



PIMPRI CHINCHWAD COLLEGE OF ENGINEERING

ANNUAL REPORT E&TC DEPARTMENT

ACADEMIC YEAR 2023-24

EDITORIAL TEAM

DR. M. T. KOLTE
DR. ANJALI SHRIVASTAV
MRS. SONAL SHIRKE

STUDENT EDITOR

VISHVESHWAR JADHAV

Department at a Glance

About the Department

The Electronics and Telecommunication (E&TC) Engineering Department at Pimpri Chinchwad College of Engineering (PCCoE), Pune, is a premier department committed to academic excellence, cutting-edge research, and holistic student development. Established with a vision to produce skilled engineers with strong fundamentals and industry-readiness, the department offers UG (B.E.), PG (M.Tech. in VLSI & Embedded Systems), and Ph.D. programs under Savitribai Phule Pune University (SPPU).

Academic Programs

- **B.E. in Electronics and Telecommunication Engineering**

Focus on embedded systems, signal processing, communication, IoT, VLSI, and more.

- **M.Tech in VLSI & Embedded Systems**

Industry-oriented curriculum with exposure to advanced tools like Vivado, Xilinx, Microwind, etc.

- **Ph.D. Research Center**

Recognized research center under SPPU in emerging areas like In-Memory Computing, Signal Processing, RF & Wireless Communication, VLSI Design, and Machine Learning.

Intake and Status of NBA Accreditation of E & Tc Department

		Starting Year	Intake	NBA-I	NBA-II	NBA III
1	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)		
2	UG- II shift	2010	60			

ACADEMICS

Highlighted Events in 2023-24 to strengthen Academics

Mentoring Event: B.Tech Project Mela E&TC

The Electronics and Telecommunication Engineering (E&TC) Department of PCCoE, in association with the MHRD Institution's Innovation Council (IIC), successfully organized the B.Tech Project Mela from January 2 to 4, 2024, targeting final-year B.Tech students. The objective of the event was to guide students in understanding academic project requirements, enhancing project development skills, and exploring career opportunities in core and interdisciplinary domains.

The three-day program comprised six hours of interactive sessions conducted by esteemed faculty members including Dr. M. T. Kolte, Dr. Rajani P. K., Mr. U. R. Shirode, Mr. A. S. Gaadhe, and Mr. M. M. Narkhede. These sessions offered valuable insights into effective project planning, innovation, technical documentation, and aligning academic projects with industry expectations.

A total of 51 final-year students actively participated in the sessions, reflecting strong interest and engagement. The event concluded with group project presentations held on January 19, 2024, where students showcased their ideas and progress, receiving constructive feedback from faculty members.

The B.Tech Project Mela provided a platform for experiential learning, peer interaction, and expert mentoring, contributing significantly to the academic and professional growth of participating students.



Project Exhibition – E&TC

The Department of Electronics and Telecommunication Engineering at PCCOE organized a Project Exhibition on 28th February 2024 to celebrate National Science Day. The event showcased innovative projects developed by final-year students under Problem-Based Learning (PBL) V and VI. A total of 44 students and 4 faculty members participated in the event. It was conducted in collaboration with the IETE Student Forum and Institution's Innovation Council (IIC). Coordinated by Dr. D. S. Khurge, Dr. R. V. Patil, Mrs. M. S. Bhandarkar, and Mrs. I. B. Vyas, the exhibition successfully promoted innovation, technical skills, and the spirit of scientific inquiry.



Academic Laurels

Academic Result:

AY 2023-24 SEM I

Sr. No.	Class	%Result	Distinction in %
1	SY	67.24	35.15%
2	TY	93.59%	76.47%
3	B.Tech	91.40%	52.94%

AY 2023-24 SEM II

Sr. No.	Class	%Result	Distinction in %
1	SY	70.48	29.52%
2	TY	90.64%	48.77%
3	B.Tech	98.64%	63.34 %

Batch Toppers:

Year	Name of the Student	%Result
SY B.Tech	PHADKE ADVAIT AMIT	9.58
	GHADAGE SUYASH SANDESH	9.17
	SAVALKAR VIDYA VIJAYKUMAR	9.11
TY B.Tech	SAMARTH GOSAIN	9.56
	AKSHAY MAHESH	9.41
	BHASKAR VASANTH RAO	9.19
Final Year B.Tech	LANDE KAJAL DHANANJAY	10
	DUDHAL SHRAVANI ROHIDAS	9.95
	KULKARNI NINAD PRASHANT	9.82

M.Tech (VLSI & Embedded Systems) Toppers

FY. M.Tech

PRN No	Name	CGPA
123M1E003	Rutuja Shende	9.18
123M1E002	Prajakta Navtakke	8.6

SY.M.Tech

PRN No	Name	CGPA
122M1E001	Priti Ahire	8.63
122M1E003	Bhagyashri Mahajan	8.22

RESEARCH AND DEVELOPMENT

Events Organized

S.N.	Name of Faculty	Event Organized	Date & Time	Resource Person	No. of Beneficiary
1	Dr. D.S. Khurge, Dr. S.U.Bhandari	“Rise of Quantum computing: A new era for VLSI Design” in collaboration with eInfochips Ahmedabad Pvt. Ltd	24th July 2023 to 28th July 2023	T.S.Mahesh, Dr.Narendra Gajjar	57
2	Dr. Varsha Harpale and Mrs. Archana Bhamare	Workshop : Industrial Fault Indication system with SMS alert	23rd to 25th Aug. 2023	Vector India Ltd.	76
3	Dr. Varsha Harpale and Mrs. Ashwini Shinde	Seminar: Scope of Embedded Systems	22nd Aug. 2023	Vector India Ltd.	152
4	Dr. Deepti Khurge	ASIC design Flow	Nov 2, 23	Anjan Rudra, Synopsys Pvt. Ltd	UG students
5	Dr. Sheetal Bhandari, Dr. Kanchan Khare, Dr. Deepa Abin	Lecture Series on IKS	10th and 11th August	Mr.Hemant Gadgil, Mrs.Manisha Puranik	
6	Dr. Sheetal Bhandari, Dr. Leena Sharma	Two days workshop on Relative Grading	2nd and 3rd August 2023	Leena sharma and Team of Relative Grading	
7	Dr.Rajani.P.K Mrs. Ashwini Shinde	Seminar on “Case Study on Advanced Driver-Assistance Systems using CNN “	5th September 2023	Dr. Sanjay Talbar Sir (Adjunct Professor, PCCOE PUNE)	UG students
8	Dr.Rajani.P.K Mrs. Ashwini Shinde	Demonstration on DeepLearning Model Deployment on Raspberry Pi	13th October 2023	Mr.Kunal Khandaelwal,Applicati on Engineer Mathworks	80
9	Mr.M.M.Narkhede & Project Coordinators	Awareness of research and development among budding entrepreneurs	4,8,11 August 2023	Dr. Rajani P.K., Mr. U. R. Shirode, Mr. A.S. Gadhe, Mr. M. M. Narkhede	49
10	Dr. Varsha Harpale , Mrs. Swati Jagtap, Mrs. M.S. Bhandarkar,Mrs. Vaishali N. patil, Mr. Pramod Sonawane, Mrs.kalpna patil, Mrs.supriya vaishnav, Mrs.Shweta devdas, Mrs.Archana Bhamare	2023 IEEE SPS Seasonal School on Explainable AI on Signal and Image Processing	4th to 9th Dec 2023	International and National Speakers	75
11	Mr.M.M.Narkhede & Project Coordinators	BTP MELA 2024	2/1/2024,3/1/2024 & 4/1/2024	Dr. Rajani P.K., Mr. U. R. Shirode, Mr. A.S. Gadhe, Mr. M. M. Narkhede	153
12	Dr.Rajani.P.K and Mrs. Ashwini Shinde	Hardware Integration with MATLAB for Deep Learning	20/1/2024	Mr. Kunal Khandelwal at DesignTech Systems Pvt. Ltd., Application Engineer-MathWorks	184
13	Dr.Rajani.P.K and Mrs. Ashwini Shinde	MATLAB Python Interoperability for AI Application	17/2/2024	Mr. Kunal Khandelwal at DesignTech Systems Pvt. Ltd., Application Engineer-MathWorks	182

14	Dr.Rajani.P.K and Mrs. Ashwini Shinde	Demonstration of Edge AI Development Kit	12/01/2024	Ms. Mrinalini Barik, Digoat Technologies, Bangalore	49
15	Mrs Swati Jagtap, Mr. S.S Ayane & Dr.Rajani.P.K	Exploring AI with Low Code No Code Technology	16/2/2024	Mr.S.T.Prabhu, experienced industrialist	63
16	Mr. S.S Ayane & Dr.Rajani.P.K	Research Proposal Writing	24/2/2024	Dr.Swati.V.Shinde, Dean Research and Development, PCCoE	42
17	Dr.Rajani.P.K	National Startup Day Celebration	29/1/2024	Dr.Rajesh Phursule, Director of Constromatic Automations LLP and Associate Professor at PCCoE	72
18	Dr.Rajani.P.K	National Pollution Control Day Celebration	07/02/2024	Dr.Mahesh Kolte, Head of the Department and Professor at E&TC PCCoE	51
19	Mrs. Sangita Patil, Mr. Pramod R, Sonawane, Mr. Ujjawal Shirode, Mr, Manish Narkhede	A Six Days training workshop on "" Surveillance Drone Building from scratch	19th February 2024 -24th February 2024)	Mr. Aditya Kolte	50
20	Mrs.Bhandari ,Mr.kolte	ATAL FDP (Emerging trends in Semiconductors)	15/01/2024 to 20/01/2024	International and National Speakers	31
21	Dr. Varsha Harpale and Mrs. Ashwini Shinde	Embedded AI challenge, poster presentation competition conducted under FestX 3.0	18/1/2024 to 19/1/2024	Dr.Rajani P.K.,Dr.G.R.Rahate	50
22	Mrs. Ashwini Shinde, Mrs.sangita patil, Dr. V.S.Bendre, Mrs.M.T.shelke	Handson training on Jetson Boards	12/08/2023	Mr.Aditya Yadav	21
23	Mrs. Ashwini Shinde Mrs.A.S.Shrivastav	ETSA-IETE and IEEE-SPS	13/9/2023	Mr.S.T.Prabhu, experienced industrialist	248
24	Mrs.Swati Patil,Dr.Sonali Kale	Session on Emotional Intelligence at work place	6th Feb.2024	Dr.Jyoti Rao	56
25	Mr. A B Patil ,Mrs S A Patil,Mr.M.M.Narkhede	Handson training on "Training on Firebird Bots"	15/04/2024	Ms. Mrinalini Barik, Digoat Technologies, Bangalore	12
26	Mr. A B Patil ,Mrs S A Patil,Mr.M.M.Narkhede	Humanoid Robot Workshop	13/3/2024	B.Tech E&TC Students	UG students
27	Mr. A B Patil ,Mrs S A Patil,Mr.M.M.Narkhede	Metallic or Nonmetallic Sorting Mechanism	20/3/2024	B.Tech E&TC Students	UG students
28	Mr.M.M.Narkhede	Lean Start-up and Minimum Viable Product/Business	08/21/2023	Dr.Rajani P.K.	55

FDP/Workshops/Technical events Attended

S. N	Name of Faculty	Event Attended	Name of Event	Date	Venue
1	Dr Nilkanth Chopade	FDP	NEP 2020 Orientation & Sensitization Programme	01/02/2024 to 14/02/2024	Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource, Development Centre) Savitribai Phule Pune University
2	Dr M T Kolte	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	01/02/2024 to 14/02/2024	Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource, Development Centre) Savitribai Phule Pune University
3	Dr. Sheetal Bhandari	Symposium	SNUG	21/06/2023 to 22/06/2023	Synopsis , Bengluru
4	Dr. Sheetal Bhandari	Seminar	NEP and IKS	8/21/2023	Bhandarkar Oriental Institute
5	Dr. Sheetal Bhandari	FDP	NEP 2020 Orientation & Sensitization Programme	01/02/2024 to 14/02/2024	Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource, Development Centre) Savitribai Phule Pune University
6	Dr. Sheetal Bhandari	FDP	“Leveraging Insights for Effective Implementation of National Education Policy in Computer Engineering”	11/03/2024 to 15/03/2024	Online by Dept of Comp Engg., PCCOE, Pune
7	Dr Kishor Kinage	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
8	Dr. Varsha Harpale	FDP	Rise of Quantum Computing:A new era for VLSI Design	24th July to 28th July,2023.	PCCOE
9	Dr. Varsha Harpale	FDP	Recent Trends in Machine Learning	13th March 2023 to 17th March 2023	AISSMS College of Engineering, Pune
10	Dr. Varsha Harpale	FDP	Artificial Intelligence in HealthCare	24th - 28th July, 2023.	MIT ADT Pune
11	Dr. Varsha Harpale	Seminar	IEEE Authorship : Tips and best practices to get published	8/31/2023	IEEE
12	Dr. Varsha Harpale	Training Programme	Basic Statistics in Environmental and Agricultural Sciences Using R – Beginner Course for Practitioners and Early Career	December 11-15, 2023	Azim Premji University, Bengaluru (In-person)

			Researchers'		
13	Dr. Varsha Harpale	Training Programme	Embedded Systems in Real Time and Applications of IOT	25th-29th Sept 2023	KJCOEMR, Pune-48
14	Dr. Varsha Harpale	Technical Event	IEEE SPS Forum : Women LEADING Technology 2.0	6th and 7th Oct 2023	IEEE SPS Gujrat Chapter
15	Dr.D.S. Khurge	ProGRANT Training (FDP)	ProGRANT Proposal Writing for Research Grants: Practical-Oriented Trainings for New Researchers India 2023	19/6/2023 to 22/6/2023	DIES (Dialogue on Innovative Higher Education Strategies) program which is jointly coordinated by the DAAD and German Rectors' Conference
16	Dr.D.S.Khurge	Symposium	SNUG	21 and 22 June 23	Synopsis , Bengluru
17	Dr.D.S.Khurge	FDP	NEP 2020 Orientation & Sensitization Programme	01/02/2024 to 14/02/2024	Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource, Development Centre) Savitribai Phule Pune University
18	Dr.D.S.Khurge	FDP	Rise of Quantum Computing:A new era for VLSI Design	24th July to 28th July,2023.	PCCOE
19	Dr. Varsha Bendre	STTP	Exploring Recent trends in Data Science using IoT	23rd June to 1st July,2023.	By Dept of Comp Engg., Thakur College of Engineering
20	Dr.Varsha S Bendre	ProGRANT Training (FDP)	ProGRANT Proposal Writing for Research Grants: Practical-Oriented Trainings for New Researchers India 2023	During 24 April 2023 24 November 2023	DIES (Dialogue on Innovative Higher Education Strategies) program which is jointly coordinated by the DAAD and German Rectors' Conference
21	Dr.Rajani.P.K	ProGRANT Training (FDP)	ProGRANT Proposal Writing for Research Grants: Practical-Oriented Trainings for New Researchers India 2023	April to November 2023	DIES ProGRANT German Proposal Writing for Research Grants in India (Hybrid Mode)
22	Dr.Rajani.P.K	IDE Boot Camp Training(S TTP)	Innovation, Design and Entrepreneurship (IDE) Bootcamp	22/6/2023 to 26/6/2023	Organized at COEP Technological University, Pune by MIC & AICTE
23	Dr.Rajani.P.K	Workshop	Essentials of Research Writing and Using Mendeley Reference Manager	November 28 - 29, 2023	Scrollwell
24	Dr.Rajani.P.K	ISO Internal Auditor Training	ISO 21001: 2018 Educational Organizational Management System	19th &20th May 2023	WeBuild Pathways Pvt. Ltd.
25	Dr.Rajani.P.K	Workshop	Explainable AI in Signal and Image Processing	4th to 9th December 2023	IEEE SPS Student Chapter of PCCoE, Pune
26	Dr.Rajani.P.K	Seminar	IIC Regional Meet 2023	16th December 2023	Dr. D. Y. Patil Vidyapeeth, Pimpri, Pune organized by MoE's Innovation Cell
27	Dr.Rajani.P.K	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)" of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly

					UGC- Human Resource Development Centre) Savitribai Phule Pune University
28	Dr Sunil Tade	FDP	“Leveraging Insights for	11/03/2024 to 15/03/2024	Online by Dept of Comp Engg., PCCOE, Pune
29	Dr Sunil Tade	Orientation Program	Effective Implementation of National Education Policy in Computer Engineering”,	19/03/2024	Board of Examinations and Evaluation, SPPU, Pune University
30	Dr Sunil Tade	FDP	NEP 2020 Orientation & Sensitization Programme	01/02/2024 to 14/02/2024	Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource, Development Centre) Savitribai Phule Pune University
31	Dr Sunil Tade	FOW	“Examination Processes, 'Automation and Reforms"	3/19/2024	organized by the Board of Examination and Evaluation; Savitribai Phule Pune University
32	Dr. Jyoti S. Kulkarni	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	01/02/2024 to 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
33	Dr. Jyoti S. Kulkarni	FDP	NSQF Aligned Skill Development	26/06/2023 to 30/06/2023	Online mode by NITTR Chandigarh
34	Dr. Jyoti S. Kulkarni	FDP	Technology Integration & NEP 2020	12/06/2023 to 16/06/2023	Online mode by NITTR Chandigarh
35	Mr. Ashok Suryawanshi	FDP	NEP 2020 Orientation & Sensitization Programme	01/02/2024 to 14/02/2024	Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource, Development Centre) Savitribai Phule Pune University
36	Mr. Ashok Suryawanshi	Training Programme	Educational Organization Management System	19 – 20 May 2023	By WeBuild Pathways Pvt Ltd
37	Mr. Ashok Suryawanshi	FDP	One week Faculty Development Program on “Implementing IoT and Machine Learning Applications on Raspberry Pi” 03/07/2023 to 07/07/2023	03/07/2023 to 07/07/2023	Organized in Online mode by Dept. of E&TC Engineering, Bhivarabai Sawant College of Engineering and Research, Narhe, Pune-41
38	Mrs.S.U.Deoghare	FDP	Digital Marketing	27/5/24 to 31/5/24	MIT Arts, Commerce and science college, Nizamabad, MH & Nishita degree college Nizamabad, MH
39	Mrs.S.U.Deoghare	FDP	NEP 2020 Orientation & Sensitization Programme	01/02/2024 to 14/02/2024	Organized in Online mode by Dept. of E&TC Engineering, Bhivarabai Sawant College of Engineering and Research, Narhe, Pune-41
40	Mrs.S.U.Deoghare	FDP	One week Faculty Development Program on “Implementing IoT	03/07/2023 to 07/07/2023	Organized in Online mode by Dept. of E&TC Engineering, Bhivarabai

			and Machine Learning Applications on Raspberry Pi” 03/07/2023 to 07/07/2023		Sawant College of Engineering and Research, Narhe, Pune-41
41	Mrs.S.U.Deoghare	FDP	Cloud Infrastructure	21 st to 25 th August 2023	By Sinhad Academy of Engineering, Pune
42	Mrs. Suvarna Pankaj Kadam	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
43	Mrs Sharda M Dhavale	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	01/02/2024 to 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
44	Mrs Sharda M Dhavale	Workshop	Explainable AI For Signal And Image Processing	4th -9th Dec 2023	PCCOE
45	Mrs Sharda M Dhavale	Workshop	Data Science using Python	February 19th to 23rd, 2024	Brainovision Solutions India Pvt. Ltd.
46	Mrs Sharda M Dhavale	Workshop	Introduction to Optimization Techniques using MATLAB and other tools	15 to 19/01/2024	By PCCOE
47	Mrs.Aarti S. Pawar	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	01/02/2024 to 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
48	Mrunalini Bhandarkar	FDP	Deep Learning for NLP and Computer Vision	10th July to 28th July 2023	Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR
49	Mrunalini Bhandarkar	Seminar	Mendeley Reference Manager: An Effective Way to Organized Research (210 minutes)	18th August 2023	PVG COET, Pune
50	Mrunalini Bhandarkar	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	01/02/2024 to 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly

					UGC- Human Resource Development Centre) Savitribai Phule Pune University
51	Mrunalini Bhandarkar	FDP	One week Faculty Development Program on “Implementing IoT and Machine Learning Applications on Raspberry Pi” 03/07/2023 to 07/07/2023	03/07/2023 to 07/07/2023	Organized in Online mode by Dept. of E&TC Engineering, Bhivarabai Sawant College of Engineering and Research, Narhe, Pune-41
52	Anjali Shrivastav	ATAL FDP	Emerging trends in Semiconductors	15/01/2024 to 20/01/2024	Pimpri Chinchwad college of Engineering, Pune
53	Swati Jagtap	Seminar	Mendeley Reference Manager: An Effective Way to Organized Research (210 minutes)	18th August 2023	PVG COET, Pune
54	Swati Jagtap	Workshop	One week Intensive workshop on English for Research Writing	29/ 04/2023 to 05/05/2023	PCCOE, MBA
55	Swati Jagtap	FDP	Cloud Infrastructure(FDP)	21 Aug -25 Aug 2023	SKN COE
56	Swati Jagtap	FDP	7th summer school on AI	9th -15th July 2023	IIIT Hyderabad
57	Swati Jagtap	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
58	Swati Jagtap	Training Programme	Educational Organization Management System	19 – 20 May 2023	By WeBuild Pathways Pvt Ltd
59	Swati Jagtap	FDP	Computer vision for multidisciplinary research	30/10/23 to 4/11/23	By PCCOE, Pune
60	Swati Jagtap	Seminar	Machine Learning Models for performance production & behaviour evolution in complex airborne systems	8/4/2023	IEEE-IISc VLSI Chapter
61	Pramod R. Sonawane	Workshop	Explainable AI in Signal and Image Processing	4th to 9th December 2023	IEEE SPS Student Chapter of PCCoE, Pune
62	Pramod R. Sonawane	Workshop	Introduaction to optimization techniques using MATLAB and other tools	15th Jan to 19th Jan 2024	Civil Dept, PCCOE in association with ISTE and IIC
63	Pramod R. Sonawane	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University

64	Pramod R. Sonawane	Seminar	25 Years of IC Design in Twente: Some Eureka Moments	June 27, 2023	IEEE-IISc VLSI Chapter
65	Ashwini Shinde	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
66	Ashwini Shinde	FDP	Rise of Quantum Computing : A new era for VLSI Design	24/07/2023 to 28/07/2023	VLSI Special Interest Group (SIG) of Dept. of E& TC Engineering , Pimpri Chinchwad College of Engineering, Pune in collaboration with e-Infochips Pvt.Ltd. Ahmedabad
67	K.B.kotangale	FDP	Recent Trends in Computation 3.0	9th to 13th October 2023	VIT PUNE
68	Mr.Kapil B. Kotangale	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
69	Mr.Kapil B. Kotangale	FDP	Role of AI in Speech and Image Processing for Disease Prediction	05/02/2024 to 10/02/2024.	ADITYA ENGINEERING COLLEGE
70	Mr.Kapil B. Kotangale	FDP	Speech Signal Processing Using Machine Learning Algorithms	12/02/2024 to 17/02/2024	ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
71	Mr.Kapil B. Kotangale	FDP	Machine Learning	10/07/2023 to 14/07/2023	By D Y Patil, COE Pune
72	Mr.Ganesh R Rahate	Training Programme	Malaviya Mission Teacher Training Programme (Training program ID : MMC-070-2023-DEC-B-00596)	13/03/2024 to 27/03/2024	SPPU,Pune in online mode
73	Mr.Ganesh R Rahate	National Conference	National Ayush Conference 2024	13/03/2024 to 26/03/2024	Ayush Ministry New Delhi
74	Mrs S Y Sawant	FDP	NEP 2020 Orientation & Sensitization	13/12/2023 to 23/12/2023	ONLINE by Malaviya Mission Teacher Training, Utkal University Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University

75	Mrs S Y Sawant	Workshop	Explainable AI For Signal And Image Processing	4th -9th Dec 2023	Organized by Dept of E&TC, PCCOE in online mode.
76	Mrs S Y Sawant	ATAL FDP	Computer Vision for multidisciplinary research	30/10/2023 to 04/11/2023	Organized by Dept of Comp Engg., PCCOE.
77	Mr. Manish Narkhede	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
78	Mrs.Swati Patil	FDP	Ansys for High Frequency tools:5G antenna Array	20/2/2024 to 21/2/2024	VIT Vellore
79	Mrs.Swati Patil	FDP	Microwave Circuits and devices	6/11/23 to 10/11/23	School of Electronics Engineering (SENSE), VIT-AP University, Amaravati (AP)
80	Mr. Ujwal R. Shirode	Workshop	SOC design using open source EDA Tools	19/7/2023to 25/7/23	E&ICT Academy IIT Guwahati
81	Mr. Ujwal R. Shirode	FDP	Internet of things	21/9/2023 to- 27/9/2023	IIT(BHU)
82	Mr. Ujwal R. Shirode	FDP	Current trends in industry	2/6/2023 to 8/6/2023	DYP Instituturte of Engg.Mgmt, Akurdi
83	Mr. Ujwal R. Shirode	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	01/02/2024 to 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
84	Mr. Ujwal R. Shirode	FDP	FDP on Android Development (Elective V) SPPU	30/1/2024 to 1/02/2024	Bharti Vidyapeeth College
85	Mr. Ujwal R. Shirode	Seminar	Nanosystem:LAB to FAB	22/7/23	IEEE-IISc VLSI Chapter
86	Mr. Prakash V. Sontakke	FDP	Outcome Based Education and NBA Process	28th to 30th Dec 2023	Online
87	Mr. Prakash V. Sontakke	FDP	Modern Research Convergence in Next Generation Computing	18.12.23 to 22.12.23	Sri Krishna College of Engineering and Technology, Coimbatore (Online)
88	Mr. Prakash V. Sontakke	FDP	Research paper Writing and I.P. Rights	18.01.24 to 20.01.2024	A. G Patil Institute of Technology, Solapur(Online)
89	Mr. Prakash V. Sontakke	FDP	NEP 2020 Orientation & Sensitization	01.02.2024 to 14.02.2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune

					University
90	Mr. Prakash V. Sontakke	FDP	National Workshop on “High Performance Computing in Engineering Applications (HPCEA)	28.02.2024 to 03.03.2024	National Institute of Technology Warangal - 506004, Telangana, India
91	Mr. Prakash V. Sontakke	FDP	Phasel of the creators of metaverse FDP	2023-24	AICTE
92	Mr. Prakash V. Sontakke	STTP	Advancement and recent application trends in JAVA	11/03/2024 To 23/03/2024	SIT & Science,Pune
93	Mr.S.S.Ayane	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
94	Mr.S.S.Ayane	FDP	21st Century: Recent Trends, Challenges and future roadmap for transition in technological generations	25/04/2024 to 30/04/2024	Dept of Electrical Engineering, YCCE, Nagpur
95	Mr.S.S.Ayane	FDP	Incucating Universal Human Values in Technical Education	15/03/2024 to 17/03/2024	PCCOE, Pune
96	Mr Ajjay S Gaadhe	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
97	Mr Ajjay S Gaadhe	Training Programme	Research and Publication Ethics	26/12/2023 to 25/01/2024	Online by CPE SPPU
98	Mrs Sangita A Patil	FDP	NEP 2020 Orientation & Sensitization	1/02/2024 to 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
99	Archana Bhamare	FDP	NEP 2020 Orientation & Sensitization	13/12/23 To 23/12/23	Utkal University, Bhubaneswar in online mode
100	Archana Bhamare	Workshop	Explainable AI For Signal And Image Processing	4th -9th Dec 2023	Organized by Dept of E&TC, PCCOE in online mode.
101	Archana Bhamare	FDP	One week Faculty Development Program	03/07/2023 to 07/07/2023	Organized in Online mode by Dept. of E&TC

			on “Implementing IoT and Machine Learning Applications on Raspberry Pi”		Engineering, Bhivarabai Sawant College of Engineering and Research, Narhe, Pune-41
102	Sonal shirke	FDP	Understanding block chain technology and its applications	8/8/23 to 12/8/23	Samarth group of Institues college of engineering belhe,pune
103	Sonal shirke	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
104	Isha Vyas	Workshop	Explainable AI For Signal And Image Processing	4th -9th Dec 2023	Organized by Dept of E&TC, PCCOE in online mode.
105	Mrs. Vaishali Patil	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
106	Mrs. Vaishali Patil	FDP	Future trends and advances in Electrical Science	9/10/2023 to 13/10/2023	Department of electrical and electronics engineering, Bharath Institute of Higher education and Research, Selaiyur, Chennai-73, Tamilnadu
107	Mrs. Vaishali Patil	FDP	Cloud Infrastucture (AWS)	21 August 2023 to 25 August 2023	AISSMS,Pune
108	Mrs. Vaishali Patil	Workshop	Innovation, Design and Entrepreneurship (IDE) Bootcamp	29/01/2024 to 2/02/2024	The National Institute of Engineering, Mysuru, organized by MIC and AICTE
109	Mrs. Vaishali Patil	FDP	Gerarative AI	4/3/2024 to 9/3/2024	DYP COE,Akurdi
110	Ms. Vaishnavi Pujari	IEEE Authorship : Tips and best practices to get published	IEEE Authorship : Tips and best practices to get published	6/26/2023	Organised by IEEE
111	Ms. Vaishnavi Pujari	ATAL FDP	Emerging trends in Semiconductors	15/01/2024 to 20/01/2024	Pimpri Chinchwad college of Engineering, Pune
112	Mrs. Supriya A. Vaishnav	ATAL FDP	Emerging trends in Semiconductors	15/01/2024 to 20/01/2024	Pimpri Chinchwad college of Engineering, Pune
113	Mrs. Supriya A. Vaishnav	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	01/02/2024 to 14/02/2024	UGC -Malaviya Mission Teacher Training Centre SPPU, Pune
114	Mrs. Supriya A. Vaishnav	WEBINAR	Revolutionizing Tomorrow : The Impact of Emerging Technology	12 Dec to 16 Dec 2023	Center for Buisness analytics,RVIm in association with BOSTON IT solutions India Pvt. Ltd

115	Mrs. Supriya A. Vaishnav	WEBINAR (CoreEL Technologies and AMD-Xilinx)	Accelerating Image Processing using PYNQ Z2 Board	16th March 2024	CoreEL Technologies and AMD-Xilinx
116	Mrs. Supriya A. Vaishnav	WEBINAR	BERT: Revolutionizing Text Analysis & Sentiment Understanding	13th July 2023	Center for Business analytics, RVIm in association with BOSTON IT solutions India Pvt. Ltd
117	Mrs. Supriya A. Vaishnav	FDP	Recent Trends in Artificial Intelligence & Data Science	24th-28th July 2023	Sinhgad College of Engineering Pune
118	Mrs. Supriya A. Vaishnav	FDP	Artificial Intelligence in HealthCare	24th - 28th July, 2023.	School of Computing in association with IEEE Engineering in Medicine & Biology Society Pune Chapter, IEEE Affordable Healthcare Lab - SOC & IEEE Pune Section
119	Mrs. Supriya A. Vaishnav	FDP	Deep Brain Stimulation for Parkinson's Disease	From 27th July 2023	School of Computing in association with IEEE Engineering in Medicine & Biology Society Pune Chapter
120	Mrs. Supriya A. Vaishnav	FDP	VLSI to system design: Silicon to End Application Approach	From 31 July 2023 to 4 th Aug 2023	AICTE
121	Mrs. Supriya A. Vaishnav	Seminar	"Simulation Methods to Improve the Electromagnetic Properties of Electric Vehicles"	23-Aug-23	IEEE IISc MTT/AP-S Student Branch Chapter, in association with IEEE EPS Bangalore Section
122	Mrs. Supriya A. Vaishnav	FDP	Cloud Infrastructure(AWS)	21st to 25 August 2023	AISSMS INSTITUTE OF INFORMATION TECHNOLOGY, PUNE
123	Mrs. Supriya A. Vaishnav	Workshop	Explainable AI for signal and image processing	4th to 9th Dec 2023	PCCOE
124	Mrs. Supriya A. Vaishnav	Workshop	Universal Human Values	10th to 15th July 2023	All India Council for Technical Education (AICTE)
125	Mrs. Supriya A. Vaishnav	webinar	'Applications of Natural Language Processing'	7th October 2023	Prof. Ramprasad Joshi, Associate Professor, BITS Pilani, Goa.
126	Mrs. Supriya A. Vaishnav	IP Awareness/ Training program	National Intellectual Property Awareness Mission	8th September 2023	Intellectual Property Office, India
127	Mrs. Supriya A. Vaishnav	Workshop	Seasonal School on Revolutionary Solutions for Biomedical signals and image analysis using AI 2023	1st to 5th august 2023	IEEE SPS Gujrat Chapter
128	Mrs. Supriya A. Vaishnav	Workshop	Navigating the research article publications landscape from writing to publishing; mastering the academic journey of research.	14 to 16 March 2024	Pimpri Chinchwad college of Engineering, Pune
129	Shweta S Devdas	Workshop	Explainable AI For Signal And Image Processing	4th -9th Dec 2023	Pimpri Chinchwad College of Engg Pune
130	Shweta S Devdas	Workshop	Recent Trends in AI & Data Science	24th-28th July 2023	Sinhgad College of Engineering Pune,
131	Shweta S Devdas	ATAL FDP	Emerging trends in Semiconductors	15th-20th Jan 2024	Pimpri Chinchwad College of Engg Pune

132	Shweta S Devdas	Workshop	Recent Advances and Challenges Electric Vehicles	21th-25th Aug 2023	K J COLLEGE OF ENGINEERING AND MANAGEMENT RESEARCH
133	Shweta S Devdas	FDP	Generative AI	4-9Feb 2024	D Y Patil College of Engg Pune
134	Shweta S Devdas	STTP	Future Trends in 5G & 6G : Challenges, Architecture & Applications	16-20th Aug 2023	K J College of Engineering , Pune
135	Shweta S Devdas	Workshop	Cloud Infrastrcture AWS	21st -25th Aug 2023	AISSMS INSTITUTE OF INFORMATION TECHNOLOGY, PUNE
136	Shweta S Devdas	FDP	Rise of Quantum Computing:A new era of VLSI Design	24th-28th July 2023	Pimpri Chinchwad College of Engg Pune
137	Dr Rashmi Patil	ATAL FDP	Emerging trends in Semiconductors	15/01/2024 to 20/01/2024	Pimpri Chinchwad college of Engineering, Pune
138	Dr Rashmi Patil	Workshop	3rd One Week Workshop on VLSI Device, Circuit and System Design Tools	27th June to 3rd July, 2023	School of Electronics Engineering (SENSE), VIT-AP University, Amaravati (AP)
139	Dr Rashmi Patil	Seminar	“Exploring the Latest Breakthroughs in Analog & RF IC	July 19, 2023	Online
140	Dr Rashmi Patil	FDP	Advances in 5G and Next generation networks	26/6/23 to 30/6/23	SIT,Pune & YCOE,Nagpur
141	Mr. P. N. Maldhure	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
142	Mrs.Kalpana Patil	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	20/02/2024 to 4/03/2024	UGC -Malaviya Mission Teacher Training Centre SPPU, Pune
143	Mrs.Kalpana Patil	FDP	Universal Human Values	15/3/2024 to17/3/2024	PCCOE, Pune
144	Mrs.Kalpana Patil	STTP	Exploring Recent trends in Data Science using IoT	23rd June to 1st July,2023.	Thakur College of enginnering ,Mumbai.
145	Mrs.Kalpana Patil	FDP	Rise of Quantum Computing:A new era for VLSI Design	24th July to 28th July,2023.	PCCOE
146	Mrs.Kalpana Patil	FDP	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	20/02/2024 to 4/03/2024	UGC -Malaviya Mission Teacher Training Centre SPPU, Pune
147	Mrs.Kalpana Patil	Seminar	Exploring the latest Breakthrough in analog & RF IC Research	19/7/2023	IEEE-IISc VLSI Chapter
148	Mrs. Pranjal Jog	FDP	NEP 2020 Orientation & Sensitization	13/03/2024 to 26/3/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune

					University
149	Mrs. Pranjal Jog	Workshop	Leveraging Insights for Effective Implementation of NEP in Computer Engineering	11/03/2024 to 15/03/2024	Online by PCCoE,Pune.
150	Mrs. Pranjal Jog	STTP	Smart Facts controller in Power transmission and distribution	18/12/2023 To 22/12/2023	GHRaisoni,COE, Nagpur
151	Mrs.Suwarna Shete	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
152	Mrs. Puja Pohakar	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 To 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
153	Mrs. Puja Pohakar	FDP	Recent trends in Renewable Energy Systems	3/10/2023 to 9/10/2023	JSPM's Rajarshi Shahu College of Engineering
154	Mrs. Puja Pohakar	Training Programme (CBP)	Labview programming & hardware interface	23/6/2023 to 1/07/2023	IEEE Bombay section
155	Mrs. Puja Pohakar	FDP	Innovation Research & IPR -Journey towards excellence	1/3/23 to 5/3/23	BVB's sardar patel college of engg.mumbai
156	Ms. Ashwini Deshpande	STTP	Smart Facts controller in Power transmission and distribution	18/12/2023 To 22/12/2023	GHRaisoni,COE, Nagpur
157	Ms. Ashwini Deshpande	Training Programme (CBP)	Labview programming & hardware interface	23/6/2023 to 1/07/2023	IEEE Bombay section
158	Ms. Ashwini Deshpande	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 to 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC - Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
159	Ms. Samruddhi Shaha	FDP	NEP 2020 Orientation & Sensitization	01/02/2024 to 14/02/2024	ONLINE by Malaviya Mission Teacher Training Programme (MM-TTP)” of University Grants Commission (UGC) Organized by UGC -

					Malaviya Mission Teacher Training Centre (Formerly UGC- Human Resource Development Centre) Savitribai Phule Pune University
160	Ms. Samruddhi Shaha	Workshop	Navigating the research article publications landscape from writing to publishing	14/03/2024 to 16/03/2024	Online by PCCoE,Pune.
161	Ms. Samruddhi Shaha	STTP	Smart Facts controller in Power transmission and distribution	18/12/2023 To 22/12/2023	GHRaisoni,COE, Nagpur

MOUs Signed

Name of Company/Institute	Krishna ans Shaurashtri Associates LLP
Type of collaboration	MOU at Institute level
Effective from AY	2023-2024
Collaboration from date	01/04/2024
Description	Patent filling/training
Faculty Coordinator	Prof. Ajay Gadhe

Research Proposals Submitted

Sr. No.	Project Title	Funding Agency	Scheme	Duration in Years	Total Cost	Date of submission
1	Flood Prediction in Mumbai region with Deep Learning Model	PCCOE	SIRO	2 Years	4,97,234	12/10/2023
2	Accurate Flood Prediction in the Mumbai Region Using an Integration of Different Dataset with Deep Learning Model	SERB	Power Grant	3 years	29,98,279	31/1/2024

Patents Filed/Granted

Sr. No.	Name of the Applicant/s (Faculty + Students)	Patent Title	Application Number	Status
1	PCCOE, Dr. J.S.Kulkarni, Dr. M.T.Kolte,Mr. S.S.Ayane, Dr. K.S.Kinage,Mr. K.B.Kotangale,Mrs. A.S.Pawar, Mrs. S.M.Dhawale,Mrs. S.V.Patil	Wireless Digital Stethoscope With An Integrated Bluetooth	202421011211	Filed 17/02/2024 Published

2	PCCOE, Mr.S.S.Ayane, Mr. Swaraj Pashanka, Shubham Dhulugade, Nikhil Ravindra Patil, Janardhan Raut, Jyoti S.Kulkarni,Harshal N. Nimje	A PORTABLE TEA CUP WASHING Machine	202421011939	Filed 20/02/2024 Published
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Faculty Journal Publications:

Sr. No.	Journal type	Title	Author	Journal details	Date of Publication	DOI
1	Scopus Q3, SCI	Artificial Intelligence-Based Field-Programmable Gate Array Accelerator for Electric Vehicles Battery Management System	Satyashil Nagarale, B P Patil	SAE International Journal of Connected and Automated Vehicles	Jan-24	DOI: https://doi.org/10.4271/12-07-03-0016
2	Scopus Q4	Design and development of a Formula Student electric racecar's control system	Suvarna Kadam, Aman Gaonkar, Pranav Kolte, Chirag Kharche, Dr. Sheetal Bhandari, Pramod Sonawane, Prakash Sontakke, Nilesh Gaikwad and Manish Narkhede	International Journal of Vehicle Systems Modelling and Testing	February 20, 2024	https://doi.org/10.1504/IJV SMT.2024.136759
3	SCIE, WoS, Scopus-Q1	Intelligent Integrated Circuits and Systems for 5G/6G Telecommunications	Suvarna kadam, Dr. Sheetal Bhandari	IEEE Access	February 2, 2024	doi: 10.1109/ACCESS.2024.3361656
4	Scopus Q4, WoS	GPU-based video-processing traffic signals for high-density vehicle areas	Suvarna kadam, Dr. Sheetal Bhandari, Prakash Sontakke and Sonali Sawant	International Journal of Signal and Imaging Systems Engineering,	July 15, 2024	https://doi.org/10.1504/IJSE.2024.139977
5	SCIE, WoS, Q3	Enhanced Hearing Aid Performance with an African Buffalo Optimization-Based Frequency Response Masking Filter	Anjali Shrivastav, Dr. Sheetal Bhandari, Dr. Mahesh Kolte	Traitement du Signal	February 29, 2024	https://doi.org/10.18280/ts.410104
6	Scopus Q3	Comparative Analysis of Machine Learning Techniques for Detecting Credit Card Fraud	Dr. Rajani P. K., Roshan Mathew, Atharva Walawalkar, Prathmesh Patil, Ujwal Shirode, Ajay Gadhe	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)(Q3)	Mar-24	https://ijisae.org/index.php/IJISAE/article/view/5232
7	Scopus Q3	Dynamic Range Compression FRM Filter for Hearing Aid with Multiband Adaptability	Anjali Shrivastav, Sheetal Bhandari, Mahesh Kolte	International Journal of Intelligent Systems and Applications in Engineering	07_01_2024	https://ijisae.org/index.php/IJISAE/article/view/4375
8	Scopus Q3	Autonomous Differential Drive Mobile Robot Navigation with SLAM, AMCL using ROS	R S. Pol, V N. Aher, S V. Gaikwad, D G. Bhalke, A Y Borkar, Dr. Mahesh T. Kolte	International Journal of Intelligent Systems and Applications in Engineering	24/11/2023	https://ijisae.org/index.php/IJISAE/article/view/3820
9	Scopus-	Smart Inventory	V N. Aher, R S. Pol, S	International Journal	10/11/23	https://www.i

	Q4	System using IoT and Cloud Technology	V. Gaikwad, D G Bhalke, A Y Borkar, Dr. Mahesh T. Kolte	of Intelligent Systems and Applications in Engineering		jisaee.org/index.php/IJISAE/article/view/3766
10	Scopus Q3	Power-Efficient Reconfigurable FRM Filter-Bank using Brent Kung Adder for Hearing Aids	Anjali Shrivastav, Sheetal Bhandari, Mahesh Kolte, Paras Mahajan	International Journal of Intelligent Systems and Applications in Engineering	27/10/23	https://ijisae.org/index.php/IJISAE/article/view/3567
11	Q3	Photovoltaic Fuzzy - Mppt Based Smart Battery Charger For Low Power Applications	Aarti S.Pawar, Nilkanth B.Chopade, Mahesh T.Kolte, Hrishikesh Mehta	International Journal Of Intelligent Systems And Applications In Engineering	27_10_2023	https://ijisae.org/index.php/IJISAE/article/view/3566
12	SCI-Q1	Fraud detection and prevention by face recognition with and without mask for banking application	Rajani P.K, Arti Khaparde, Varsha S. Bendre, Jayashree Katti	Multimedia Tools and Applications (Scopus-Q1-SCI)	03-04-2024	https://doi.org/10.1007/s11042-024-19021-1
13	Scopus-Q4	Machine Learning Based Assistance to Healthcare Professionals in Disease Prediction and Classification Using Basic Patient Profile	Prachi Palsodkar, Deepti Khurge, Ashish Bhagat, Prasanna Palsodkar, P.K. Rajani, Varsha Bendre	SSRG International Journal of Electrical and Electronics Engineering	April 2024	https://doi.org/10.14445/23488379/IJEE-E-V11I4P115
14	SCI, Scopus Q1	Adam teaching learning optimization enabled LeNet for autism spectrum disorder detection using brain MRI	Bhandari, S.	Biomedical Signal Processing and Control	April 2024	https://doi.org/10.1016/j.bspc.2023.105864
15	SCI, Scopus Q2	Parametric optimization of SiGe S/D NT JLFET using analytical modeling to improve L-BTBT induced GIDL	Bhandari, S.	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	Feb 2024	https://doi.org/10.1002/jnm.3217
16	SCi, Scopus Q2	Spacer engineering on multi-channel FinFET for advanced wireless applications	Bhandari, S.	AEU - International Journal of Electronics and Communications	May 2024	https://doi.org/10.1016/j.aeue.2024.155298
17	SCIE	Autism spectrum disorder detection using parallel deep convolution neural network and generative adversarial networks	Bhandari, S.	Traitement du Signal	April 1, 2024	https://doi.org/10.18280/ts.410208
18	SCIE, SCOPUS	A Reliability and Risk Assessment of Solar Photovoltaic Panels Using a Failure Mode and Effects Analysis Approach: A Case Study	Bhandari, S.	Sustainability	May 2024	https://doi.org/10.3390/su16104183
19	SCIE, Q2	Comparative Analysis of Symmetrical/Asymmetrical Vertical Electrolyte-Insulated Semiconductor Tunnel FET for pH Sensor Application	Bhandari, S.	Phys. Status Solidi A	July 2024	https://doi.org/10.1002/pssa.202400093
20	ESCI, Q2	Accelerating AI-based Battery Management System's SOC & SOH	Satyashil Nagarale, B P Patil	Applied Computational Intelligence and Soft	Jun-23	https://doi.org/10.1155/2023/2060808

		on FPGA		Computing		
21	(ESCI) Q3	Hybrid DNN-BiLSTM-aided intrusion detection and trust-clustering and routing-based intrusion prevention system in VANET	Prakash Sontakke, Dr. Nilkanth Chopade	Journal of Control and Decision	13_07_2023	https://doi.org/10.1080/23307706.2023.2212684
22	Q4	Enhancement of Speech for Hearing Aid Applications Integrating Adaptive Compressive Sensing with Noise Estimation Based Adaptive Gain	Mr. Hrishikesh B. Vanjari , Dr. Sheetal U. Bhandari Dr. Mahesh T. Kolte	International Journal of Intelligent Systems and Applications in Engineering	01_07_2023	https://ijisae.org/index.php/IJISAE/article/view/2941
23	Q3	Aquila Based Adaptive Filtering for Hearing Aid with Optimized Performance	Ujjwala S Rawandale, Sanjay R Ganorkar, Mahesh T Kolte	International Journal of Intelligent Engineering & Systems	30/06/2023	DOI: 10.22266/ijies2023.0630.12
24		An Efficient Investigation and Machine Learning-Based Prediction of Decolorization of Wastewater by Using Zeolite Catalyst in Electro-Fenton eaction	Ujwal R. Shirode	Catalysts	Jul-23	https://doi.org/10.3390/cata113071085
25	Q3	Nanosheet FET Device and Circuit Aspects for Future Technology Nodes	Sheetal Bhandari	ECS Journal of Solid State Science and Technology	Aug-23	DOI 10.1149/2162-8777/acec9a
26	Q2	Highly sensitive N+ pocket doped vertical tunnel FET biosensor with wide range work function modulation gate electrodes	Sheetal Bhandari	Materials Science and Engineering: B	Aug-23	https://doi.org/10.1016/j.mseb.2023.116730
27	Q4 SCOPUS	AI BASED VERTICAL HYDROPIC SYSTEM : A SURVEY	Archana Bhamare	China Petroleum Processing and Petrochemical Technology	Aug-23	https://zgsgygyshgjs.cn/index.php/eric/article/view/2468.html
28	Q4 SCOPUS	A Case Study of Virtual Assistant and Effective Implementation for Assisting the Farmers	Mrunalini Bhandarkar	China Petroleum Processing and Petrochemical Technology	Aug-23	https://zgsgygyshgjs.cn/index.php/eric/article/view/2448.html
29	Q4	Covid-19 Detection For CT-scan Images Using Transfer Learning Models	Pratham Patil, Dr. Rajani P. K, Karishma Salunkhe, Hitesh Patil, Rugved Kulkarni	International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)	Aug-23	https://doi.org/10.17762/ijritcc.v11i8s.7251
30	Q4	Heart Disease Prediction using different Machine Learning Algorithms	Dr.Rajani P.K, Kalyani Patil, Bhagyashree Marathe, Prerna Mhaisane, Atharva Tundalwar	International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)	Aug-23	https://doi.org/10.17762/ijritcc.v11i9s.7430
31	Q4	Comparison of Classification Algorithm for Crop Decision based on Environmental Factors using Machine Learning	Guruprasad Deshpande,Rajani P.K, Vishal Khandagle,Jayesh Kolhe	International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)	Aug-23	https://doi.org/10.17762/ijritcc.v11i9s.7431

32	Q4 Scopus	IoT Based Smart Glasses with Facial Recognition for People with Visual Impairments	Mrs Ashwini A Deshpande	SSRG International Journal of Electrical and Electronics Engineering	Sept_2023	
33	SCIE	A Modified Technique of Hybrid Multiobjective Genetic Algorithm for Image Fusion	Dr. Jyoti S. Kulkarni, Dr. R.S. Bichkar	The International Arab Journal of Information Technology	Sep-23	10.34028/iajit
34	Q3/ESCI	FER to FFR: A Deep-Learning based Approach for Robust Fatigue Detection	Sheetal U. Bhandari, Rachana Yogesh Patil, Yogesh H. Patil	International Journal of Computer Applications in Technology	Sep-23	DOI: https://doi.org/10.1504/IJCAT.2023.133292
35	Q4	Classification of Chest X-ray Images using CNN for Medical Decision Support System	Garud, P., Patel, G., Kadlag, N., Bhandari, S., & Patil, R. Y	International Journal on Recent and Innovation Trends in Computing and Communication	Aug-23	https://doi.org/10.17762/ijritcc.v11i8s.7193
36	Q4 Scopus	IoT-Based Low-Cost Soil Moisture and Soil Temperature Monitoring System	P.K. Rajani, Guruprasad Deshpande, Mangesh Goswami, Jayesh Kolhe, Vishal Khandagale, Milind Mujumdar, Bhupendra Bahadur Singh	SSRG International Journal of Electrical and Electronics Engineering	Oct-23	https://www.internationaljournalssrg.org/IJEEE/paper-details?Id=591
37	SCI Q2	Dielectric modulated organic thin film transistor trench biosensor for label-free detection: Modeling and simulation analysis	Bhandari S, Dhamale T D, Kawade R K, Dhake D N, Wadhwa G.	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields.	Nov-23	https://doi.org/10.1002/jnm.3186
38	Q4 Scopus	Fusion of Features: A Technique to Improve Autism Spectrum Disorder Detection Using Brain MRI Images	Dhamale T. D, Bhandari S. U, Harpale V. K	Biomedical and Pharmacology Journal	Nov-23	https://bit.ly/3SCf3S
39	Q3/ESCI	Ensemble Divergence Free Maximum Power Point Tracking Technique Under The Influence Of Partial Shading For Photovoltaic System	Aarti S.Pawar ,Nilkanth B.Chopade ,Mahesh T.Kolte,Hrishikesh Mehta	Eur. Chem. Bull. 2023,12(12), 1662-1679, doi: 10.48047/ecb/2023.12.12.1092023.12/09/2023	Sept. 2023	doi: 10.48047/ecb/2023.12.12.1092023.12/09/2023
40	ESCI	Alzheimer's Disease Detection Model Using Rotation Invariant DTCWT Features and Recurrent Neural Network With a Combination of LSTM and GRU	Dr. Varsha Bendre	Communications in Mathematics and Applications	18_10_2023	10.26713/cm.a.v14i3.2457
41	Scopus Q3	Real-Time Detection of Vulnerable Road Users Using a Lightweight Object Detection Model	Manish M. Narkhede & Nilkanth B. Chopade	International Journal of Intelligent Systems and Applications in Engineering	25.12.2023	https://ijisae.org/index.php/IJISAE/article/view/4228
42	ESCI, WoS	Performance Improvement in Speech Based Emotion Recognition With DWT and ANOVA	Ashwini Shinde, Vaishali Patil	Communications in Mathematics and Applications	18_10_2023	https://doi.org/10.26713/cm.a.v14i3.2389

43	Q4 Scopus	Performance Analysis of Object Detection and Tracking Methodology for Video Synopsis	Swati Jagtap and N.B. Chopade	International Journal of Signal and Imaging Systems Engineering	January 2024	DOI : 10.1504/IJSISE. 2024. 10060320
44	Q3	Object-based Image Retrieval and Detection for Surveillance Video	Swati Jagtap and N.B. Chopade	International Journal of Electrical and Computer Engineering (IJECE)	August 2024	http://doi.org/10.11591/ijec.e.v14i4.pp4343-4351
45	Q4 Scopus	Enhancing Big data clustering: The improved K-means - Artificial Bee Colony Algorithm MapReduce	SS Banait, Mr.M. E.Maniyar, Mr.A.L.Rane, Dr. Rajani P. K., Dr.Jyoti.S.Kulkarni, Mr.S.S.Ayane	Panamerican Mathematical Journal	15-09-2023	https://internationalpubs.com/index.php/pmj/article/view/885
46	Scopus Q3	A Review on 5G Antenna: Challenges and Parameter Enhancement Techniques	Mrs. Swati Patil, Dr. V.N. Patil	International Journal of Electrical and Electronics Research	31_05_2024	https://ijisae.org/index.php/IJISAE/article/view/6843
47	Scopus Q2	Global Self-Attention Module based Convolutional Neural Network for Brain Tumor Classification	Varsha Bendre	International Journal of Intelligent Engineering and Systems	April_may 2024	
48	WoS	Classification of Mango Leaf Disease using Machine Learning to Enhance Yield Productivity	Varsha Bendre	Journal of Electrical Systems	April_2024	
49	WoS ESCI	Investigating the Impact of Technology Scaling on Stability Performance of Sub-threshold Static Random Access Memory Bitcell Topologies	Ajjay S Gaadhe	Journal of Electrical Systems	March_2024	
50	WoS ESCI	Estimation of Electric Vehicle Parameters Using Web Portal	Kishor Kinage	TELEMATIQUE		

Faculty Conference Publications:

Sr.No.	Title of the Paper	Name of the Authors	Name of Conference	Date
1	FPGA Based Hardware Accelerator for Bio-Informatics Applications	Akash Kate; Deepti Khurje	2023 3rd Asian Conference on Innovation in Technology (ASIANCON)	25-27 August 2023
2	Edge Computing	Talekar Mayuri, Jyoti Kulkarni	ICRAECA 2023	July_2023
3	Analysis of Fitness Monitoring parameters for diabetic patients during Yoga and Meditation	Dr. Varsha Harpale	Global Conference on sustainableand futurastic Technologies 2023	14-15 Dec 2023
4	Controlling Mouse Movement Using Hand Gestures and Voice Commands	Prachi Palsodkar; Kaustubh Srivastava; Mahi Fulzele; Deepti Khurje	4th International Conference for Emerging Technology (INCET)	26-28 May 2023
5	An Overview of Design and Implementation of Various Ordered Statistical Methods for Target Detection in RADAR	Rane Munali, Bendre Varsha, Sor Ravindra	2023 7th International Conference On Computing, Communication, Control And Automation	18-19 August 2023

			(ICCUBEA)	
6	An Overview of Various Approaches for Automated Skin Diseases Prognosis	Meghana Supe; Varsha Bendre	2023 7th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	18-19 August 2023
7	Attention U-Net for Low Light Image Enhancement	Sreenidhi Bendre; Shovin Kaul; Shubhodiya Ghosh; Sneha Pujari; Deepa Mahajan; Varsha Bendre	2023 7th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	18-19 August 2023
8	Cardiac arrhythmia detection using convolutional neural network	M. Supe; S. Pujari; V. Bendre; M. Kolte	International Conference on Computer Vision and Internet of Things 2023	07-08 December 2023
9	Image enhancement by cascading of filters for noise reduction	Kalpna Patil; Varsha Bendre	International Conference on Computer Vision and Internet of Things 2023	07-08 December 2023
10	Arrhythmia classification using various machine learning algorithms	J. K. Hirani, Varsha Bendre	International Conference on Computer Vision and Internet of Things 2023	07-08 December 2023
11	"Sign Language Talk" using Machine Learning	Pushkar Mahajan, Vaishnavi Mali, Darshan Khope, Rajani P.K	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
12	Review of Flood Prediction Techniques used in Mumbai Region	Sunil Kamlesh Khatri,Rajani P.K	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
13	Performance Evaluation of Various Risk Importance Measures for Large Scale Grid-Connected Solar Photovoltaic Systems	Pramod R. Sonawane, Dr. Sheetal U. Bhandari, Dr. Rajkumar B.Patil	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
14	A comprehensive survey on Image Filtering and Inpainting for improved image quality	Kalpna Patil; Varsha Bendre	21st IEEE OITS International Conference On Information Technology (OCIT 2023)	Dec_2023
15	Expeditious Detection of Diabetic Ret inopathy Using ResNet 50 CNN Algorithm	Shweta Devdas, Mrs Archana Bhamare, Dr Rashmi Patil, Aditi Bandawar, Abhay Ahirkar, Abhay Ahirkar	3rd International Conference on Advancement in Electronics & Communication Engineering (Technically Sponsored by IEEE)	Nov 23-24
16	An Analysis of Temperature Variant System for SOC and SOH Estimation of Battery Management System	Dr Rashmi Patil,Dr Ajay Kalmegh	3rd International Conference on Advancement in Electronics & Communication Engineering (Technically Sponsored by IEEE)	Nov 23-24
17	A Data-Driven Approach Using LSTM for SoC Estimation in Electric Vehicle Battery Systems	Manish M. Narkhede, Satyashil Nagarale, Nilkanth B. Chopade, B. P. Patil	21st OITS International Conference on Information Technology OCIT, 2023, NIT Raipur	Dec_2023
18	Autonomous Mobile Robot Base: Cost effective solution for research and education applications	Faizaan G Sayyad, S Salunke, Swapnil M Inamdar, Siddharth V, Atharva R Bhorpe, Dr. Mahesh T Kolte	AIR '23: Proceedings of the 2023, 6th International Conference on Advances in Robotics	July_2023
19	An IoT-Enabled Smart Helmet for Health Monitoring and Location Tracking of Miners	Sakshi Sagare, Sakshi Patil, Srushti Choudhari, Prakash Sontakke, Taniya Bhattacharjee	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA) 2023	18-19 August 2023
20	Realization of improvements to	H. B. Vanjari, S. U.	2023 14th International	July_2023

	compressive sensing based speech enhancement for hearing aid applications	Bhandari and M. T. Kolte	Conference on Computing Communication and Networking Technologies (ICCCNT),	
21	IoT Based Real-Time Human Physiological Parameters Monitoring and Early Detection with Alert System	Ashok Suryawanshi, Mrunalini Bhandarkar, Swapnil Ayane, Aarati Pawar, Nilkanth Chopade, Mahesh Kolte	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
22	Stock Price Prediction Using Machine Learning	Prajakta Gosavi , Shreya Deshpande , Pradnya Deore , Mrunalini Bhandarkar , Dr. M. T Kolte	International Conference on Communications, Computing & Data Science (IC-CCDS 2024)	Feb 2024
23	WATER FLOW CONTROL SYSTEM FOR DOMESTIC FILTER	Prajakta Gosavi , Shreya Deshpande , Pradnya Deore , Mrunalini Bhandarkar , Dr. M. T Kolte, Dr. N. B Chopade	International Conference on Communications, Computing & Data Science (IC-CCDS 2024)	Feb 2024
24	Object Detection, Tracking, and Prediction Analysis System for Sports Performance and Coaching	Jagtap, S., Chopade, N.B., Deshmukh, V., Dhavale, K., Hange, P.	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	
25	Face Recognition for Industrial Shop Floor Access Control	Jagtap, S., Kamthe, V., Endait, A., ...Khalkar, S., Chopade, N.B.	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
26	Hybridization Unleashed: Advancing Movie Recommendations Through Collaborative, Content Based and Hybrid Filtering	N. Sharma, A. Vaidya, S. Borate, A. Shinde, D. Khurge and S. Tade	2023 IEEE Pune Section International Conference (PuneCon), Pune, India, 2023	Dec 2023
27	Reinforced Grey Wolf Optimization Based Maximum Power Point Tracking Algorithm for Photovoltaic Systems Under Varying Irradiation Conditions	D. Pawar, P. Pawar, R. Patil, A. S. Pawar, A. B. Patil and N. B. Chopade	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
28	CI-CD Workflow For Embedded System Design	Mayuri Talekar ; Varsha K. Harpale	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
29	Enhanced Health Care monitoring for Elderly Peopole	Pranav Tilak, Rishabh Sharma, Ayush Kamble, Pratiksha Kadam, Varsha K. Harpale	National Conference on Recent Technologies and Innovation in Electronics and Photonis 2024	9th and 10th Feb 2024
30	Design of Spin-FET Electrical Model for Basic Gates	P. J. Rajput, S. U. Bhandari and D. Khurge	IEEE 4th International Conference on VLSI Systems, Architecture, Technology and Applications (VLSI SATA), Bangalore, India	17-18 May 2024
31	Mathematical Validation of 100nm n-MOSFET using Silvaco TCAD	P. J. Rajput and S. U. Bhandari	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA), Pune, India, 2023	18-19 August 2023
32	Generative Adversarial Network based Brain MRI Data Augmentation	T. D. Dhamale and S. U. Bhandari	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA), Pune, India, 2023	18-19 August 2023

33	Object Detection, Tracking, and Prediction Analysis System for Sports Performance and Coaching	Swati Jagtap and N.B. Chopade	7th International Conference On Computing, Communication, Control And Automation, ICCUBEA 2023	18-19 August 2023
34	Face Recognition for Industrial Shop Floor Access Control	S. Jagtap, V. Kamthe, A. Endait, V. Barhate, S. Khalkar and N. B. Chopade	7th International Conference On Computing, Communication, Control And Automation, ICCUBEA 2023	18-19 August 2023
35	Performance Analysis of Fruit Quality Detection Using Computer Vision and Object Detection	Kartik Deshmukh; Rutvi Kasture; Swapnil Bhoite; S.L. Tade; S.A. Vaishnav	2023 7th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	18-19 August 2023
36	Applications and Challenges of Machine Learning Techniques for Smart Manufacturing in Industry 4.0	Kartik Kolhe, Avinash A Somatkar, Mrunalini S Bhandarkar, Kapil B Kotangale, Swapnil S Ayane, Sonal I Shirke	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
37	Design and Performance Evaluation of a Non-Volatile Hybrid 6T-4MTJ SRAM Bit Cell for Enhanced Power and Stability in 32-Nanometer Technology	Ujwal R Shirode, RD Kanphade, Ajjay S Gaadhe, Swapni S Ayane	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
38	Electricity Billing and Consumption Prediction using Machine Learning	Mrunalini Bhandarkar; Ashok Suryawanshi; Seema Deoghare; Nikhil Isaac; Ajinkya Hegu; Piyush Wankhede	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
39	An Interactive Interface for Plant Disease Prediction and Remedy Recommendation	Mrunalini Bhandarkar, Dr. Basudha Dewan, Dr.Payal Bansal	13th International Advanced Computing Conference on 15th & 16th December, 2023	Dec 2023
40	Solar Based Multi-Tasking Agri-Robo	Rathod, S., Vedpathak, T., Pednekar, S., Bhamare, A.	2023 7th International Conference On Computing, Communication, Control And Automation, ICCUBEA 2023	18-19 August 2023
41	Automated Attendance Tracking and Wage Management System Using IRIS Detection	Harsh D.Joshi,Aditya Kakhandaki,Kimaya Pawar,Seema U.Deoghare	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
42	Analyzing Convolutional Neural Networks as feature extractors for Video Regression	S. Jain, R. Ghotekar, A. Dawande, A. Pawar, A. W. Ingle and V. M. Marathe	7th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2023)	18-19 August 2023
43	Fault Diagnosis and State of Charge Estimation of Battery for Electric Vehicle Applications	Suwarna Shete, Pranjal Jog, R. K. Kumawat	2023 3rd International Conference on Energy, Power and Electrical Engineering (EPEE)	Sept 2023
44	A parametric based approach to Wireless Power Transfer with Inductive Coupling	Pranjal Jog, , Suwarna Shete,R. K. Kumawat,	2023 3rd International Conference on Energy, Power and Electrical Engineering (EPEE)	Sept 2023

Faculties Remarkable Achievements:

- **Dr. Varsha Harpale** received recognition in the **Faculty category** for her innovative work titled "**TI/PD for Embedded System**".
- The award was conferred by **KPIT Technologies** on **11th October 2022**, highlighting her contributions to the field of embedded systems.
- **Mrs. Vaishali Patil** and **Mr. P. V. Sonatakke** were acknowledged as **Mentors** for the project "**Smart City Water Management System**".
- This innovation was presented at the **Smart Indian Hackathon – 2022**, held from **25th to 29th August 2022**.
- These recognitions reflect the department's commitment to fostering innovation, guiding student teams, and contributing to real-world solutions.

Other Remarkable Achievements:

Sr. No	Name of Faculty	Achievement	Details
1	Dr. Varsha Harpale	EXCELLENCE SERVICE AWARD	In the International Research Awards on Science, Technology and Management 16th April 2023
2	Dr. Varsha Harpale	Best Performer 2022-23	PCCOE by Faculty Appraisal
3	Dr. Sheetal Bhandari	NEP- Best Practices	Selected to present Best NEP Practices and Delhi
4	Dr. Sheetal Bhandari	Fellowship	ITC India
5	Dr.Rajani.P.K	ProGRANT Proposal Writing for Research Grants	ProGRANT Proposal Writing for Research Grants: Practical-Oriented Trainings for New Researchers India 2023
6	Dr.V.S.Bendre	ProGRANT Proposal Writing for Research Grants	ProGRANT Proposal Writing for Research Grants: Practical-Oriented Trainings for New Researchers India 2023
7	Dr.D.S.Khurge	ProGRANT Proposal Writing for Research Grants	ProGRANT Proposal Writing for Research Grants: Practical-Oriented Trainings for New Researchers India 2023
8	Prof. Pramod Sonawane	Overall Winner of NSVC 2023 Competition	Faculty Advisor - Team Solarium of PCET's PCCoE Pune has become Overall Champion in National Solar Vehicle Challenge (NSVC 2023) competition, organized by Dynamist Motorsports India, held at VNIT Nagpur , during 5th October to 10th October 2023.
9	Dr. Sheetal Bhandari, Dr. M. T. Kolte	AICTE,ATAL-FDP sanctioned	ATAL-FDP, Emerging Trends in Semiconductors
10	Dr. M. T. Kolte	AICTE NCC-IP Regional coordinator for western region and Resource Person for Universal Human Values	Universal human Values
11	Dr.Rajani.P.K	Guided PhD Scholar Mr. Sunil Kamlesh Khatri for Avishkar - 2023 (A State level competition by SPPU) and won 1st Prize in Zonal competition	Topic"Flood Prediction in Mumbai Region "

12	Dr.Rajani.P.K	Director of Startup “ElectroLaxme Technology LLP	Product “Automatic Sanitary Napkin Vending Machine” along with Mr.Jayesh Kolhe, Mr.Guruprasad Deshpande& Mr.Vishal Khandagale . It is recognized as a start-up by the Department for Promotion of Industry by Government of India and Internal Trade which is working in ‘Social Impact’ Industry and ‘Corporate Social Responsibility’ sector from 19/01/2022 to 25/10/2031
13	Dr.Rajani.P.K	Guided Most Commendable Project in Kshitij - 2023, An Innovative Product Exhibition of Patentable Projects organized by PCCoE on 13/5/2023	CropIT: AI-Based Decision Support System Using Edge Computing (Project ID: KETE01)
14	Dr.Rajani.P.K	Guided Project in Kshitij - 2023, An Innovative Product Exhibition of Patentable Projects organized by PCCoE on 13/5/2023	Sign Language Talk Using Machine Learning (Project ID:KETE03)

Online Certifications:

Sn	Name of Faculty	Course Details	DATES	Duration/Hours	Course Name
1	Dr.Rajani.P.K	MATHWORKS	4/7/2023	1 day	Deep Learning Onramp
2	Dr.Rajani.P.K	MoE's Innovation Cell & AICTE	02-02-2024	30 Hours	Innovation Ambassador(IA)-Advanced Level
3	Swati Jagtap	NPTEL	Feb March 2024	4 weeks	Outcome Based Pedagogic Principles For Effective Teaching
4	Pramod Sonawane	MATHWORKS	19-Feb-24	1 day	Machine Learning Onramp Certificate
5	Pramod Sonawane	MATHWORKS	20-Feb-24	1 day	Solving Ordinary Differential Equations with MATLAB
6	Pramod Sonawane	MATHWORKS	17-Feb-24	1 day	Introduction to Linear Algebra with MATLAB
7	Sonali Sawant	NPTEL	Feb March 2024	4 weeks	Outcome Based Pedagogic Principles For Effective Teaching
8	Mr Ajjay S Gaadhe	vlsiforall	April-Sept 2023	4 weeks	Training on Physical Design
9	Archana Bhamare	NPTEL	Feb March 2024	4 weeks	Outcome Based Pedagogic Principles For Effective Teaching
10	Mrs. Vaishali Patil	Udemy	June 2023	2 days	Advanced Driver Assistance system
11	Mrs. Vaishali Patil	Great Learning	June 2023	1 day	AWS for beginners
12	Mrs. Vaishali Patil	Great Learning	June 2023	1 day	Python fundamentals for beginners
13	Mrs.Vaishali Patil	Udemy	3 March	11 Hours	Microsoft office complete course
14	Mrs. Supriya A. Vaishnav	MATHWORKS	03-02-2024	1 day	Machine Learning Onramp Certificate
15	Mrs. Supriya A. Vaishnav	MATHWORKS	04-02-2024	1 day	MATLAB onramp certificate-original
16	Mrs. Supriya A. Vaishnav	MATHWORKS	12/02/2024	1 day	Solving Ordinary Differential Equations with MATLAB
17	Mrs. Supriya A. Vaishnav	MATHWORKS	12-02-2024	1 day	Introduction to Linear Algebra with MATLAB
18	Shweta S Nagare	MATHWORKS	03-02-2024	1 day	Machine Learning Onramp Certificate
19	Shweta S Nagare	MATHWORKS	05/02/2024	1 day	Solving Ordinary Differential Equations with MATLAB
20	Shweta S Nagare	MATHWORKS	05-02-2024	1 day	Introduction to Linear Algebra with MATLAB
21	Kalpana Patil	MATHWORKS	February 1, 2024	1 day	Machine Learning Onramp Certificate

22	Kalpana Patil	MATHWORKS	2 february,2024	1 day	Introduction to Linear Algebra with MATLAB
23	Kalpana Patil	MATHWORKS	6 February	1 day	Solving Ordinary Differential Equations with MATLAB
24	Kalpana Patil	NPTEL	Jan-Feb 2024	4 weeks	Teaching & Learning in Engineering(TALE)
25	Mrs.Suvarna Kadam	NPTEL	July-Oct 2023	12 weeks	Microwave Engineering
26	Mrs, Sharda Dhavale	NPTEL	Jan-Feb 2024	4 weeks	Teaching & Learning in Engineering(TALE)
27	Mr.Prasad Maldhure	NPTEL	Jan-Feb 2024	4 weeks	Teaching & Learning in Engineering(TALE)
28	Ms. Samruddhi Shaha	NPTEL	Jan-Feb 2024	4 weeks	Teaching & Learning in Engineering(TALE)

TRAINING AND PLACEMENT

Placement Summary

Sr. No.	Name of Company	Package	Total No. of students placed in Company	Placement in core company	Final Placed
1	AAIS Global	4.2	1		1
2	Accenture	4.5	10		10
3	Acharya Academy	7	2	2	2
4	Acmegrade	4	2	2	2
5	Acuiti Labs	7	1	1	1
6	Ador Powertron	8	2	2	2
7	Barclays	13	1		1
8	Bitmappe, rElitmus	6	1	1	1
9	Bosch Chassis Systems	4.5	3	3	3
10	Capgemini	5.75	1		1
11	Capgemini	4.25	25		25
12	Cummins	8.15	1	1	1
13	Dassault Systemes	7.5	1		1
14	Digit	4.5	2		2
15	Elec Torq,Capgemini	4	1	1	1
16	Elitmus	6	1	1	1
17	EY India	6	1	1	1
18	Flash Electronics	3	1	1	1
19	HPE	5	3	3	3
20	IBM	4.5	1		1
21	ITC Infotech	4.25	5	5	5
22	Keyence	5.5	3		3
23	Kinetic Communications	2	1	1	1
24	KPIT	4.5	18	18	18
25	Newgen	4	2		2

26	Quantiphi,KPIT	4.5	1		1
27	Redlion Controls	9	1		1
28	RENESAS	11	1		1
29	Rudder Analytics	4.8	2	2	2
30	Sidel	5.5.	1		1
31	Square Yards	7	1		1
32	Tata Elxsi	3.5	2		2
33	TCS Digital	7	6		6
34	TCS Ninja	3.35	6		6
35	Dassault Systemes	7.5	1		1
36	Tech Mahindra	3.25	2		2
37	Tech Mahindra	4	1	1	1
38	Tejas Networks	10	1	1	1
39	Uno Minda,KPIT	4.5	1	1	1
40	Visteon	7	3	3	3
41	Vodafone Idea	4.5	1	1	1
42	Western Union	7	1		1
43	Worldline	6	1		1
44	Yazaki India	4	1		1
				Placement in core company = 52	Final Placed = 124

Internship Summary

Total students who got Internship opportunities: 245

Internship in the Industry with Stipend

Sr. No.	Student Name	Class	Division	Company
1.	Rutuja Kharche	BE	C	Persistent Systems Limited
2.	Sohel Naushad Shedbale	TE	B	Intership Studio
3.	Prátik Padmabhushan Shetti	TE	B	Internship Studio
4.	Ameya Deepak Nerkar	TE	B	Internship Studio
5.	Shruti Yogesh Bhavsar	TE	A	Emertxe Information Technologies, Bangalore.
6.	Shivsundar Bankar	TE	C	The Sparks Foundation
7.	Shraddha Kumbhar	BE	A	Cognizant
8.	Nikhil G Dahake	BE	B	Seagate Technology HDD India Pvt. Ltd
9.	Akash Biyani	BE	A	KNORR BREMSE
10.	Akansa Santosh Pawar	TE	B	EduSkills AWS Academy

Company wise Bifurcation of Internship

Sr.No.	Company	No of students
1	Eduskills AWS Academy	14
2	Lets Grow More	13
3	Persistent Systems Limited	11
4	Institute of Electrical and Electronics Engineers (IEEE)	10
5	TCR INNOVATION	10
6	The Sparks Foundation	9
7	Emertxe Information Technologies Bengaluru	5
	Total	72

STUDENT DEVELOPMENT AND WELFARE

Higher studies Cell

Sr. No	Activity	Day/Date	Resource Person/ Organization	Audience	No. of students attended
1	Higher studies guidance session	22/08/2023	Mr. Shekhar : Co-founder, The Bodhi Tree	SY, TY , Final Year	100+ (E&Tc)
2	Expert Session on Machine Learning and Image processing	11/09/2023	Dr. Sukhendu Das, Professor, Computer Science and Engineering Department, IIT Madras	SY, TY , Final Year	20+(E&Tc)
3	How to prepare GATE	11/10/2024	Mr. Aditya Shriniwas (M.Tech , IISC Banglore) ACE Academy	SY, TY , Final Year	15 + (E&TC)
4	An Awareness Programme on GATE EXAM	16/1/24 ,17/01/24	Mr. Paresh Gugale (GATE AIR-21) , PG NITIE, Mumbai Imperial Institute of Excellence I2E	SY E&TC	165+

EVENT WISE DETAILS

An Awareness Programme on GATE EXAM

Date:16/1/24 ,17/01/24

Coordinated by:Ms. Samrudhi Shaha



Higher studies guidance session

Date:22/08/2023

Coordinated by: Ms. Samrudhi Shaha



Professional Development Cell

Add-on course	Objective of the Add On Course	Conduction agency	Duration/Hrs	No. of students participant	Faculty In charge
PDT	1. To enhance the logical reasoning skills of the students and improve the problem-solving abilities. 2. To improve the overall professional development of students.	Aptitech	30	227	S.V.Patil

Entrepreneurship Development Cell

Session on Awareness of research and development among budding entrepreneurs

- ✓ Day & Date: 04, 11, 18 August 2023. (Fridays)
- ✓ Time Duration: 18 Hours
- ✓ Target Audience: Final Year UG Students.
- ✓ Attendance: 49
- ✓ Faculty Participants: Dr. Rajani P.K., Mr. U. R. Shirole, Mr. A.S. Gadhe, Mr. M. M. Narkhede,
- ✓ Coordinators: Mr. M. M. Narkhede

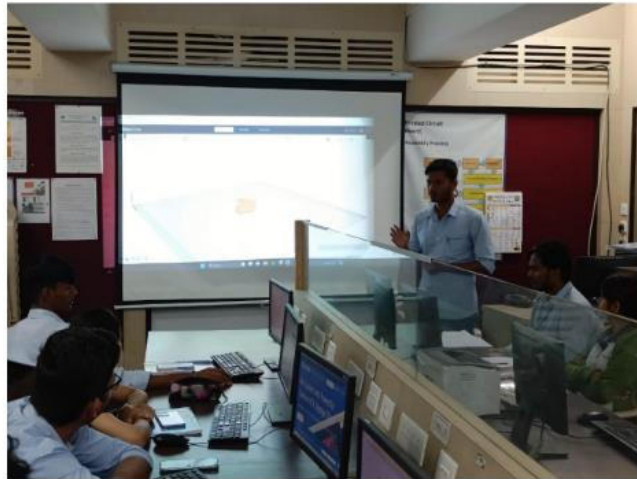


Hands-on Workshop on 3D Printing, Prototyping and Validation

- ✓ Program Theme: Session on "Innovation/Prototype Validation and Achieving Value Proposition Fit & Business Fit"
- ✓ Day & Date: 31/08/2023, Thursday
- ✓ Target Audience: UG Students
- ✓ Attendance: 38 + 03 eLeaders

✓ Resource Person:Experts in 3D Printing:• Mr. Kaushal Lawande,• Mr. Niranjn Pawar

✓ Coordinators:Mr. M. M. Narkhede



Surveillance Drone Building Workshop

✓ Start date of the event: 19/02/2024

✓ End date of the event: 24/02/2024

✓ No. of student participants: 40

✓ No. of Faculty participants: 05

✓ Event coordinators: Mrs. S.A. Patil,Mr. U. R. Shirode,Mr. P. R. Sonawane,Mr. M. M. Narkhede



National Service Scheme Cell

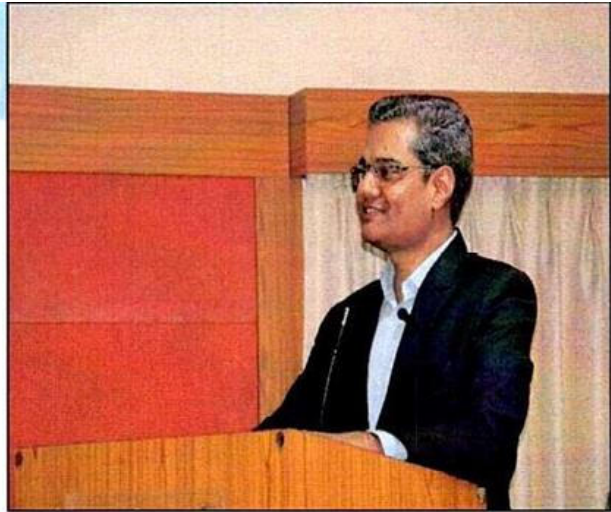
Sr. No.	Name of Activity	Date of Activity	No of People Benefited
1	ANIKA 2023 – Sex Education with Period Cramp Simulator	16 October 2023	280+
2	ANIKA 2023- Navdurga (Fashion Show)	19 October 2023	150+
3.	Durgved : Reviving History with Engineering Brilliance	6 & 7 Nov. 2023	1200+

EVENT WISE DETAILS

Name of the event: ANIKA 2023 – Sex Education with Period Cramp Simulator

Date: 16 October 2023

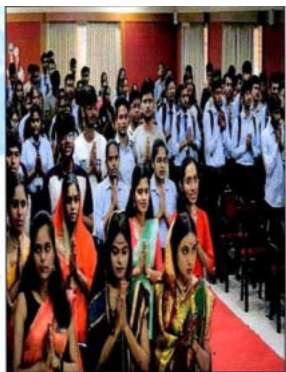
Coordinated by: Mr. Dinesh Kute & Mrs. S. A. Vaishnav



Name of the event: ANIKA 2023- Navdurga (Fashion Show)

Date: 19 October 2023

Coordinated by: Mrs. Madhuri Suryawanshi



Name of the event: Durgved : Reviving History with Engineering Brilliance

Date: 6 & 7 Nov. 2023

Coordinated by: Mr. Dinesh Kute



Art circle Cell

Sr. No.	Event Name	Date	Organized or coordinated By	No of Student Participants
1	Garba Workshop 2023 (for E&TC Students)	Friday, 13/10/2023	Mrs. Archana Bhamare and Student Coordinators	25
2	PCCOE Fitness Festival's Hasya Jatra: Laughter Galore!	Saturday, 14/10/2023	Mrs. Archana Bhamare and Student Coordinators	100+
3	Garba Workshop 2023 (for E&TC Faculty and staff)	Tuesday, 17/10/2023	Mrs. Archana Bhamare and Student Coordinators	15

4	PCCOE Champions Competition	Tuesday, 23/01/202 4	Mrs. Archana Bhamare and Student Coordinators	25
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Garba Workshop 2023(for E&TC Students)

On October 13th 2023, the Electronics and Telecommunication (EnTC) department Artcircle at Pimpri Chinchwad College of Engineering,organized a Garba workshop. The workshop commenced at 5:00 PM and concluded at 7:00 PM.The workshop was conducted by two student instructors from the EnTC department Tanvi Shimpi and Aarya Dabhadkar, who provided instruction on various Garba dance steps to all students.

PCCOE Fitness Festival's Hasya Jatra: Laughter Galore!

In a burst of laughter and merriment, the "Hasya Jatra" event took center stage on October 14, 2023. The event, part of the PCCOE Fitness Festival, unfolded in the architecture seminar hall from 10 AM to 12:30 PM, leaving attendees in splits.The star-studded affair featured renowned stand-up comedians Mr. Sanket Joshi and Mr. Akshay Joshi as esteemed guests.



Garba Workshop 2023(for E&TC Faculty and staff)

On October 17th 2023, the Electronics and Telecommunication (EnTC) department Artcircle at Pimpri Chinchwad College of Engineering,organized a Garba workshop. The workshop commenced at 4:30 PM and concluded at 6:00 PM.The workshop was conducted by student instructor from the EnTC department Aarya Dabhadkar, who provided instruction on various Garba dance steps to both faculty and staff.The response to the event was outstanding, with a total of 20 participants registering.



PCCOE Champions 2024

PCCoE Champions is an interdepartmental competition where student representatives from each department will compete against each other in a series of events. The department attaining the most points overall was declared as PCCoE Champions.



Institute Social Responsibility

Sr. No	Name of the activity	Duration/ Day & date	Name of the beneficiary	Numb of beneficiary	No of students involved from Department
1	Winter Clothes Donation	Monday, 6 Nov. 2023	Needy People	30 (Underprivileged)	6
2	Notebook Donation	Thursday 9 Nov. 2023	Needy People	10	6
3	Road Safety Awareness Drive	Monday, 1 st April 2024	PCCOE Engineering Students	107	22

EVENT WISE DETAILS

Name of the event: Winter Clothes Donation

Date: 6 Nov. 2023

Coordinated by: Mrs. S. A. Vaishnav

Student coordinators: Harshal Chavan, Parth Deshpande, Anurag Biradar, Snehal Chaudhari.



Name of the event: Notebook Donation

Date: 9 Nov. 2023

Coordinated by: Mrs. S. A. Vaishnav

Student coordinators: Harshal Chavan, Parth Deshpande, Anurag Biradar, Snehal Chaudhari.



Name of the event: Road Safety Awareness Drive

Date: 1st April 2024

Coordinated by: Mrs. Kavita Kolpe & Mrs. S. A. Vaishnav

Student Coordinators: Prajwal Lonari, Lubdha Shirode, Sujal Jadhao



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	ETSA-IETE and IEEE-SPS Induction Program	13th September 2023	Social/	228	Mr. Sahil Hemnani (Full stack Software Developer & machine learning enthusiasts)
2.	Seminar on 'Scope of Embedded Sytems' in association with Team Vector, India	22/08/2023	Technical	152	Mr. G. Satish (Vector India).
3.	"Try Engineering" Prerna High School, Nigdi Gyana Prabodhini School, Nigdi	1 9 2023 , 2 9 2023	Technical	70+ school Childern	Kishij Waze (TY,E&TC Student, Team Automaton Member) Yash Mohite, Tejas Bonde, Tushar Alande, Athrav Dusane IEEE SPS Office Bearers
4	Three days workshop on 'Industrial Fault Indication System with SMS alert using 8051 microcontroller'	23/08/2023 to 25/08/ 2023	Technical	76	Resouce Person from Vector, India.
5.	Case Study on Advanced Driver-Assistance Systems using CNN "	5/09/2023	Technical	12	Dr. Sanjay Talbar (Adjunct Professor, PCCOE PUNE)
6	Online and offline(Hybrid mode) Seminar on "Demonstration on Deep Learning model deployment on Raspberry Pi4"	14/10/2023	Technical	105	Kunal Khandelwal Application Engineer - MathWorks DesignTech Systems Pvt. Ltd.
7	2023 IEEE Signal Processing Society (SPS) Seasonal School on 'Explainable AI for Signal and Image Processing'	04/12/2023 to 09/12/2023	Technical	105 (15-IEEE members, 90 -Non IEEE members)	1.Dr. Vinayak Bairagi 2.Dr. Gerhard Dorn 3.Dr. Vijanth Sagayan Asirvadam 4.Dr. Ekkarat Boonchieng 5.Dr. Prachi Palsodkar 6.Dr. Rajani P. K. 7.Dr. Yogita Dube 8.Dr. Mrunal Bachute
8	Auto Expo(for the publicity of the	12/01/2024	Social	2000+	Nil

	annual event FestX 3.0				
9	FestX 3.0	18/01/2024 and 19/01/2024	Technical	200+	Dr. Usha Mehta
10	Hardware integration with Matlab for Deep learning	20th January 2024	Technical	75(15-IEEE members, 60-Non IEEE members)	Mr. Kunal Khandelwal (Application Engineer MathWorks, DesignTech Systems Pvt. Ltd)

EVENT DETAILS

Name of the Event: ETSA-IETE and IEEE-SPS Chapter Induction Program

IETE, IEEE-SPS and ETSA Induction Program was organized by Electronics and Telecommunication Student Association (ETSA) in association with IETE-PCCoE Student Forum on 13th September 2023. 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.

Name of the Event: Seminar on “Scope of Embedded Systems”

A seminar on the topic ‘Scope of Embedded Sytems’ was conducted by IEEE SPS, PCCOE in association with Team Vector, India. The speaker of the session was Mr. G. Satish (Vector India). Dr. Mahesh Kolte, HOD E&TC welcomed Mr. Satish G. and thanked him for his time. In all 152 participants from second and third year engaged themselves into this enlightening session.

Name of Event: Try Engineering workshop and demonstration

Try engineering is an initiative by IEEE to influence the students from regional schools towards engineering and related fields. It aims to provide technical knowledge to students who don’t have access to these facilities. This initiative included demonstrations of basic hardware and software tools to captivate the students’ attention towards technology. The demonstrations were conducted in Marathi for the convenience of students. Dr. Varsha Harpale introduced the session by interacting with students and by telling them about the initiative. The speaker for the session was Kshitij Vaze, student at Pimpri Chinchwad College of Engineering working (Team Automaton). He explained the students about microcontrollers and Arduino and demonstrated the software’s (Arduino IDE) used for their programming.

Name of Event: Three days Microcontroller Workshop in association with Vector-India

Date: 23rd August to 25th August 2023

Venue: Computer centre, Mechanical building, PCCOE

Number of participants: 76 (T.Y. and S.Y E&Tc Students)

A workshop on the topic ‘Industrial Fault Indication System with SMS alert using 8051 microcontrollers’ was conducted by IEEE SPS, PCCOE in association with Team Vector, India.



Name of the Event: Seminar on “Case Study on Advanced Driver-Assistance Systems using CNN”

A seminar on “Case Study on Advanced Driver-Assistance Systems using CNN” was organized by ETSA IETE PCCOE Students Forum and IEEE SPS PCCOE Student Chapter on 5th September 2023. Dr. Sanjay Talbar Sir (Adjunct Professor, PCCOE PUNE) were invited as a resource person for the seminar. The seminar gave insights on the topics like ADAS , CNN , deep learning and many more. Sir’s expertise and insights provided students with valuable knowledge and left a lasting impact on all the attendees.



Name of the Event: Online and Offline (Hybrid Mode) session on “Demonstration on Deep Learning Model Deployment on Raspberry Pi”

Date: 14 th October 2023

Number of Participants: 105 (15-IEEE members, 90 -Non IEEEmembers)

Resource Person: Mr. Kunal Khandelwal (Application Engineer MathWorks, DesignTech Systems Pvt. Ltd)

About the Event:The expert session began with a comprehensive overview of the distinctions between supervised and unsupervised learning, providing participants with a foundational understanding of these fundamental concepts.