022 to 24/10/2022
Python 3.4.3	Spoken tutorial			https://spoken-tutorial.com	24/9/2022 to 24/10/2022

#### ❖ Value added courses

Department of E&TC organize value added courses to get acquainted with much needed skill sets.

Name of the Course	Name of the Resource Personal	Name of the Industry/Institute of the Resource Personal	Designation of the Resource Personal	Email & Contact Number of the Resource Personal	Start & End Dates
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Java Full Stack Masterclass	Pantech	Pantech Learning	Engineer	certificate@pantechlearning.com	1/9/2022 to 30.9.2022
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### ❖ Expert Lectures

Department of E&TC organizes expert/guest lecture with industry professional to establish industry institute connect and guide our students.

Name of the Expert/Guest Session	Name of the Resource Personal	Name of the Industry/Institute of the Resource Personal	Designation of the Resource Personal	Email & Contact Number of the Resource Personal	Date
Guest/Expert Lecture on Disaster Management and Mitigation (DSGeo chapter)	Ms. Anna Berlin	IMT Mines Ales, France	MS Student	anna.berlinl@yahoo.com 7249750076	26/7/2022
Guest/Expert lecture on Electric and Hybrid Vehicle	Dr. Yogesh Bhateshvar	ARAI academy, Pune	Professor	diwanji.pga@araiindia.com 9765534601	14/10/2022
Webinar on International Education Camp 2022	Dr. A K Tripathi	Asian Institute of Technology, Thailand	Chairmen Academic Senate	nitint@ait.ac.in	7/9/2022
Guest/Expert Lecture on Recent Trends in VLSI	Mr. Amol Randive	ESciComp India	Director Co-founder	amol.bharat@esc-india.co.in	29/9/2022
Expert Lecture on DISCover yourself	Mr. Ankit Rai	The Student Promise	Country Head	ankit@thestudentpromise.com 9175113776	13/10/2022
Guest/Expert Lecture on Embedded Systems and Programming	Mr. Mayur Kshirsagar	Cutiss Wright Corporation	Embedded/ IoT Engineer	mayurkshirsagar1011@gmail.com 8796711086	3/8/2022

### ❖ IEEE Student Chapter

IEEE Student branch organizes various activities for our current students on various aspects to enhance their skill sets.

Name of the Event	Name of the Resource Personal	Name of the Industry/Institute of the Resource Personal	Designation of the Resource Personal	Email & Contact Number of the Resource Personal	Date of Event
A session on Managing your professional development	Deenanath Kholkar	TCS Research	Chair for Industry Relations and Membership Development	deena.kholkar@tcs.com	26/6/2022
IEEE Workshop Net Zero Journey	Deenanath Kholkar	TCS Research	Chair for Industry Relations and Membership Development	deena.kholkar@tcs.com	8/7/2022
Visit to Smart City Command Center	Mr. Atmaram Magar	Pune Smart City Control and Command Center		amagar@inetcc.com 7276060367	22/8/2022
WiE International Leadership at Hyderabad	NA	NA	NA	NA	26/08/2022 to 27/08/2022
Tech Quiz	NA	NA	NA	NA	30/8/2022

Visit to Smart City officer	Mr. Annirudhha Sahapure	Pune Smart City	Chief Knowledge Officer	cko@punesmartcity.in	14/9/2022
Placement Talk	Naman Das Aditi Naik	Student	I2IT, Pune'	varshad@isquareit.edu.in	17/9/2022
<b>Name of the Event</b>	<b>Name of the Resource Personal</b>	<b>Name of the Industry/Institute of the Resource Personal</b>	<b>Designation of the Resource Personal</b>	<b>Email &amp; Contact Number of the Resource Personal</b>	<b>Date of Event</b>
Student Membership Gift to Dipawali day	NA	NA	NA	NA	20/10/2022
IEEE Xtreme 16.0	NA	NA	NA	NA	22 to 23 Oct 2022
Visit to TATA Archieves	Mr. Jagdish Chowdhary	TCS Research	Head/ Special Initiative (Analytics and Insights)	9850886521	19/11/2022
IEEE Pune Section Execom Meeting	NA	NA	NA	NA	12/11/2022
Guest Lecture on Electric and Hybrid Vehicle (Energy Club)	Dr. Yogesh Bhatekar	ARAI Academy, Pune	Professor	diwanji.pga@araiindia.com 9765534601	14.10.2022
Expert Lecture on DISCover yourself	Mr. Ankit Rai	The Student Promise	Country Head	ankit@thestudentpromise.com 9175113776	13/10/2022

#### ❖ Industrial Visit

Department of E&TC organizes field visit to understand industry working and standards.

Name of the Industry	Name of the Industry Personal	Designation of the Industry Personal	Email & Contact Number of the Resource Personal	Date of Visit
GMRT	--	--	dirncra@ncra.tif.res.in	22/7/2022
Aptron Technology Pune	Mr. Pravin Mohite	Director	pravinaptron@gmail.com	18/8/2022

#### ❖ Sponsored Final Year Projects

Following BE projects were industry sponsored for the AY 2022-2023

Title of Project	Name of Student	Area of Project	Sponsored Company Details	Mode of Sponsorship (Technical/Financial)	External Guide Name
IoT Based Attendance System Using BLE with WiFi Access point	Kajal Yadav, Ashish Hande Ninad Shagadkar	IoT	FountLab Solutions Pvt Ltd	Technical	Mr. Kishankumar Jha
Energy Monitoring System	Samiksha Sarnaik, Sakshi Kshirsagar, Sadanand Jori	IoT	FountLab Solutions Pvt Ltd	Technical	Mr. Kishankumar Jha
Reading and Processing Data from Industrial Sensor Using RS485 MODBUS	Yash Chavan Vedangee Diwate	Sensor Technology	APVIKE LTD	Technical	Kedar Bagul
3P Linking	Dineshkumar Vhananavar Varun Singh, Pratik Tiwari	Web Application	PAWAR TECH Services PVT LTD	Technical	Suraj Pawar

Pedestrian and Road Obstruct Detection	Darshan Arun Patil, Shruti Darekar, Vaishnavi Tawde	Image Processing	iASYS Technology Solutions Pvt Ltd	Technical	Vallab Dognde
Bizz 3 Solutions	Aayush Joshi, Aditi Naik Alan Roy	GIS	Mystic Paints	Technical	Mr. Roy
Logistic Route Optimization based on GIS	Jay Deore, Piyush Nagpal Shubham Chauhan	GIS	Mystic Paints	Technical	Mr. Roy

#### ❖ Social Event Participation

Student's participation in social event in AY 2022-23 is as follows

Name of the Student	Name of the Event	Details of Organizing Institute/Organization	State/Nat/Int	Starting Date of the Event	End Date of the Event
Deep Kanawade	NSS Blood Donation	I <sup>2</sup> IT, Pune	State	29/8/2022	29/08/2022
Aashay Kher	The Exhibit Conference 2022	International Republic Model United Nations	State	2022	2022

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Deep Kanawade	NSS Blood Donation	I <sup>2</sup> IT, Pune	State	29/8/2022	29/08/2022
Aashay Kher	The Exhibit Conference 2022	International Republic Model United Nations	State	2022	2022

#### ❖ Sports Event Participation

Student's participation in social event in AY 2022-23 is as follows

Name of the Student	Name of the Event	Details of Organizing Institute/Organization	State/Nat/Int	Starting Date of the Event	End Date of the Event
Shruti Darekar	Sports Committee Co-Head	I <sup>2</sup> IT, Pune	State	2022-2023	2022-2023
Swarnim Rai	Sports Committee member	I <sup>2</sup> IT, Pune	State	2022-2023	2022-2023
Khushi Dhake	Sports Committee member	I <sup>2</sup> IT, Pune	State	2022-2023	2022-2023
Rishabh Choudhari	Sports Committee member	I <sup>2</sup> IT, Pune	State	2022-2023	2022-2023
Yash Chavan	Sports Committee member	I <sup>2</sup> IT, Pune	State	2022-2023	2022-2023
Akshay Kher	Chess	Inter Collegiate Sports Team Event, SPPU	State	2022-2023	2022-2023
Varad Kulkarni	Chess	Inter Collegiate Sports Team Event, SPPU	State	2022-2023	2022-2023
Sarthak Kodag	Football	Troika 2022	State	2022-2023	2022-2023
Aradhya Gharde	Fair Play Pledge	National Sports & Physical Fitness Board	National	2022-2023	2022-2023
Deep Kanawade	Fair Play Pledge	National Sports & Physical Fitness Board	National	2022-2023	2022-2023

#### ❖ Co-Curricular Activity Participation

Student's co-curricular participation in the event in AY 2022-23 is as follows

Name of the Student	Name of the Event	Details of Organizing Institute/Organization	Organizing Institute Type	Type of Event	State/Nat/Int
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Yash Chavan	Python (Basic)	HackerRank	Academia	Certification	National Level
Yash Chavan	SQL (Basic)	HackerRank	Academia	Certification	National Level
Vedangee Diwate	SQL (Intermediate)	HackerRank	Academia	Certification	National Level
Sadanand Jori	Financial Safety Cyberspace	ISEA, PMU, NCERT	Academia	Certification	National Level
Nikita Lohale	Smart India Hackathon	Ministry of Education	Academia	competition	National Level
Darshan Arun Patil	C and Core Java	Disha Computer Institute	Academia	Certification	National Level
Name of the Student	Name of the Event	Details of Organizing Institute/Organization	Organizing Institute Type	Type of Event	State/Nat/Int
Aditi Naik	Creative Writing	Internshala	Academia	Training	National Level
Ceana Saji	Smart India Hackathon	Ministry of Education	Academia	competition	National Level
Narayan Chowdhary	Python	Amazing Training Basket Pvt Ltd	Academia	Training	National Level
Vaishnavi Tawade	C and Core Java	Disha Computer Institute	Academia	Certification	National Level
Varun Singh	Developer Virtual Experience	Accenture	Industry	Training	National Level
Meghana Malavade	Introduction to PCB design	Skill Lync	Academia	Workshops	National Level
Atharva Chatur	C and Core Java	Disha Computer Institute	Academia	Certification	National Level
Abhishek Kulkarni	Autocad	Autodesk	Academia	Certification	National Level
Ravi Prakash	Developer Virtual Experience	Accenture	Industry	Training	National Level
Sarvesh Ingle	Developer Virtual Experience	Accenture	Industry	Training	National Level
Shruti Alte	Programming with Python	Internshala	Academia	Training	National Level
Rupesh Bhure	Programming with Python	Internshala	Academia	Training	National Level
Yash Sherekar	Programming with Python	Internshala	Academia	Training	National Level
Sakshi Bari	Programming with Python	Internshala	Academia	Training	National Level
Vaishali Patil	Programming with Python	Internshala	Academia	Training	National Level

## ❖ MoU

Department of E&TC has signed following MoU with industry to provide opportunity for internship, sponsored projects, consultancy, collaborative activities for the AY, 2022-2023

Organization with which MoU is signed	Month & Year of signing MoU	Duration
GINKGO SOFT COMPANY LIMITED	Jun-22	27/12/2021 to 26/12/2025
WorldWide ITES	Dec-22	22/12/2022 to 21/12/2023

## Activity under MoU

Organization with which MoU is signed	Month & Year of signing MoU	Duration	List the actual activities conducted under the MoU
The Student Promise Ltd	Dec 2021	27/12/2021 to 26/12/2025	Guest Lecture on DISCover yourself
The Centre for education & Research in Geoscience	1/8/2020	2020-2025	Add on course on Design Thinking and Innovation
GINKGO SOFT COMPANY LIMITED	Jun-22	27/12/2021 to 26/12/2025	Consultancy
Apvike Ltd	18th May 2022	2021-2025	Sponsored Project
FountLab Solutions Pvt Ltd	1/9/2020	2021-2025	Sponsored Project