



PIMPRI CHINCHWAD COLLEGE OF ENGINEERING

# ANNUAL REPORT E&TC DEPARTMENT

ACADEMIC YEAR 2022-23



## EDITORIAL TEAM

DR. M. T. KOLTE  
DR. ANJALI SHRIVASTAV  
MRS. SONAL SHIRKE  
MR. AJAY GAADHE

## STUDENT EDITOR

SHRUTI BHAVSAR

## Department Details at a Glance

The Department of Electronics and Telecommunication Engineering (E&TC) at Pimpri Chinchwad College of Engineering (PCCoE), Pune was established in 2001 with an intake of 120 students for its undergraduate program. Since then, the department has consistently grown in stature, delivering excellence in technical education and producing competent engineering professionals.

The department's Undergraduate (UG) B.E. program has been NBA accredited by the National Board of Accreditation (NBA), New Delhi, across multiple cycles—2013–15, 2016–19, 2019–22, and most recently for 2022–25 (valid up to 30th June 2025). This accreditation reflects the department's sustained commitment to outcome-based education, continuous quality improvement, and academic excellence.

The E&TC department offers deep specialization in domains such as VLSI Design, Embedded Systems, Signal Processing, Communication Engineering, Internet of Things (IoT), and Artificial Intelligence. These specializations are supported through industry-standard labs, tools like Cadence, Xilinx, MATLAB, Python, and a dynamic curriculum aligned with current industry trends.

The department also offers a postgraduate program (M.Tech) in VLSI and Embedded Systems, aimed at advanced learning in design, development, and application of integrated systems. Students benefit from research-focused learning, hands-on projects, and exposure to cutting-edge semiconductor technologies.

Adding to its academic strength, the department is a recognized Ph.D. Research Centre under Savitribai Phule Pune University. It hosts approved Ph.D. supervisors and supports high-quality research in areas like In-Memory Computing, VLSI Architectures, AI-based Signal Processing, and Wireless Communication. Many faculty members have completed or are pursuing their Ph.D., actively contributing to scholarly publications and funded research projects.

Through its robust academic structure, experienced faculty, and strong industry-academia interface, the E&TC department at PCCoE continues to nurture skilled, innovative, and socially responsible engineers.

**Intake and Status of NBA Accreditation of E & Tc Department**

		<b>Starting Year</b>	<b>Intake</b>	<b>NBA-I</b>	<b>NBA-II</b>	<b>NBA III</b>
<b>1</b>	UG- I shift	2001	120	UG B.E. NBA accredited from Academic Year (A. Y.) 2013-15, 2016-19 ,2019-22 and 2022 to 25 (Up to 30th June 2025)		
<b>2</b>	UG- II shift	2010	60			

## ACADEMICS

The E&TC Department of PCCoE is known for its strong academic foundation, outcome-based teaching, and well-equipped laboratories that support hands-on learning. The department emphasizes specialization in VLSI, Embedded Systems, Signal Processing, and Communication Technologies. Faculty members are highly qualified, with many holding Ph.D. degrees and actively involved in research, FDPs, and publications. The curriculum is regularly updated in line with industry trends, and students are encouraged to participate in projects, internships, and innovation-driven activities. Because of this, we consistently achieve academic laurels as follows:

### Academic Laurels

#### Academic Result:

##### AY 2022-23 SEM I

Sr. No.	Class	% Result	No of Distinction
1	SY	66.21%	39.26%
2	TY	84.14%	57.26%
3	BE	90.41%	54.79%

##### AY 2022-23 SEM II

Sr. No.	Class	%Result	No of Distinction
1	SY	94.1%	
2	TY	97.36%	41.85%
3	BE	100%	91.78%

#### Batch Toppers:

Year	Name of the Student	% Result
SY B.Tech	Gaurav Dwivedi	9.5
	Bora Ayush Nilesh	9.3
	Shelar Aditi Dayanand	9.3
	Zambre Vishwajeet Dinkar	9.2

TY B.Tech	Lande Kajal Dhananjay	10
	Dudhal Shravani Rohidas	9.91
	Kudale Nilesh Sunil	9.27
	Kudale Nilesh Sunil	9.27
	Kulkarni Ninad Prashant	9.27
	Nalawade Prajwal Suryakant	9.27
Final Year B.Tech	Badam Akhilesh Ravikumar	9.68
	Bavare Chetan Dilip	9.64
	Baviskar Rashmi Anil	9.63

## RESEARCH AND DEVELOPMENT

### Events Organized

Sr. no.	Name of Faculty	Event Organized	Date	Duration	Resource Person	Beneficiary
1	Dr. D.S.Khurge	2 Day workshop on FPGA programing with Verilog with Correal Technologies	2nd and 3rd Feb 2023	2 day	Mr. Shran ,Coreel Technologies	UG & PG student
2	Dr. D.S.Khurge, Mrs.S.P.Jagtap, Mr.S.S Ayane	Narrow Band IOT	04/21/2023	2 hrs	Mr.Sachin Bodas, Mr.PriyeshPandya	60
3	Mrs. Archana Bhamare	A webinar on Applications of Microcontroller in Industry in E&TC Dept., PCCOE, Pune	10/15/2022	2 hrs	Mr. Pawankumar Fakatkar	TY 29 students
4	Mrs. Archana Bhamare, Mrs.KalpanaPatil	A Guest Lecture on "Personal Safety"	25/03/2023	2 Hrs	Dr. J. K. Shrikhande	All SY E&TC Students
5	Mrs. Archana Bhamare, Mrs.Kalpana Patil	"Film Making Workshop"	04/28/2023	4Hrs	Mr. Rushikesh Bhavthankar	SY Students
6	Mrs. Archana Bhamare, Mrs.Kalpana Patil	A Guest Lecture on "Transaction Analysis"	26/05/2023	1 hr	Dr. Rajeev Nagarkar	SY Students
7	Mr. A B Patil, Mrs S A Patil and Mrs. Archana Bhamare	Robo Development Workshop	12/05/2023 & 27/05/2023	8 hrs	Biswarup Chaki, Shivraj Rajgure and Gunjan Lunkad (BE	SY Students

					Students)	
8	Mrs. Archana Bhamare and Mrs. S A Patil	Guest Lecture on "Advanced Microcontrollers"	05/20/2023	2 hrs	Dr. Sushma Patil	SY Students
9	Mrs. Archana Bhamare and Mrs. S A Patil	Guest Lecture on "Robots in Industry"	05/20/2023	2 hrs	Pranav Lad, iTech Robotics & Automation Pvt. Ltd.	SY Students
10	Mrs. Archana Bhamare	Guest lecture on "Introduction to Proteus Simulation" under Microcontrollers Lab Experiential Learning	04/26/2023	2 hrs	Mr. M. M. Narkhede	SY Students
11	Dr. N. B. Chopade, Dr. Varsha Bendre, Dr. R. V, Patil, Mrs. S. A. Patil	DSP in MATLAB	1/3/2023 & 3/3/2023	4 hrs	Mr. Kunal Khandelwal at Design Tech Systems Pvt. Ltd., Application Engineer-MathWorks	100
12	Mr.A.R.Suryawanshi	Industrial tour	2 nd Jan to 10 th Jan 2023	8 days	3	54
13	Mr.U.R Shirode	Awareness Session on IPR, Design Filing Process	1/9/2022 to 16/9/2022	2 weeks	Mr. Pankaj Borkar	200

## FDP/Workshops/Technical events Attended

Sr. No.	Name of Faculty	National/ International/State/ Dept Level	FDP/STTP/ Training /Webinar/ Workshop Guest Lecture/Seminar Attended	Name of workshop/FDP/ seminar/ conferences/ STTP/Training/Guest Lecture Attended	Duration	Date	Venue
1	Dr. N. B. Chopade	University Level	FDP	Participated in ALAP-Academic Leadership Alignment Program on NEP Implementation Pathway Services(NIPS), Two days Anandshala (Blissinar)	2 days	3-4 Feb 2023	Organized by Bharatiya Shikshan Mandal (RFRF) at COEP Technological University, Pune, on 3-4February 2023.
2	Dr. S. U. Bhandari	University Level	FDP	Participated in ALAP-Academic Leadership Alignment Program on NEP Implementation Pathway Services(NIPS), Two days Anandshala (Blissinar)	2 days	3-4 Feb 2023	Organized by Bharatiya Shikshan Mandal (RFRF) at COEP Technological University, Pune, on 3-4February 2023.
3	Dr. S. U. Bhandari	National Level	FDP	attended one week "Faculty Development Program" on "Recent Trends in Machine Learning" under the aegis of IETE Student Forum	5 days	13/03/2023 to 17/03/2023	Organized by Department of E&TC, AISSMS College of Engineering, Pune in online mode

				and Professional Activity Centre of IETE, New Delhi organized by Department of E&TC, AISSMS College of Engineering, Pune			
4	Dr. S. U. Bhandari	National Level	FDP	Attended 5 days FDP on "Teaching and Learning Advancements in science & Engineering"	5 days	24th - 28th April 2023	Regional College for Education Research & Technology, Jaipur
5	Dr. M. T. Kolte	International Level	Workshop	One week workshop on Recent Trends in Optimization Techniques for challenging engineering applications	7 days	21st - 27th October 2022	School of Electronics Engineering at VIT-AP University, Amaravati
6	Dr. Varsha K. Harpale	National Level	FDP	Journey Towards Excellence...through NEP & NAAC Accreditation	7 days	12/9/2022-17/9/2022	Ashoka Center For Business And Computer Studies(Acbs), Nashik
7	Dr. Varsha K. Harpale	National Level	FDP	One week FDP on Recent Trends in Machine Learning	5 days	13th March 2023 to 17th March 2023.	SKNCOE
8	Dr. Varsha K. Harpale	National Level	Webinar	Migration from Xilinx Spartan-6 FPGA	1 day	24/02/2023	Xilinx
9	Dr. Varsha K. Harpale	National Level	Webinar	AI with Model-Based Design: Virtual Sensor Modeling	1 day	20/9/2023	Mathworks
10	Dr. Deepti K. Hurge	National Level	FDP	Fin-Fet, nano Sheet cell design, Now and road Ahead	3 days	14 to 16 sep 2022	Online by Ni2 Designs Pune
11	Dr. Deepti K. Hurge	National Level	FDP	Quantum Computing	7 days	12 Dec 2022 to 17 dec 2022	KJSIET, Mumbai
12	Dr. Varsha B. Bendre	National Level	FDP	"Recent Trends in Machine Learning"	5 days	13/03/2023 to 17/03/2023	AISSMS College of Engineering, Pune
13	Dr. Rajani P. K.	National Level	FDP	"Data Science using Machine Learning"	5 days	2nd to 6th January 2023	Pravara Rural Engineering College in Collaboration with ExcelR
14	Dr. Rajani P. K.	International level	ProGrant Training	ProGRANT Proposal Writing for Research Grants: Practical-Oriented Trainings for New Researchers India 2023	19 days	April 24th until the 12th of May.	DIES (Dialogue on Innovative Higher Education Strategies) program which is jointly coordinated by the German Academic Exchange Service (DAAD) and German Rectors' Conference (HRK)
15	Mrs. A. B. Patil	National Level	FDP	"Recent Trends in Machine Learning"	5 days	13/03/2023 to 17/03/2023	AISSMS College of Engineering, Pune
16	V. A. Kulkarni	University Level	FOW	Faculty Orientation Workshop on Subject: Fiber Optic Communication (FOC)	3 days	30/01/2023 to 1/02/2023.	PVG's COET & GKPIOM

				BE(E&TC) revised syllabus (2019Course)			
17	Mrs. Seema U. Deoghare	National Level	STTP	“Data Science”	5 days	11th July to 15th July 2022	K J College of Engineering and Management Research, Pune
18	Mrs. Seema U. Deoghare	National Level	FDP	“Blockchain Technology and Its Use Cases	6 days	20th to 25th March, 2023	Marathwada Mitra Mandal's College of Engineering
19	Mrs. Seema U. Deoghare	National Level	FDP	One week Online FDP on Recent Trends in Machine Learning	5 days	13th to 17th March 2023	AISSMS College of Engineering, Pune
20	Mrs. Seema U. Deoghare	National Level	FDP	Data Science and Chat GPT	5 days	15th to 19th May 2023	K L Deemed to be University in Collaboration with ExcelR.
21	Suvarna P. Kadam	National	FDP	"Recent Innovations and challenges in antenna"	11 Days	10 Oct to 15 Oct and 17 Oct to 21 oct 23	Defence Institute of Advanced Technology
22	Dr. Jyoti S. Kulkarni	National Level	FDP	Recent Trends in Machine Learning	5 days	13/03/2023 to 17/03/2023	AISSMS College of Engineering, Pune
23	Sharada Dhavale	University Level	FOW	Revised Syllabus 2019 Subject: Mobile Computing	3 days	30th Jan to 1st Feb 2023	SIT Narhe, Pune - 41.
24	Mrs.AartiS. Pawar	State Level	FDP	EV Faculty Training	10 Weeks	18th Feb to 30th June 2023	MCCIA, Pune
25	MrunaliniB handarkar	National Level	ATAL FDP	Machine Learning Applications to Optimization Based Control	14 days	12/12/2022 to 23/12/2022	COEP Technological University, Pune in hybrid (Online-Offline) mode
26	MrunaliniB handarkar	International Level	FDP	Data Science using Machine Learning	5 days	02/01/2023 to 06/01/2023	Pravara Rural Engineering College in Collaboration with ExcelR in Online mode.
27	MrunaliniB handarkar	National Level	FDP	“Blockchain Technology and Its Use Cases”	6 days	20/03/23-25/03/23	MarathwadaMitra Mandal's College of Engineering, Karve Nagar, Pune
28	MrunaliniB handarkar	National Level	FDP	Data Analytics using Power BI	5 days	20/03/23-24/03/23	G Narayanamma Institute of Technology and Science (for women) in Collaboration with ExcelR.
29	MrunaliniB handarkar	National Level	FDP	"Recent Trends in Machine Learning”	5 days	13/03/23-17/03/23	AISSMS College of Engineering, Pune
30	Anjali Shrivastav	College Level	Industrial Training	MBD Training Program	9 days	22nd Aug 2022 to 30th Aug 2022	Capgemini, Pune
31	Anjali Shrivastav	University Level	FOW	Revised Syllabus 2019 of Digital Marketing	3 Days	30th Jan to 1st Feb 2023	Zeal College of Engineering
32	Anjali	University	FOW	Revised Syllabus 2019 of	3 days	14-16th	SCOE, Pune 41

	Shrivastav	Level		VLSI Design & Technology		July 2022	
33	Swati Jagtap	College Level	Industrial Training	MBD Training Program	9 days	22nd Aug 2022 to 30th Aug 2022	Capgemini, Pune
34	Swati Jagtap	State Level	FDP	Revised Syllabus 2019 of Deep Learning	3 Days	14/07/2022 to 16/07/2022	D.Y. Patil College of Engineering, Akurdi
35	Pramod Sonawane	College Level	Industrial Training	MBD Training Program	9 days	22nd Aug 2022 to 30th Aug 2022	Capgemini, Pune
36	Ashwini S. Shinde	National	FDP	High-End Workshop "Application of Machine Learning for Audio Signal Processing"	7 days	5 th to 11 th September 2022.	ABV_IITM, Gwalior
37	S D Nagrale	National Level	FDP	"Recent Trends in Machine Learning"	5 days	13/03/2023 to 17/03/2023	AISSMS College of Engineering,
38	Kapil Kotangale	National Level	FDP	"Deep Learning".	Two Weeks	09/01/2023 to 20/01/2023	Army Institute of Technology
39	Ganesh Rahate	State Level	Workshop	BE (E&TC/Electronics) Revised Syllabus 2019	3 Days	14/07/2022 to 16/07/2022	Amrutvahini College of Engineering, Sangamner
40	Sonali Sawant	State Level	Workshop	BE (E&TC/Electronics) Revised Syllabus 2019 of Cloud Computing	3 days	14/07/2022 to 16/07/2022	SKNCOE, Pune
41	Sonali Sawant	University Level	FOW	BE(E&TC) revised syllabus (2019Course)	3 days	30/01/2023 to 1/02/2023.	PVG's COET & GKPIOM
42	Sonali Sawant	International Level	Seminar	Machine Learning Models for Performance Predictions & Behaviour Evolutions in Complex Airborne Systems	1 day	08/04/2023	IEEE-IISc VLSI Chapter
43	Sonali Y Sawant	National Level	NPTEL(FDP)	Advanced Neural Science for Engineers	12 Weeks	Jan-April 23	Online (Elite+Silver)
44	Sonali Sawant	National Level	Workshop	"High End Workshop on Stochastic Modeling Techniques"	5 days	20-24 Feb 2023	IIT Dhanbad
45	M M Narkhede	University Level	FOW	BE (E&TC/Electronics) Revised Syllabus 2019 of Embedded System Design	3 Days	30th Jan to 1st Feb 2023	Sandip Institute of Technology and Research Centre, Nashik
46	M M Narkhede	University Level	FOW	BE (E&TC/Electronics) Revised Syllabus 2019 of Innovation & Entrepreneurship	2 days	30th Jan to 31st Jan 2023	DYPIT, Pimpri, Pune
47	M M Narkhede	College Level	Industrial Training	KPIT Nova Faculty Engagement Program	1 month	July to August 2022	KPIT Technologies Ltd.
48	Swati Patil	National Level	FDP	" Design of High frequency Antennas for Real Time Applications"	5 days	14-18 March 2023	V R Siddhartha Engineering College and GMR institute of Tech.
49	Mr. Ujwal Shirode	National Level	Workshop (Karyashala)	High-End Workshop "Emerging Nanomaterial - Based Devices for Future VLSI Applications"	7 Days	16 Dec 2022 to 22 Dec 2022	IIT Dhanbad, Zharkhand

50	Mr.UjwalS hirode	University Level	FOP	Faculty Oriented Workshop on BE (E&TC/ Electronics) Revised Syllabus 2019 of Android Development	3 days	30th Jan to 1st Feb 2023	BVCOE for Women, Pune - 43
51	Prakash Sontakke	State Level	Workshop	Cloud Computing Lab sessions	1 Week	26th Sep to 04th Oct 2022	Pune Institute of Computer Technology, Pune (online)
52	Prakash Sontakke	University Level	FDP	Amazon Web Services	5 days	22/08/2022 to 27/08/2022	Dhole Patil College of Engineering, Pune
53	S S Ayane	National Level	FDP	“Recent Trends in Machine Learning”	5 days	13/03/2023 to 17/03/2023	AISSMS College of Engineering, Pune in online mode
54	Mr. Ajjay Gaadhe	National Level	Workshop (Karyashala)	High-End Workshop “Emerging Nanomaterial - Based Devices for Future VLSI Applications”	7 Days	16 Dec 2022 to 22 Dec 2022	IIT Dhanbad, Zharkhand
55	Mrs. S A Patil	National Level	FDP	“Recent Trends in Machine Learning”	5 days	13/03/2023 to 17/03/2023	AISSMS College of Engineering, Pune in online mode
56	Archana Bhamare	State Level	Workshop	BE (E&TC/Electronics) Revised Syllabus 2019 of Electronic Product Design	3 days	14/07/2022 to 16/07/2022	Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati.
57	Archana Bhamare	Dept Level	Training Session	IP Awareness/Training program under National Intellectual Property Awareness Mission	1 day	14/09/2022	Online and Offline mode by PCCOE, Pune
58	Archana Bhamare	National Level	ATAL FDP	Machine Learning Applications to Optimization Based Control	14 days	12/12/2022 to 23/12/2022	COEP Technological University, Pune in hybrid (Online- Offline) mode
59	Archana Bhamare	Internation al Level	FDP	Data Science using Machine Learning	5 days	02/01/2023 to 06/01/2023	Pravara Rural Engineering College in Collaboration with ExcelR in Online mode.
60	Archana Bhamare	National Level	FDP	“Recent Trends in Machine Learning”	5 days	13/03/2023 to 17/03/2023	AISSMS College of Engineering, Pune in online mode
61	Archana Bhamare	National Level	FDP	“Blockchain Technology and Its Use Cases”	1 week	20/03/2023 to 25/03/2023	Marathwada Mitra Mandal's College of Engineering, Karve Nagar, Pune
62	Sonal Shirke	National Level	ATAL FDP	Machine Learning Applications to Optimization Based Control	14 days	12/12/2022 to 23/12/2022	COEP Technological University, Pune in hybrid (Online- Offline) mode
63	Sonal Shirke	Internation al Level	FDP	on Data Science using Machine Learning	5 days	02/01/2023 to 06/01/2023	Pravara Rural Engineering College
64	Isha Vyas	National	ATAL FDP	Machine Learning	14 days	12/12/2022	COEP

		Level		Applications to Optimization Based Control		to 23/12/2022	Technological University, Pune in hybrid (Online-Offline) mode
65	Isha Vyas	International Level	FDP	Data Science using Machine Learning	5 days	02/01/2023 to 06/01/2023	Pravara Rural Engineering College
66	Vaishali Patil	Dept Level	STTP	Cloud computing using Amazon web server(AWS) and Google Cloud Platform(GCP)	6 days	19/9/2022 to 23/9/2022	K J College of Engineering and management Research
67	Vaishali Patil	State Level	Workshop	"Embedded system and RTOS".	3 days	14/07/2022 to 16/07/2022	SIT, Lonavala
68	Vaishali Patil	National Level	FDP	Artificial Intelligence, IOT and Data Analytics	6 days	3rd Oct 2022 to 8th Oct 2022	PCCOER, Pune
69	Vaishali Patil	University Level	FOW	Revised Syllabus 2019 of Innovation & Entrepreneurship	2 days	30 <sup>th</sup> to 31/01/2023	DYPIT, Pimpri, Pune
70	Vaishali Patil	International Level	Workshop	Energy and Environment in the Circularity Aspect	1 day	31st Jan 2023	PimpriChinchwad College of Engineering, Pune, India
71	Supriya Vaishnav	National Level	FDP	Research Methodology: The Practical Approach	5 days	24 to 28th April 2023	Sinhgad Academy of Engineering, Kondhwa
72	Supriya Vaishnav	National Level	FDP	Recent Trends in Machine Learning	5 days	13th to 17th March 2023	AISSMS College of Engineering
73	Supriya Vaishnav	National Level	Webinar	Millimeter-Wave and Terahertz Solutions in SiGeBiCMOS Technologies	1 day	15-Feb-23	IEEE Bangalore
74	Supriya Vaishnav	National Level	workshop	NIPAM	1 day	14-Sep-22	IP office, India
75	Shweta S Devdas	College Level	Workshop	How to write a Technical Paper	1 day	26th april 2023	AISSMS
76	Shweta S Devdas	College Level	FDP	Research Methodology: The Practical Approach	5 days	24 to 28th April 2023	Sinhgad Academy of Engineering, Kondhwa
77	Manisha Pandey	National	FDP	Curriculum Development in the Light of NEP 2020	12 days	8 <sup>th</sup> to 12 <sup>th</sup> Aug2022	Online
78	Manisha Pandey	National	Training Session	IP Awareness/Training program under National Intellectual Property Awareness Mission	1 day	14th Sep 2022	Online
79	Dr Rashmi Patil	International Level	Workshop	EV Technology and Battery Modelling	6 days	28/02/2023 to 05/03/2023	Modern Education Society's College of Engineering, Pune
80	Prasad Maldhure	University Level	FOW	Revised Syllabus 2019 of Digital Business Management	2 days	31st Jan to 1st Feb 2023	AISSMS College of Engineering, Pune
81	Kalpana Patil	University Level	Workshop	How to write a Technical Paper	1 day	26/04/2023	AISSMS Institute of Information Technology
82	Kalpana Patil	University Level	FDP	Research Methodology: The Practical Approach	5 days	24 to 28th April 2023	Sinhgad Academy of Engineering, Kondhwa

## Research Proposals Submitted

Sr. No.	Project Title	Funding Agency	Scheme	Duration in Years	Total Cost	Last Date of submission	Final Project Number after Approval
1	Development of Reliability Analysis Model and Unmanned Aerial Vehicle (UAV)- CNN based Fault Detection and Diagnosis for Solar Photovoltaic System	SPPU	Rajiv Gandhi Science and Technology Commission	2 Years	5,00,000/-	30/11/2022	In Process
2	Development of Unmanned Aerial Vehicle (UAV) based Fault Detection and Diagnosis System for Solar Photovoltaic Panels	PCCOE	SIRO	1 Year	5,00,000/-	16/12/2022	Sanctioned for Amount Rs. 5,00,000/-; Approval Note No. PCCOE/R&D/2022-23/86
3	Development of a Comprehensive/Exhaustive Numerical and Image Dataset for Fault Detection and Diagnosis of Solar Photovoltaic Plant”	PCCOE	SIRO	1 Year	10,30,000/-	16/12/2022	
4	ADS (Anxiety, Depression, Stress) Analysis Using Eeg And Machine Learning	SPPU	Rajiv Gandhi Science and Technology Commission	1 Year	4,60,000/-	30/11/2022	
5	Designing and Testing of Accident Impact Reducing Road Dividers	“Dassaut Systems Foundation”	LA foundations Dassault Systems	1 Year	4,00,000/-	1/10/5 2022	
6	Development of Reliability Analysis Model and Unmanned Aerial Vehicle (UAV) based Fault Detection and Diagnosis for Solar Photovoltaic System	“Dassaut Systems Foundation”	LA foundations Dassault Systems	1 Year	4,12,000/-	09/2022	In Process
7	Autonomous, Low cost, Portable and Fast COVID-19 and Pneumonic Detection Device Development	Department of BioTechnology (DBT)	Human Genetic Diseases	2 Years	26,50,508/-	15/2/2023	Rejected
8	Low-cost Microscopic Mobile based Device for Skin cancer Detection	Department of BioTechnology (DBT)	Cancer disease biology	3 Years	35,00,000/-	15/3/2022	
9	Development of Reliability Analysis Model and Fault Detection and Diagnosis System for Maintainability Optimization of Solar Photovoltaic Plant	PCCOE	SIRO	1 Year	5,37,150/-	26/11/2022	Sanctioned; Amount Rs. 5,00,000/- ;PCCOE /C/2022-23/782-2

10	Optimizing the Pesticide Application in Agriculture	DBATU	DBATU Vice Chancellor's Research Promotion Grant(DBATU-VC-RPG-2023)	2 Years	3,00,000/-	30/03/2023	No. Dean (R&D)/DBATU-VC-RPG-2023/01
11	Smart Microgrid Test Bed Setup	PCCOE	Jidnyasa Fellowship	1 Year	2,00,000/-	26/11/2023	pccoe/1/2022-23/644

## Patents Filed/Granted

Sr. No.	Name of the Applicant/s (Faculty + Students)	Patent Title	Application Number and Date of Filing	Status
1	PCCOE, Mrs Sangita Patil, Dr. Ajay.N. Paithane	A Human stress detection system (HSDS)	202321031926	Filed 5/4/2023 Published 15/09/2023 Granted
2	PCCOE, SwarajPashankar, Nikhil Patil, Mahesh Raut, Mr. Swapnil Shivram Ayane	LPG Stove with leakage detection & Smart Pannel	202321031927	Filed 5/4/2023 Published 15/09/2023
3	PCCOE, Dr. Rajani.P.K, Guruprasad Deshpande, Vishal Khandagle, Jayesh Kolhe	CropIt: AI-based Decision Support System using Edge Computing	202321031934	Filed 5/4/2023 Published 15/09/2023 Granted 31/5/2024
4	PCCOE, Mahesh T Kolte, Tanaya Shashank Saptashwa, PriyankaYeole , Priyanka Mangrulkar	Pulse Diagnosis System for Chronic Diseases	202321031953	Filed 5/4/2023 Published 15/09/2023 Granted
5	PCCOE, Dr.Sheetal Bhandari Dr.Varsha Harpale Mrs.Triveni Dhamale	Parallel Architecture using Deep Convolution Neural Network (PDCNN)for ASD detection	202321031939	Filed 5/4/2023 Published 15/09/2023
6	PCCOE, Dr.Rajani.P. K, Pushkar Mahajan, Vaishnavi Mali, Darshan Khope	Sign Language Talk: using Machine Learning	202321032044	Filed 5/4/2023 Published 15/09/2023
7	Dr.V.K.Harpale Mrs.Varsharni Gaikhe Akash Surendra Barhatte Jaiee Bhange, Aniket Didare, Bhumika Sethi	Variable Stiffness Torsional Bar Mechanism for Traction Optimization and Distribution in Four-Wheeler	202321023980	Filed 30-03-2023 Published 15/09/2023

## Faculty Journal Publications:

Sr. No.	Type	Title	Author	Details	Publication Date	DOI
1	Q3	VHDL based Design of an Efficient Hearing Aid Filter using an Intelligent Variable-Bandwidth-Filter	Rawandale, U.S., Ganorkar, S.R., Kolte, M.T.	<a href="#">International Journal of Advanced Computer Science and Applicationsthis link is disabled. 2023, 14(1), pp. 196–200</a>	Dec-22	<a href="https://doi.org/10.14569/IJACSA.2023.0140122">10.14569/IJACSA.2023.0140122</a>
2	SCIE Q1	Reliability and Criticality Analysis of a Large-Scale Solar Photovoltaic System Using Fault Tree Analysis Approach	Sonawane, P.R., Bhandari, S., Patil, R.B., Al-Dahidi, S.	Sustainability	23-Mar	<a href="https://doi.org/10.3390/su15054609">https://doi.org/10.3390/su15054609</a>
3	Q4	IoT-based Weather Information Using WeMos	Bhandari Sheetal, Bendre Varsha	International Journal of Intelligent Systems and Applications in Engineering	23-Feb	<a href="https://ijisae.org/index.php/IJISAE/article/view/2534">https://ijisae.org/index.php/IJISAE/article/view/2534</a>
4	Q3	Blockchain-Based Optimization Model for Evaluating Psychological Mental Disease and Mental Fitness	Sheetal Bhandari	Journal Computational Intelligence and Neuroscience	July_20_22	<a href="https://doi.org/10.1155/2022/8657313">https://doi.org/10.1155/2022/8657313</a>
5	Q4	Realistic Vertical Handoff Predictive Trigger Thresholding in Heterogeneous Networks	Ganesh Rahate, Dr. Nilkanth Chopade	IIETA,Ingénierie des Systèmes'Information, International Information and Engineering Technology Association (IIETA),	31_12_2022	<a href="https://doi.org/10.18280/isi.270405">https://doi.org/10.18280/isi.270405</a>
6	Q3	Pollutant Reduction Techniques Used for Nonroad Combustion Ignition Engines	Darshit P. Suratwala, Dr.Varsha Harpale, Dr. Deepti Khurge	<a href="#">Journal of The Institution of Engineers (India): Series C</a>	25_10_2022	<a href="https://doi.org/10.1007/s40032-022-00899-5">https://doi.org/10.1007/s40032-022-00899-5</a>
7	SCIE	Optimized Deep Neural Model-Based Intrusion Detection and Mitigation System for Vehicular Ad-Hoc Network	Prakash Vijay Sontakke, Nilkanth B. Chopade	International Journal Cybernetics and Systems	4-Nov-22	<a href="https://doi.org/10.1080/01969722.2022.2137643">https://doi.org/10.1080/01969722.2022.2137643</a>
8	Q4	A Hybrid Traceback based Network Forensic Technique to Identifying Origin of Cybercrime	Patil, R., Patil, Y.H., Kachhoria, R., Kumbhare, S., Bhandari, S.U.	<a href="#">Journal of Engineering Science and Technology Review</a>	OCT_2_022	<a href="http://jestr.org/downloads/Volume15Issue6/fulltext41562022.pdf">http://jestr.org/downloads/Volume15Issue6/fulltext41562022.pdf</a>
9	SCIE	Design and Performance Improvement of Low Power SRAM Cell using Deep Submicron Technology,	Mr. Ujwal Ramesh Shirode, Dr. R.D. Kanphade, Analog Integrated Circuits & Signal Processing	International journal of Analog Integrated Circuits & Signal Processing	12_11_2_022	<a href="https://doi.org/10.1007/s10470-022-02103-1">https://doi.org/10.1007/s10470-022-02103-1</a>

## Faculty Conference Publications:

Sr. No.	Title of the Paper	Name of the Authors	Name of Conference	Date
1	RTL Verification and FPGA Implementation of Generalized Neural Networks: A High-Level Synthesis Approach	Satyashil Nagarale, Dr.B.P.Patil	Data Engineering and Communications Technologies	7/16/2022
2	Controlling Mouse Movement Using Hand Gestures and Voice Commands	Prachi Palsodkar; Kaustubh Srivastava; Mahi Fulzele; Deepti Khurje	<a href="#">4th International Conference for Emerging Technology (INCET)</a>	26-28 May 2023
3	An Overview of Techniques used for Determination of State-of-Charge of Batteries	A. S. Pawar, N. B. Chopade, M. T. Kolte, V. S. Bendre, V. K. Harpale and H. Mehta	2022 6th International Conference On Computing, Communication, Control And Automation (ICCUBEA, Pune, India, 2022	August 2022
4	Smart Floor Mopping Bot	Abhishek Deshmukh, Abhishek Dhadiwal, Jyoti Kulkarni	ICCUBEA 2022	26-27 August 2022
5	Recent Trends in Automatic Autism Spectrum Disorder Detection Using Brain MRI	Dhamale, T.D., Bhandari, S.U.	Third International Conference on Sustainable Expert Systems	Feb_2023
6	IoT-Based Low-Cost Soil Moisture Soil Temperature Monitoring System	Guruprasad Deshpande, Vishal Khandagle, Rajani P.K.,et.a	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
7	Machine Learning Algorithm based Ration Dispensing System using Raspberry Pi	Yashraj Jadhav, Nandish Nelgi, Ajinkya Mahajan, Rajani P.K	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
8	Event Trigger Based Realistic Performance of MIH for Heterogeneous Wireless Networks	Ganesh Rahate,Dr. Nilkanth Chopade	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
9	Intelligent System for Brain Disease Diagnosis Using Rotation Invariant Features and Fuzzy Neural Network	Preeti Deshmane; D. M. Yadav; Varsha Bendre	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
10	Analysis of bio inspired Optimization Algorithms: ABC, FA and ABO based on the Travelling Salesman's	S. Nemade and V. Bendre	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
11	FPGA Implementation of ANN Using Customized Instruction Set for 1-D Signal Processing	A. Bagal and V. Harpale	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
12	An Investigation of Face Recognition System for Criminal Identification in Surveillance Video	S. Jagtap, N. B. Chopade and S. Tungar ion (ICCUBEA, Pune, India, 2022, pp. 1-5, doi:	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
13	Rice Leaf Disease Detection Using Convolutional Neural Network,	Rajani P. K., Rajkumar Bhimgonda Patil, Sheetal U. Bhandari, Roshani Raut	9th International Conference and 25th (Silver Jubilee) Annual Conference of Gwalior Academy of Mathematical Sciences (ICGAMS-2K22),	30/09/2022

14	An Efficient Reconfigurable FRM Filterbank for Digital Hearing Aid	Anjali Shrivastav, Mahesh Kolte, Sheetal Bhandari, Varsha Harpale	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
15	Speech Emotion Recognition Using CNN and LSTM	Dhavale, Mansi, and Sheetal Bhandari	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
16	5G Dual band Microstrip patch antenna	Mrs. Swati Patil, Dr. V.N.Patil	5th International Conference on Contemporary Computing and Informatics (IC3I)	Dec_2022
17	Stability and Power analysis of Schmitt trigger based Low Power SRAM Bit-Cell using CMOS and CNTFET technology at 22nm technology node	Mr.Ujwal R. Shirode, Mr.Ajjay S. Gaadhe, Dr.R.D.Kanphade	11th International Conference on Nanostructures, Nanomaterials and Nanoengineering (ICNNN 2022) in Tokyo, Japan	May_2023
18	Design of Low Cost Wearable Microstrip Patch Antenna for Breast Cancer Detection	Ankush Rajput Shounak Powar Pratik Puneekar, Prof. Ganesh Rahate, Prakash Sontakke; Swapnil Ayane	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
19	Design and Implementation of Wearable Antenna for Medical Application	Sammit Raut, Prathamesh Bodkhe, SauravKulkarni, Ganesh Rahate	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
20	Implementation Of Faster Rcn Algorithm For Smart Robotic Arm Based On Computer Vision	Sonali Sawant, S L Tade, A tyagi, Neha Sawant	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
21	"Drowsiness Detection and Alert Systems	· Anuradha Kadam, Kaustubh Gaikwad, Joel Jose, Gayatri Khairnar, Mrs.S.U.Deoghare,	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
22	Electronic Differential Using The Concept Of Torque Vectoring	Harshal V. Nikhade, AdityaR.Kalyankar, Mrs.S.U.Deoghare	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22
23	Implementation of PID Based Automatic Temperature Control System using STM32	Mrs Sharda Dhavale, Ms Shrinadanesh, Aayush Agarwal, Paras Mahajan	6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	Aug-22

## Faculty Participation in Online Certification Course

Sr. No.	Name of Faculty	NPTEL/ Matworks/ Coursera/Udemy/Other	Dates	Duration/ Hours	Course Name
1	Pramod Sonawane	NPTEL	18/06/22-19/10/2022	12 Weeks	Statistical learning for Reliability Analysis
2	Kapil Kotangale	NPTEL	July to Aug 2022	4 weeks	Python for Data Science
3	Sonali Y Sawant	NPTEL(FDP)	Jan-April 23	12 Weeks	Advanced Neural Science for Engineers
4	Vaishali Patil	Udemy	11-Mar-23	2 hours	Basics of Embedded C Programming for Beginners
5	Vaishali Patil	Udemy	21-Feb-23	1 hour	Basics of Automotive Electronics
6	Ms.Vaishnavi Vinayak Pujari	Coursera	7/6/2022	3 weeks	Essential Google Cloud Infrastructure: Core Services
7	Ms.Vaishnavi Vinayak Pujari	Coursera	7/6/2022	3 weeks	Elastic Google Cloud Infrastructure: Scaling and Automation

8	Ms.Vaishnavi Vinayak Pujari	Coursera	6 / 6 / 2022	3 weeks	Reliable Google Cloud Infrastructure: Design and Process
9	Ms.Vaishnavi Vinayak Pujari	Coursera	7/6/2022	18 weeks	Architecting with Google Compute Engine
10	Manisha Pandey	Udemy	11th Aug 2022	21 hours	Microsoft Excel - Beginner to Advanced

## Placement Summary

### TRAINING AND PLACEMENT

	Name of Company	Package	Total No. of students placed in Company	Placement in core company	Final Placed
1	Accenture	6.5	1		1
2	Accenture	4.5	10		10
3	Atlas Copco	6.36	1		1
4	BNY Mellon	18.64	2		2
5	Brillio	6	1		1
6	Capgemini	4.25	33		33
7	Capgemini	5.75	4		4
8	Capgemini (Software)	4.25	2		2
9	Cognizant GenC	4	9		9
10	Consultadd	5	2		2
11	Dar Al Handasah	4	1		1
12	Dassault	7.5	3		3
13	EY GDS	4.83	1	1	1
14	EY India	6.37	3	3	3
15	Force Motors	3	1		1
16	Godrej & Boyce	6.2	1		1
17	HPE	5.25	6		6
18	IDIADA Automotive Technology	4	1		1
19	ITC Infotech	4.25	3		3
20	Jio	5	2	2	2
21	Jio	6	1	1	1
22	Jio Platforms	5	2		2
23	KPIT	4.5	10	10	10
24	KPIT	7.5	1	1	1
25	KPIT	6	1	1	1
26	Lenze	6.18	1		1
27	LTI Spark	4	1		1
28	Newgen	4	2		2
29	NielsenIQ	8	2		2
30	Persistent	5.01	2		2
31	PWC	6	1	1	1

32	Qualys	6.5	5	5	5
33	Quantiphi	8.5	1	1	1
34	Raja Software Labs	7.5	2	2	2
35	RISE WPU	6.2	1		1
36	Seclore	12	1	1	1
37	Secure Things	7.5	2	2	2
38	Sedemac Mechatronics	3.5	3		3
39	Sincro	8	2		2
40	Spark Minda	4.5	5	5	5
41	Tata Elxsi	3.5	2		2
42	Tata Technologies	5.65	3		3
43	TCS(Ninja)	3.6	1		1
44	Tech Mahindra	3.25	2	2	2
45	Tork Motors	6	1	1	1
46	Unominda	4.81	2	2	2
47	UST	7	9		9
48	Velangi Connectivity	3	1	1	1
49	Visteon Corporation	7	1	1	1
50	Western union	7.25	4	4	4
51	Whirlpool	8.5	1	1	1
52	ZEUS Learning	6	1	1	1
53	Zeus Learning	5.75	2	2	2
				<b>Placement in core company = 51</b>	<b>Final Placed = 163</b>

## Internship Summary

**Total Students who got Internship opportunities: 275**

### Internship in the Industry with Stipend

Sr. No.	Student Name	Class	Division	Company	Stipend
	Kimaya Pawar	BE	A	Philips	45000
2.	Biswarup Chaki	BE	B	Synopsys	40000
3.	Sasmit Joshi	BE	A	Seagate Technology	30000
4.	Sejal Shail	BE	B	Hewlett Packard	30000
5.	Yash Vernekar	BE	C	Raja Software	25000
6.	Shreyas Chougule	BE	C	Dassault systems	25000
7.	Shreyas Puranik	BE	C	Western Union	21000
8.	Nalawade Prajwal Suryakant	TY	C	Addverb Technologies Ltd	20000

9.	Nikita Nikalje	BE	C	Jaisha Metals Pvt. Ltd	15000
10.	Vishwajit Raykar	BE	C	Cognizant	12000
11.	Pradnya Deore	TY	A	Aligned Automatiom Services Pvt. Ltd	10000

## Company wise Bifurcation of Internship

Sr.No.	Company	No of students
1	GeeksforGeeks	90
2	DIAT	12
3	PCCOE Motorsports club	9
4	UNOMINDA	4
5	Hewlett Packard Enterprise	4
6	Western Union	4
7	Cognizant Technology	3
	Total	126

## STUDENT DEVELOPMENT AND WELFARE

### Higher studies Cell

#### Activities Conducted

Sr. No.	Awareness activity-Topic	Resource person /Institute	Day & Date
1	An Awareness Programme on GATE EXAM	Mr. Paresh Gugale (GATE AIR-21) , PG NITIE, Mumbai, Imperial Institute of Excellence I2E	23/08/22
2	How to CRACK IAS in FIRST ATTEMPT	Byju's Exam Prep	22/09/22
3	Career guidance for higher education abroad. (USA, Canada, Australia, UK, New Zealand, Ireland & Dubai )	<i>aecglobal.in</i>	27th 28th Feb. 2023

#### Glimpses of the events

#### Career guidance for Higher Education Abroad



**GATE 2023 AIR 56 AIR 453 Shubam Das,Pratham Birajdar AY 2022-23.**



### Outcome of various efforts

#### Competitive Exam Result

Sr. No.	Name	Examination Appeared	Score/Percentile	RANK (AIR)
1	SHUBHAM DAS	GATE-23	751/ 56.33	56
2	Pratham Anil Birajdar	GATE-23	679/ 56.33	453
3	Vaishnavi Dube	GATE-23	19.33	NQ
4	Pratik Prakash Punekar	GATE-22	354/ 25.33	7185
5	Prathamesh Manoj Karandikar	GATE-22	654/49.33	506
6	Madhav Shantaram Pujari	GATE-22	400/29.0	4951
7	Disha Shekhar Kolte	CAT	38.56/82.48	--
8	Kedare Dikshant Rajesh	CAT	41.33/85.04	--
9	Shivraj Ganesh Rajgure	CEED-23	29.43	804
10	Jaiee Bhangе	IELTS	8.0	--
11	Sharma Menka	IELTS	7.5	--

Sr.no	Name	Score	AIR
1	Shubham Das	751/ 56.33	56
2	Pratham Anil Birajdar	679/ 56.33	453
3	Vaishnavi Dube	19.33	NQ

#### *List of GRE/TOEFL successful students*

Sr.no	Name	Examination	Score	Branch
1	Jaiee Bhangе	IELTS	8.0	ENTC
2	Sharma Menka	IELTS	7.5	ENTC

*List of CAT2022-23 successful students*

Sr.no	Name	Examination	Score	Branch
1	Disha Shekhar Kolte	CAT	38.56/82.48	ENTC
2	Kedare Ikshant Rajesh	CAT	41.33/85.04	ENTC

*List of CAT 2022-23 successful students*

Sr.no	Name	Examination	Score percentile	Branch
1	Shivraj Ganesh Rajgure	CEED-23	29.43	ENTC

**Students pursuing Higher Education from 2022-23 batch**

Sr.No.	Name of Students	Branch	PG Course	Institute/University	World Ranking
1	Naina Saxena	ENTC	MBA	NIT suratkal	
2	Rohit Prashant Patil	ENTC	M.Tech	Scholar@SAP	
3	KEDARE DIKSHANT RAJESH	ENTC	MBA	IIM, SHILONG	

**Professional Development Cell**

Add-on course	Conducti on agency	Duration/ Hrs	No. of students participant	Faculty In charge
Aptitude and softskill	FACE	60	694	S.V. Patil

### Objective of the Add On Course

1. To enhance students understanding of the corporate world and to equip them with the essential skills for future success.
2. To initiate industry-focused activities and to engage recruiters to collaborate on events.
3. To raise awareness on professionalism and ethics in the workplace and promote best practices among students.
4. To strengthen students global perspective and social consciousness, and shape responsible citizens who can contribute to and be leaders in the global community.

### National Service Scheme Cell

Sr. No.	Name of Activity	Date of Activity	No. of Students participated	No of People Benefited
01	Participation in “International Yoga Day”	21 <sup>st</sup> June 2022	100+	200+
02	Participation in SPPU Pune organized”Har Ghar Tiranga”	6 <sup>th</sup> August to 14 <sup>th</sup> August 2022	900+	152559 Guinness World Record
03	E waste collection drive	12th to 15th September	56+	12
04	12th BCS at MIT WPU	15th to 17th Sep	76+	18
05	Fort Cleaning :Shivneri	24 Sep	100+	10

**Few Glimpses:**



*NSS Volunteers Participation in SPPU 2<sup>nd</sup> Guinness World Record*



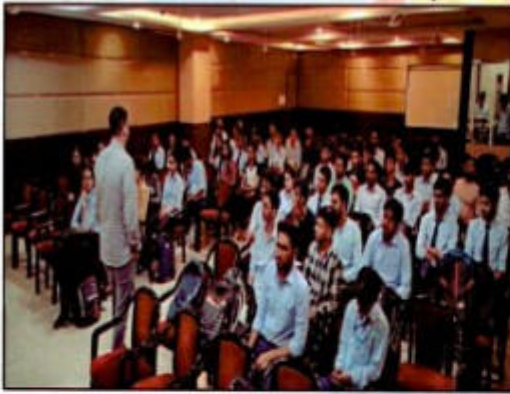
*Hindi Day Celebration*



*"Knowledge Brings Freedom"*  
**E -Waste Collection Drive**



**NSS Volunteers attended 12th BCS (Bhartiya Chhatra Sansad)**



*Kirloskar Vasundhara International Film Festival 2022 at PCCOE*

## Art circle Cell

Event Name	Date	Organized or coordinated By	No of Student Participants
Gurupornima Celebration	13/07/2022	Mrs. Archana Bhamare and Student Coordinators	04
Online Teachers Day 2021	08/09/2022	Mrs. Archana Bhamare and Student Coordinators	15
Introduction to Music Production	30/12/2022	Mrs. Archana Bhamare and Student Coordinators	07+150
Film Making	28/04/2023	Mrs. Archana Bhamare and Student Coordinators	All SY BTech students (200+)

## **EVENT DETAILS:**

**Name of the Event :** Teachers Day 2022

### **Brief information of event:**

Teacher's Day is celebrated all over the world in commemoration of Dr. Sarvepalli Radhakrishnan. This event was celebrated on September 8th, 2022, in the ENTC Department. It was jointly coordinated by ETSA,IETE and Art Circle Cell.

**Faculty Coordinator:** Mrs. Archana Bhamare



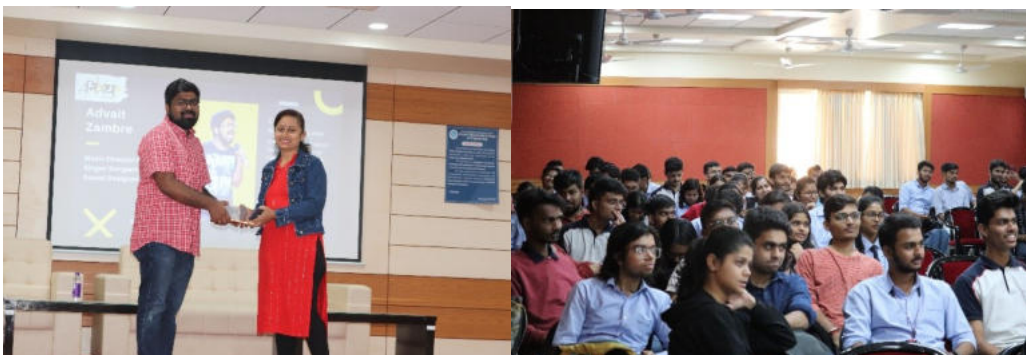


**Name of the event:** Workshop on Music Production

**Brief information of event:**

It was conducted on 30<sup>th</sup> December 2022 under Art Circle at ENTC Department. Total 150+ students registered for this offline event and responded in a very positive and amazing manner. Workshop began with a welcome speech and introduction of the speaker Mr. Advait Zambre, Alumnia of PCCOE as well as Co-Founder of Anibaddha Studios. He is a Music Producer-Director as well as a song writer and was recently signed by Zee Music Company.

**Faculty Coordinator:** Mrs. Archana Bhamare



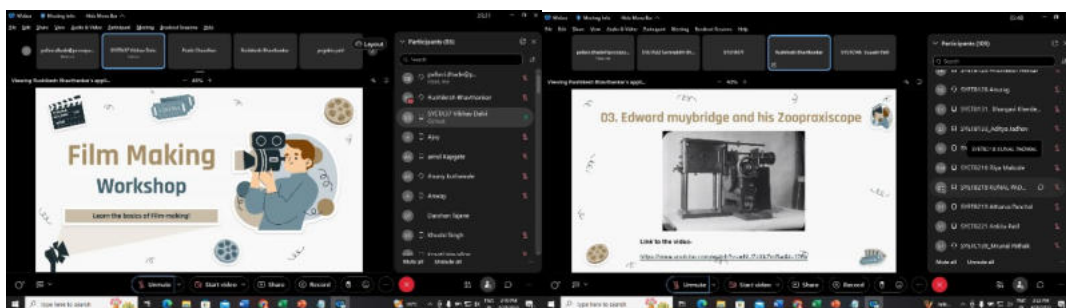
**Name of the event:** Film Making

**Brief information of event:**

A film making workshop was conducted in online mode using Webex Platform on Friday, 28<sup>th</sup> April 2023 for all SY BTech E&TC students (200+). The workshop aimed to provide participants with practical

knowledge and skills in various aspects of film making, including storytelling, scriptwriting, cinematography, editing, and directing. The workshop was led by Mr. Rushikesh Bhavthankar, an experienced filmmaker.

**Faculty Coordinator:** Mrs. Archana Bhamare



## Institute Social Responsibility (ISR) Cell

Sr. No.	Name of the Technical training / awareness program	Proposed duration (Day & date)	Name of the beneficiary from Society & number of beneficiary
1	Heartfulness Global Essay Event 2022 participation	Through the AY 2022-23	PCCOE Students and Society people.
2	Exhibition on 75 Years of India's Independence & the Role of the Tata Group	1 Day December 2022	PCCOE Students and Society people.
3	PCCOE Blood Donation Camp (collaboration with NSS)	1 Day November 2022	PCCOE Students Faculty, Staff member & Admin Staff
4	iVolunteer :-Creating Awareness of Mental Health	March 25 <sup>th</sup> /26 <sup>th</sup> 2023	PCCOE Students

## Entrepreneurship Development Cell

## **Field / Exposure Visit to Auto Cluster Development and Research Institute, Pune in association with MHRD Institution's Innovation Council**

- Day & Date: Wednesday, 24th May 2023
- Program Theme: Field/Exposure Visit
- Target Audience: UG Students, Faculty, etc.
- Attendance: 46
- Time Duration: 4 Hours (11 AM to 3 PM)
- Students Faculty Total Participants: 45 (SY BTech E&TC) 146
- Faculty Participants: Mr. P.R. Sonawane
- Coordinators: Mr. P.R. Sonawane, Mr. M. M. Narkhede



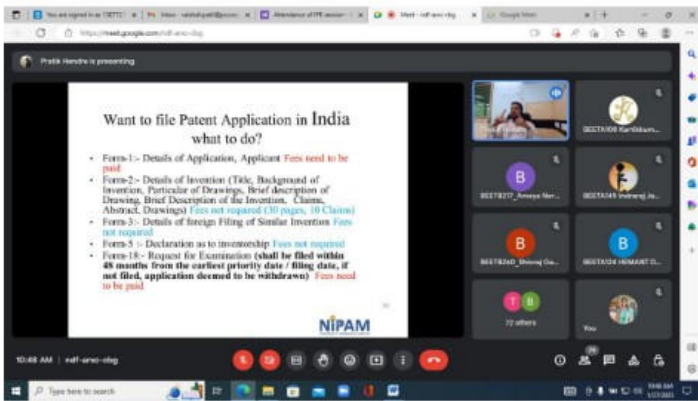
## **Workshop on "Building A Surveillance Robot"**

- Event Name: "How to Build Your Surveillance Robot?"
- Day & Date: Saturday, 27th May 2023
- Program Theme: Training Workshop
- Target Audience: UG Students, Faculty, etc.
- Attendance: 23
- Organized by: Mrs. S. A. Patil, Mr. A. B. Patil, Mrs. A. V. Bhamare (Faculty, E&TC Dept.)



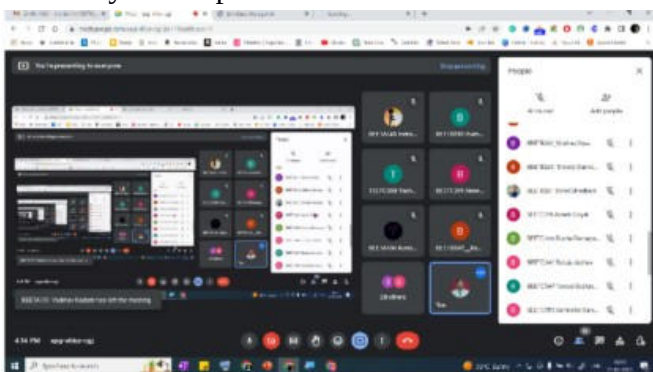
### **Intellectual Property Rights Awareness Program**

- ✓ Day & Date: 27th January 2023.
- ✓ Mode of session: Online
- ✓ Target Audience: UG Students, Faculty, etc.
- ✓ Attendance: 83
- ✓ Name of the Resource Person: Mr. Pratik Hendre, Examiner of Patents and Design, Indian Patent Office
- ✓ Faculty coordinator: Mrs. Sonal Shirke, Mrs. V. N. Patil



## Workshop on Design Thinking, Critical Thinking and Innovation Design

- ✓ Day & Date: Tuesday, 21st February 2023 and Wednesday, 22nd February 2023
- ✓ Attendance: 34
- ✓ Name of the Resource Person: Mr. M. M. Narkhede, Mr. U. R. Shirode
- ✓ Faculty Participants and coordinators: Ms. V. V. Pujari, Mrs. V. N. Patil



## Electronics and Telecommunication Student Association (ETSA) and IETE Student Forum

Sr. No.	Activity	Date	Type Social/ Technical	No. of Students Benefited	Name of Resource Person and organization
1.	IETE Membership Drive and ETSA Induction Program	20 <sup>th</sup> August 2022.	Technical	80	Dr. D.G. Bhalke Hon. Secretary, IETE Pune Centre
2.	Teacher's Day	08th Sept 2022	Social/ Non- Technical	45	NA
3.	Engineer's Day Event: Kahoot Quiz	14 <sup>th</sup> Sept 2022	Technical	28	NA
4.	Engineer's Day Event- Hackerrank	14 <sup>th</sup> Sept 2022	Technical	23	NA
5.	Engineer's Day Event- E-poster/poster presentation	15 <sup>th</sup> Sept 2022	Technical	45	NA
6.	Engineer's Day Event Valedictory and Guest Lecture on "Opportunities in Semiconductor Industry"	16 <sup>th</sup> Sept 2022	Technical	69	Mr. Sunil Kharate sir (Seagate pvt Ltd.)
7.	Posterator	1st& 2 <sup>nd</sup> March 2023	Non- Technical	35	NA
8	E-Crossword	2nd March 2023	Technical	86	NA
9	Abhiyantrix 23 Guest lecture on "Who will survive in the world of AI?"	10th April 2023	Technical	185	Mr. Vinayak Pachlag, CEO Vedbiz technologies
10	Abhiyantrix 23 Student Led Conference Paper Presentation	10 <sup>th</sup> , 11 <sup>th</sup> April 2023	Technical	165	All Session Chairs
11	Abhiyantrix 23 Session on "Industry Use Cases of Data Analytics"	11 <sup>th</sup> April 2023	Technical	118	Mr. Vishal Jain, Deputy General Manager, VOIS
12	Farewell 2023	26 <sup>th</sup> May 2023	Social	250	NA

1. **Name of the Event:** IETE Membership Drive and ETSA Induction Program

**Event Speaker:** Dr. D. G. Bhalke

**Date:** 20/08/2022

**Introduction:**

**IETE Membership Drive and ETSA Induction Program** was organized by Electronics and Telecommunication Student Association (ETSA) in association with IETE-PCCoE Student Forum on 20<sup>th</sup> August 2022. Students from second, third and fourth year participated in this program.

**Objectives:**

- 1) To make students aware about the perks of IETE membership.
- 2) To tell students about the opportunities in ETSA.
- 3) To plan, organize Technical Programs and to provide a common platform for students for exchange of ideas in technical topics of interest.
- 4) Encourage team spirit and self-reliance among student members.

**About the Event:**

- 1) The event was conducted in order to make students aware about perks and opportunities of ETSA and IETE membership.
- 2) Dr. D. G. Bhalke was the event speaker for the webinar.
- 3) Prof Ashwini Shinde expressed her gratitude for the presence of the speaker.
- 4) Then the speaker took charge of the session and started with his content for the session.
- 5) Then the speaker gave some information about the formation and benefits of ISFs (IETE Student's Forum).
- 6) Then the speaker explained about the role of professional societies in the personality development of the students.
- 7) The session was concluded with ETSA Oath and vote of thanks.

**Faculty Coordinators:** Mrs. Ashwini S. Shinde, Mrs. A.S Shrivastav, Dr. S. L. Tade

**Student Coordinators :** ETSA-IETE PCCOE Student Forum

**Glimpses of the Event:**

## OUR INSPIRATIONS



**Dr. Govind N. Kulkarni**  
Director



**Dr. N. B CHOPADE**  
Deputy Director



**Dr. M. T. Kolte**  
HOD E&TC



TYETB086 Etisha ...



Anjali Shrivastav



BEETA127 Gurupr...



Ashwini Shinde



TEETB210\_Pushk...



D403 Tushar Alan...



TYETC161 Ajinkya



41 others



You

3:43 PM | fwy-pgty-ucy

## OUR INSPIRATIONS



**Dr. S. L. Tade**  
EC Member Pune  
IETE Center



**Mrs. A. S. Shrivastav**  
IETE Faculty  
Coordinator



**Mrs. A. S. Shinde**  
ETSA Faculty  
Coordinator



TYETB086 Etisha ...



Anjali Shrivastav



BEETA127 Gurupr...



Ashwini Shinde



TEETB210\_Pushk...



D403 Tushar Alan...



TYETC161 Ajinkya



41 others



You

3:43 PM | fwy-pgty-ucy

New Tab x Meet - fwy-pgty-ucy x +

meet.google.com/fwy-pgty-ucy?pli=1

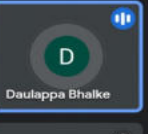
Gmail YouTube Maps (1) WhatsApp

Daulappa Bhalke is presenting

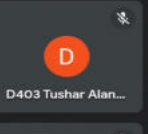
### Objectives of IETE & Activities

1. Improving standard of Engineering Education
2. Counseling the students in the emerging new opportunities
3. Encouraging and motivating the outside Class room studies /Work shops/projects/Seminars
4. Increasing the student base and Corporate membership of IETE

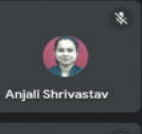
1. To plan, organize Technical Programs, Special Lectures, Workshops, Seminars, Symposia, exhibitions for the benefit of students.
2. To provide common platform for students to exchange of ideas in technical topics of interest, e.g., curriculum, employment, higher educational opportunities, emerging trends, etc.
3. To facilitate technical visits, project works, employment, contact with industries and academic institutions.
4. Encourage team spirit and self reliance among student members.
5. ISFs should be a catalyst for the overall growth in technical and non-technical skills in our members.




Daulappa Bhalke



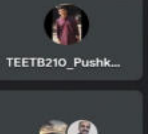
D403 Tushar Alan...



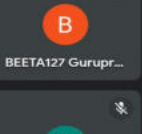
Anjali Shrivastav



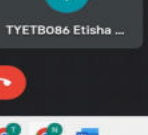
Ashwini Shinde



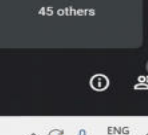
TEETB210\_Pushk...



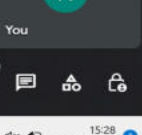
BEETA127 Gurupr...



TYETB086 Etisha ...



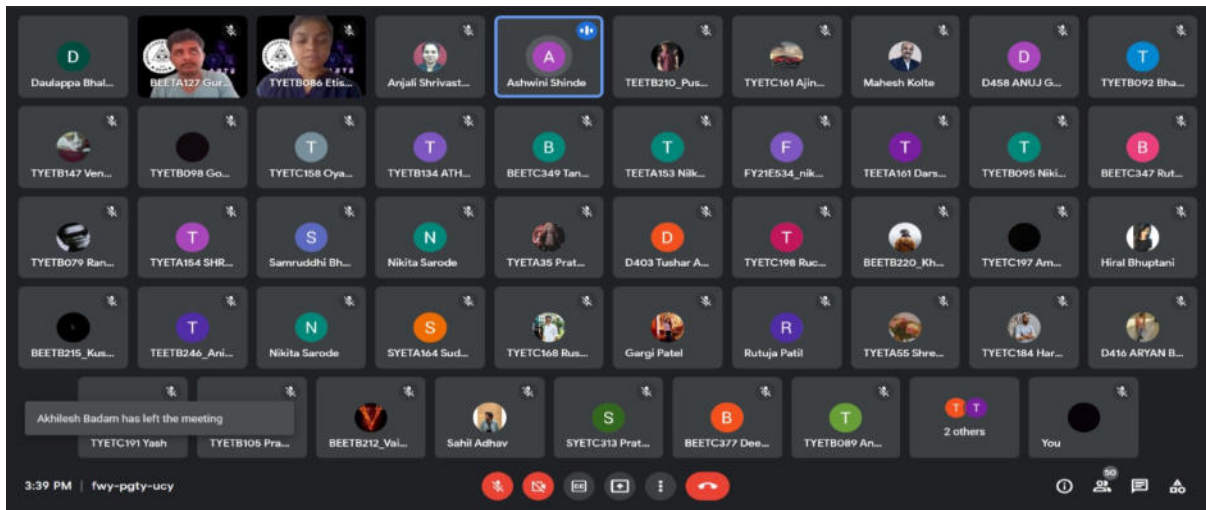
45 others



You

3:28 PM | fwy-pgty-ucy

Windows taskbar: Search, File Explorer, Edge, Word, PowerPoint, Teams, Zoom, OneDrive, Outlook, Settings, Network, ENG IN, 15:28 20-08-2022



**Name of the Event:** Teachers Day Celebration.

**Date and Venue:** 08<sup>th</sup> Sept, 2022 at Seminar Hall, Mech Building, Pccoe.

**About the Event:**

On 8<sup>th</sup> September 2022(Thursday), Teacher's Day Celebration was organised by Electronics and Telecommunication Student Association (ETSA) and IETE. The Deputy Director Dr. N. B. Chopade sir, Dr. Shital Bhandari mam and all teachers of ENTC Department were present for the Event. After that two games musical chair and Arrange Yourself were conducted by the student's coordinators. All the teachers enjoyed the games. Then the students from Art Circle gave their performance. At the end of the program, teachers expressed their thoughts and some of them gave their performance. Then the gifts hampers were given to the winners of the game and a token of gratitude was given to all the teachers. Dr. N. B. Chopade sir gave a vote of thanks on behalf of the teachers and appreciated the teachers for their immense contribution for years. At the ends snacks and beverages were distributed to all the teachers and the entire program ended on a happy note.

**Faculty Co-ordinators:** Mrs. Ashwini S. Shinde, Mrs. A.S Shrivastav, Mrs. Archana Bhamre. **Student Co-ordinators:** Nikita Nichit, Vaikhari Meshram.

**Glimpses of the Event:**



**Name of the Event:** Engineers Day Celebration.

**Date and Venue:** 16<sup>th</sup> Sep 2022 at LRDC Hall, Mech Building, Pccoe.

**About the Event:**

On the Birth Anniversary of India's most prominent engineer Dr. Mokshagundam Vishweshvaraya we celebrated Engineer's Day in the remembrance of their remarkable works in the engineering field. ENTDC Dept. celebrates this occasion every year with full enthusiasm.

This event was conducted by ETSA-IETE (Electronics and telecommunication Student Association). To celebrate this day, we conducted four different events on inter department level which were: online quiz (kahoot) competition, E-poster/ poster presentation competition, Hacker rank(online), Project Prototype/Idea etc. These competitions conducted on 14<sup>th</sup> and 15<sup>th</sup> September 2022.

On 16<sup>th</sup> September 2022 we organised the Prize distribution ceremony and a guest lecture. We were fortunate to have our chief guest as Mr. Sunil Kharate sir (Seagate pvt Ltd.), Dr. N. B. Chopade sir and Dr. M. T. Kolte sir (HOD ENTDC Dept). Dr. N. B. Chopade sir felicitated all the guests.

After that, prizes were distributed to the winners of respective competitions by guests. Then the chief guest delivered an excellent speech for the young engineers present in the seminar hall. He pointed out the importance of honesty, Confidence, effort, and leadership skills. He also gave a ppt presentation which was related to VLSI, Semiconductors manufacturing, Global data of manufacturing industries, Embedded systems etc. The information was very useful to all the students for their future growth in the electronics field. After that the program concluded with a happy note.

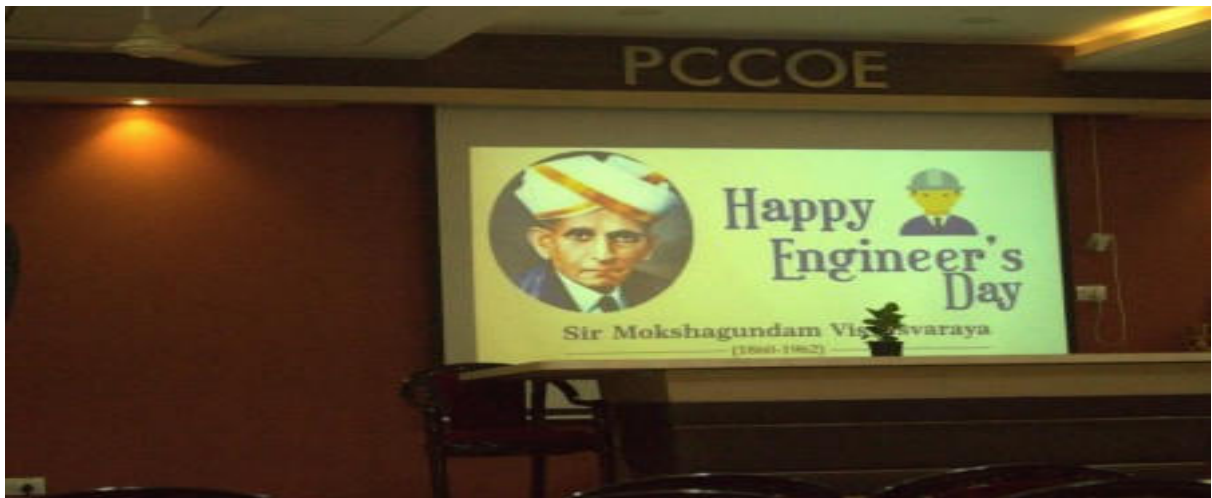
**Winners of all competition:**

Sr no.	Name of Competition	Name of winners	Department	Prize
1	Kahoot Quiz	Viraj Jadhav	CS	1000
2	Hackerrank	Sahil Dhane	IT	1000
3	E-poster/poster presentation	Siddharth Bhalgat Pranav Chaidhari	ENTC	1000
4	Project prototype	Sudarshan Giram Yash Kadam	ENTC	1000

**Faculty Co-ordinators:** Mrs. Ashwini S. Shinde, Mrs. A.A Shrivastav.

**Student Co-ordinators:** Randhir Bhosale, Atharv Tundalwar, Sudharshan Giram, Aditi Vaidya.

**Glimpses of the Event:**





**Name of the Event:** Posterator

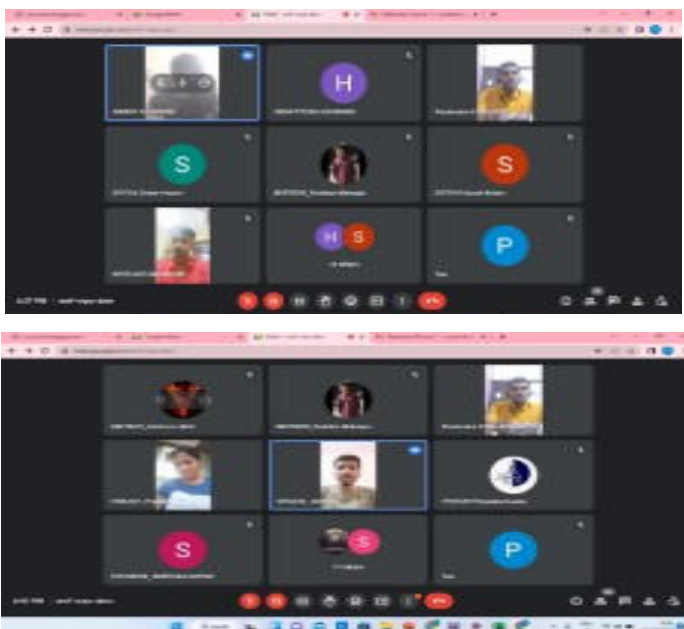
**Date and Venue:** 1<sup>st</sup>& 2<sup>nd</sup>March 2023 at Academic Building ENTIC Department, PCCOE.

**About the Event:**

The posterator event was conducted to bring a combination of creativity and intelligence among the students across all the departments and branches.

The event was conducted by ETSA-IETE (Electronics and Telecommunication Students Association and Institution of Electronics and Telecommunication Engineers) on 1<sup>st</sup> and 2<sup>nd</sup> March 2023. The Participants participated in groups of 2 or 3 members. The whole event was conducted in total 2 rounds.

**Round 1:** The 1<sup>st</sup> Round was Extempore and was conducted in online mode using Google Meet Platform. Groups were given a topic from 3 domains: Smart City, Data Security and HealthCare Sector. They had to speak for 3mins on the given topic. From the first round, 70% groups were selected for the Round-2 of Posterator. Below are the glimpses of Round 1 (Day 1)



**Round 2:** The 2<sup>nd</sup> Round was conducted in offline mode on 2<sup>nd</sup> March. The Second Round was Digital Poster Making. The members had to design a poster based on the topic they had got in the first round, and present the poster to the Panel of Judges. The Winners were selected on the basis of the creativity of the poster, presentation skills of the members, participation of all the members of the group.

After the selection of the winners, Certificates and Prize money was given to respective groups. E-Certifications of participation were given to all the participants.

**Winners:**

	<b>Sr. No.</b>	<b>Name</b>	<b>Year Branch</b>
<b>Winner</b>	1.	Sakshi Jadhav	<b>SY CS</b>
	2.	Murtuza Kapasi	
	3.	Monika Khivsara	
<b>Runner up</b>	1.	Om Vastre	<b>SY EnTC</b>
	2.	Anway Alamwar	

**Faculty Co-ordinators:** Mrs. Ashwini S. Shinde, Mrs. Anjali.S Shrivastav.

**Student Co-ordinators:** Tushar Alande, Aryan Bharaswadkar, Priyanka Gunke, Nikita Sarode.

**Name of the Event:** Electronic E-Cross.

**Date and Venue:** 1<sup>st</sup> & 2<sup>nd</sup> March 2023 in the ENTC Department, Academic Building PCCOE.

**About the Event:**

**Electronic E-cross** event were conducted for Fun and Learning purposes. Electronic Crossword event was conducted by ETSA-IETE (Electronics and Telecommunication Student Association). It was conducted for students of all branches in a group of 2 or 3 members. The event comprised of three rounds. The first round was conducted in online mode on the Kahoot platform on 1<sup>st</sup> March 2023. It was a quiz round. Out of the total groups, 30% of groups were selected for the second round. The second round was Rapid Fire which was conducted in offline mode on 2<sup>nd</sup> March 2023. In this round, the participants were asked questions and were judged based on correct answers and time taken. Of these, 50% of the groups qualified for the third and last rounds. This round comprised a crossword puzzle. Finalists had to fill out the puzzle with the help of the hints provided. Three groups were awarded cash prizes. The prizes were distributed to the winners of competitions by guests. E-certificates of participation were provided to all the participants.

**Faculty Co-ordinators:** Mrs. Ashwini S. Shinde, Mrs. Anjali.S Shrivastav.

**Student Co-ordinators:** Nikhil Shinde, Ninad Kulkarni, Tejas Bhonde, Mitali Bhapkar.

**WINNERS**

<b>Rank</b>	<b>Name of Student</b>	<b>Prize Money</b>
1 <sup>st</sup> Prize	Anurag Biradar (SY ENTC) Harshal Chavan (SY ENTC) Aditi Chandanwar (SY ENTC)	Rs. 3000/-
2 <sup>nd</sup> Prize	Ayush Bedre (SY ENTC) Vibhav Dalvi (SY ENTC)	Rs. 2000/-
3 <sup>rd</sup> Prize	Diksha Pawar (SY ENTC) Tarang Patil (SY ENTC)	Rs. 1000/-

**GLIMPSE OF THE EVENT**



**Name of the Event:** Abhiyantrix'23 2022-23

This was a two day technical Conference, “**Abhiyantrix'23,**” organized by Electronics and Telecommunication Student Association (ETSA) in association with IETE-PCCOE Student Forum and Technically sponsored by IEEE SPS Chapter.

**Date:** 10<sup>th</sup> April 2023 and 11<sup>th</sup> April 2023.

**Introduction:**

It was a department level Conference, “**Abhiyantrix'23,**” organized by Electronics and Telecommunication Student Association (ETSA) in association with IETE-PCCOE Student Forum Technically sponsored by IEEE SPS Chapter, on 10<sup>th</sup> April 2023 and 11<sup>th</sup> April 2023. “**Abhiyantrix '23**” focuses on Providing an open forum to disseminate students’ experimental and research work and exchanging views on future research directions with prominent personalities in the electronics and telecommunication. The participants and winners received certificates, whereas winners were awarded goodies

**Faculty Advisors :**

Dr. M.T. Kolte, Dr. D. S. Khurge, Mrs. A.S. Shinde, Mrs. Anjali Shrivastav, Mr. S. S. Ayane, Mr. U. R. Shirode.

**Day 1 of the Event (10 April 2023) :** Inauguration of Abhiyantrix'23 and a session on “**Who will survive in the world of AI?** ” by Mr. Vinayak Pachlag ( CEO of Vedbiz Technologies).

The Inauguration function was conducted on 10<sup>th</sup> April 2023. For that function Mr. Vinayak Pachalag sir, Deputy director PCCOE Dr.N.B.Chopade sir, HOD Dr.M.T.Kolte sir, Dr.S. U. Bhandari ma'am, Faculty advisors Dr. D. S. Khurge , Mrs. A.S. Shinde, Mrs Anjali Shrivastav, Mr. S. S. Ayane, Mr. U. R. Shirode were present. Mr. Vinayak Pachalag was the inauguration's keynote speaker and addressed students by giving insights on **"Who will survive in the world of AI?"**. Mr. Vinayak Pachlag gave overview of what are career options which will be in demand and guided students on how they can improve their learnability, adaptibility to survive in the world of AI. He also taught about how one can take this situation as opportunity rather than obstacle.

### Glimpses of the Event:



**Day1 of the Event:** Paper Presentation.

**Date :**10<sup>th</sup> April 2023.

**Introduction:** Paper Presentation by the Students.

**About the Event:**

This is a conference for the students by the students. Here the students got the chance to explore and experience various technologies through research papers written and represented by the students. In this conference, there were 6 tracks; VLSI and Embedded systems, Communication, and Signal Processing, AIML and Cloud Computing, Energy and Automation, Research case study, and Emerging Technology. The paper presentation started after the inauguration ceremony. All participants presented their paper in their respective tracks. Two reviewers were there for each track to judge participants based on various parameters. Depending on reviewers' feedback from each track one winner and one runner up is chosen.

Below is the data of number of applications received in each track and number of accepted papers:

<b>SR. No.</b>	<b>TRACK NAME</b>	<b>No. Of paper</b>	<b>Accepted</b>	<b>Rejected</b>
1.	Energy and Automation	31	16	15
2.	VLSI and Embedded System	5	4	1
3.	Communication and signal processing	16	14	2
4.	AI ML and Cloud computing	14	9	5
5.	Emerging technology	14	6	3
6.	Research Case Study	5	4	1
<b>Total Paper</b>		85	53	32





**Day2 of Event:** Valedictory Function

**Date:** 11<sup>th</sup> April 2023.

**Introduction:**

Department of Electronics and Telecommunication Engineering had organized **Valedictory Function** in association with ETSA-IETE - PCCoE student forum which was scheduled on 11<sup>th</sup> April, 2023. For Valedictory Keynote session was there by Mr..Vishal Jain, Deputy General Manager of VoIS , on the topic “ **Industry use cases of Data Analytics.**”

**Objectives:**

This session was organised for the students to give information about data analytics and develop skills in the same.

**About the Chief Guest:**

For the Valedictory session we were privileged to have Vishal Jain sir who were having 19+ years of experience in Retail, Banking and Telecom. His core areas are Data warehousing delivery management, Data engineering, Data migrations, Data visualizations. He is certified supply chain management professional(IIM Bangalore), certified project management professor, Tetradata architect, SAFe agilest. He is a Deputy general manager, Global data and analytics.

### **About the Event:**

The Valedictory session was conducted on 11<sup>th</sup> April 2023. For that function Mr. Vishal Jain sir (Deputy General manager VoIS ), Deputy director PCCOE Dr.N.B.Chopade sir, HOD Dr.M.T.Kolte sir, Dr. S.

U. Bhanadari ma'am, Faculty Advisors Dr. D. S. Khurje , Mrs. A.S. Shinde, Mrs Anjali shrivastav, Mr. S. S. Ayane, Mr. U. R. Shirode were present. Mr. Vishal Jain sir addressed students on the topic “ Industry use cases of data analytics” gave brief insights about how data is important for making decisions in industry. After session Mr. vishal jain sir awarded the winners of conference and gave best wishes to all future activities.

### **Winners:**

Sr No.	Group Id	Name Of Participants	Track Name	Position	Guide Name
1.	VES1	Tushar Alase, Riddhi Jagtap, Rushikesh Patil.	VISI And Embedded System	Winner	Mr. M M Narkhede
	VES5	Om Sarulkar		Runner Up	Mrs. Mrunalini Bhandarkar
2	CSP5	Shruti Bhavsar, Rugved Futane, Khusendra Patil	Communication And Signal Processing	Winner	A S Pawar
	CSP2	Uday Badhe, Snehal Pande, Atharva Lele		Runner Up	S Y Sawant
3	AM4	Vaishnavi Mali, Pushkar Mahajan, Darshan Khope	Aiml And Cloud Computing	Winner	Dr Rajani P K
	AM5	Guruprasad Deshpande, Jayesh Kolhe, Vishal		Runner Up	Dr Rajani P K
4	EA17	Vaishnavi Patil, Sejal Rathod, Mukund Suravase	Energy And Automation	Winner	Dr D S Khurje
	EA20	Vaishnavi Patil, Sejal Rathod, Mukund Suravase		1 <sup>st</sup> Runner Up	P R Sonawane

	EA7	Pratik Shetti, Rudresh Shrirao, Madhav Pujari		2 <sup>nd</sup> Runner Up	P V Sontakke
5	RS1	Aishwarya Dhol, Vaishnavi Avhad, Pravin Choure	Research Case Study	Winner	Mr G E Rahate
6	ET8	Arnav Kulkarni, Shubham Joshi	Emerging Technology	Winner	Dr M T Kolte
	ET7	Disha Kolte, Vaishnavi Nikam And Vaishnavi Dube.		Runner Up	A S Gadhe

**Glimpses of event:**





**Name of the Event:** (Farewell 2023)

**Date and Venue:** 26<sup>th</sup> May 2023 at S. B. Patil, Auditorium, PCCOE

**Guest of Honor:** Dr. N. B. Chopade, Dr. M. T. Kolte, Dr S. U. Bhandari

**Brief About the Event:** The Program started with an Inauguration Ceremony where everyone looked blessings from Lord Ganesha. The anchors Ms. Gauri Mule and Mr. Tejas Bhonde, took charge of the program and formally invited **Dr. N. B. Chopade, Dr. Kishor Kinage** and **Dr. Varsha Harpale** sir to guide all the students. The felicitation program was successfully completed with the help of all the dignitaries present at the event. Students from various cells like ETSA, Sports, Research, and Technical team were honored and appreciated for their achievements and efforts. The best outgoing student award was given to **Mr. Guruprasad Deshpande** and **Mr. Chirag Sorte** from B.E. Batch 2023.

Almost 250 students and ENTC faculty attended the program and their participation contributed to becoming a successful event.

**Name of the Event:** IEEE SPS Inauguration Ceremony and Project Based Learning Exhibition.

**Date and Venue:**

**Inauguration:** 13<sup>th</sup> June 2023 at Seminar Hall, Mechanical Building, PCCOE.

**PBL Exhibition:** 13<sup>th</sup> June 2023; 3<sup>rd</sup> floor EnTC Department, PCCOE.

**About the Event:**

**Inauguration Ceremony:** The event commenced with inauguration ceremony, graced by the presence of honoured IEEE execom members, Pune section, college dignitaries and faculty members. The ceremony began with the lighting of the traditional lamp, symbolizing the start of a new journey. We were fortunate to have our chief guest as Dr. Rutuja Deshmukh (secretary at IEEE SPS Pune Chapter) and Dr. Sunil Somani (Student Activity chair, Pune section) and dignitaries Dr. N. B.Chopade (Deputy Director) and Dr. M. T. Kolte (HOD ENTC Dept). Dr.N.B. Chopade felicitated all the guests.

**Project Exhibition:** Following the inauguration ceremony, the main attraction of the event was the project exhibition. In all 24 groups from second year participated in this exhibition of EnTC department. The exhibition featured a diverse range of projects, including engineering prototypes, scientific experiments, computer applications, artistic creations, and social initiatives. The projects were a result of the students' technical skills, research capabilities, and creative thinking. The occasion was graced by the judges Dr. Rutuja Deshmukh (secretary at IEEE SPS Pune Chapter), Dr. Bisikar (Associate Professor at ROSCOE, Pune), Mr. Vikram Samant (Director at Next Step Technology), Mr. Rajendra Suryavanshi (Consultant Uno Minda), Dr. M.T. Kolte (HOD EnTC PCCOE), Mrs. Gaikwad, Mr. Nagralare and Mr. Shirole.

Prizes were given to 5 groups based on the evaluation done by the judges and were awarded with trophies and certificates.

Team Matsya emerged to be the winners. Second prize was shared by Team TechWizards and Team H(2)OPE. Third prize was shared by Team Vector and Team ElectroWynk

**Faculty Co-ordinators:** Dr. Varsha Harpale, Dr. Dipti Khurge, Mrs. Ashwini Shinde, Mrs. Swati Jagtap.

**Student Co-ordinators:** IEEE SPS Student Chapter members and FY coordinators.

### **Glimpses of the Event:**

Students demonstrating their projects to the guests



PBL Competition Winners Team Matsya

