

PIMPRI CHINCHWAD COLLEGE OF ENGINEERING

ANNUAL REPORT E&TC DEPARTMENT

ACADEMIC YEAR 2021-22



EDITORIAL TEAM

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

STUDENT EDITOR

SHRUTI BHAVSAR

Department at a Glance

About the Department

The Department of Electronics and Telecommunication Engineering at Pimpri Chinchwad College of Engineering (PCCoE), Pune, was established in 2001 with an initial intake of 120 students. Since its inception, the department has been committed to delivering quality technical education, fostering innovation, and preparing students for dynamic careers in the fields of electronics, communication, VLSI, embedded systems, and signal processing. The department emphasizes a balanced blend of theoretical foundation and practical exposure through state-of-the-art laboratories, industry interactions, and research-driven projects.

Demonstrating its commitment to academic excellence and continuous improvement, the undergraduate program of the department has received NBA accreditation three times from the National Board of Accreditation (NBA), New Delhi—for the academic years 2013–15, 2016–19, and 2019–22. This recognition highlights the department's adherence to quality standards in education and its outcome-based learning approach.

The department boasts a team of qualified and experienced faculty who actively engage in research, consultancy, and skill development activities. With strong industry linkages, value-added training, and a student-centric learning environment, the E&TC department at PCCoE continues to produce technically sound, socially responsible, and industry-ready graduates.

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		
2	UG- II shift	2010	60			

ACADEMICS

Academics in Department

The Department of Electronics and Telecommunication Engineering at PCCoE is committed to delivering a stringent, industry-aligned academic curriculum that equips students with both foundational knowledge and practical skills required in today's rapidly evolving technology landscape. The teaching-learning process is structured to meet global standards, with a strong emphasis on emerging technologies such as VLSI, Embedded Systems, AI/ML, signal processing, power electronics and 5G communications. Faculty members actively engage in continuous upskilling, curriculum enrichment, and innovative pedagogy to bridge the gap between academics and industry. Through hands-on labs, project-based learning, internships, and industry collaborations, the department ensures that students are not only academically proficient but also industry-ready. The faculty's dedicated efforts in mentoring, research, and outreach contribute significantly to shaping well-rounded engineers prepared to meet real-world challenges.

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.

Academic Laurels

Academic Result:

AY 2021-22 SEM I

Sr No	Class	% Result	No of Distinction
1	SY	93.17%	63.31%
2	TY	99.14%	98.28%
3	BE	99.54	99.54

AY 2021-22 SEM II

Sr No	Class	% Result	No of Distinction
1	SY	72.48%	31.44%
2	TY	89.32%	87.60%
3	BE	95.89 %	92.69 %

Batch Toppers:

Year	Name of the Student	% Result
SY B.Tech	Dudhal Shravani Rohidas	9.85
	Lande Kajal Dhananjay	9.75
	Tundalwar Atharva Ram	9.4
TY B.Tech	Khare Vrunda Mangesh	9.86
	Madhav Shantaram Pujari	9.82
	Bhuptani Hiral Ameet	9.76
Final Year B.Tech	Punekar Pratik Sitaram	10
	Diwanji Pratiksha Prakash	9.91
	Galande Manali Anil	9.86
	Khilari Harshada Vijay	9.86
	More Sanskruti Santosh	9.86
	Patil Akshada Sanjay	9.86

RESEARCH AND DEVELOPMENT

Events Organized

Sr. No	Name of Faculty	Event Organized	Date & Time	Resource Person	No. of Beneficiary
1	Mrunalini Bhandarkar	One week Induction Program for TE and BE E & Tc Students	21/6/2021 to 26/6/2021	<p>Dr. N. B Chopade, Dr. S.U Bhandari, Dr. M.T Kolte, Dr. Shitalkumar Rawandale, Dr. P.K Rajani, Dr. Anuraddha Thakare, Mrs. S.K Gaikwad, Mrs. M.S Bhandarkar, Mrs. V. A Kulkarni, Mrs. S. M Dhavale, Mr. S. D Nagrale, Mrs. S.P Jagtap, Mr. G. R Rahate, Mr. A. B Patil, Dr. V. S Bendre, Mr. Indrajit Shirke, Mr. P. V Sontakke, Mr. Swapnil Bhandarkar, Mr. Sachin Bendre</p> <p>Dr. N. B Chopade, Dr. S.U Bhandari, Dr. M.T Kolte, Dr. Shitalkumar Rawandale, Dr. P.K Rajani, Dr. Anuraddha Thakare, Mrs. S.K Gaikwad, Mrs. M.S Bhandarkar, Mrs. V. A Kulkarni, Mrs. S. M Dhavale, Mr. S. D Nagrale, Mrs. S.P Jagtap, Mr. G. R Rahate, Mr. A. B Patil, Dr. V. S Bendre, Mr. Indrajit Shirke, Mr. P. V Sontakke, Mr. Swapnil Bhandarkar, Mr. Sachin Bendre</p>	230 TE , 220 BE
2	Dr. Rajani. P. K & Mr. M. M. Nar khede Dr. Rajani. P. K & Mr. M. M. Nar khede	"Converting Prototype to Start-up" by Board of Research, Incubation and Innovation of E&TC dept. in association with MHRD Institution's Innovation Council	21-Jul-2021	Mr. Shrirang Ghokhale (Mentor BYST, ex-R&D chief from Philips India)	58
3	Dr. Varsha K. Har pale Mrs. Ashwini S. Shinde Dr. Varsha K. Har pale Mrs. Ashwini S. Shinde	Three days workshop on Data Analysis using Excel	14/7/2021 to 16/7/2021	Dr. V. K. Harpale, Dr. Leenasharma, Mrs. Ashwini Vaze, Mrs. Minakshi Panchal, Mr. Dinesh Kute	128
4	Mr. Prakash V. Sontakke, Mrs. S. I. Shirke	5 days workshop on "Computer Networks-An insight"	23/8/2021 to 27/8/2021	Mr. Prakash V. Sontakke, Mrs. I. B. Vyas, Mrs. S. I. Shirke	117

5	Dr. S. L. Tade, Dr. Rajani P. K., Mrs. M. S. Bhandarkar, Mrs. ArchanaBhmare	Expert Lexture on " Battery Management System"	20/8/2021	Dr. Anindita Roy	230 TE Student s
6	Dr. S. L. Tade, Dr. Rajani P. K., Mrs. M. S. Bhandarkar, Mrs. ArchanaBhmare	Expert Lexture on "Understanding the different processes and skills requireds as a Software Professional Engineer"	11-Sep-2021	Mr. Aditya Shah	230 TE Student s
7	Dr. S. L. Tade, Dr. Rajani P. K., Mrs. M. S. Bhandarkar, Mrs. ArchanaBhmare	Expert Lexture on "Case Study on Automotive Eelctronics"	18-Sep-2021	Mr. Manish Narkhede	230 TE Student s
8	Dr. VarshaBendre, UjwalShirode, Ajay Gadhe	Impact Lecture Series - 2021 in association with CIIL and IIC	01/10/21 and 11/10/21	Dr. ShailajaPatil, Mr. Ramesh Borania, Mr. Govind Sharma, Dr. S. S. Lakade	
9	Dr. VarshaK.Harpale	Webinar on Career Opportunities for Electrical and Electronics Engineers in EV Domain in Electric Vehicles	15th September 2021	Mr. HemantKamat, Shalaka Pvt. Ltd	72 Student s+ faculty
10	SonaliSawant Swati Jagtap	Panel Discussion on Rcent Trends in Signal Processing and Career Opportunities	17th July 2021	Industry Person, Academician & Alumni	52
11	Mrs Swati Jagtap, SharadaPatil	Three days workshop on Universal Human Values	11th to 13 Oct 2021	Dr. M.T. Kolte, Mr. UmeshJadhav	148
12	Mrs.Ashwini S. Shinde	Three days tecnical Symposium FestX-2021	8th to 10th Oct 2021	Ms.AnkitaHemnanni, Mr.ShreyashGajlekar	243
13	Dr. VarshaK.Harpale Mrs.Ashwini S.ShindeDr. VarshaK.Harpale Mrs.Ashwini S.Shinde	Three days workshop on Statistical Analysis for Audio and Biomedical Signal Processing	17/11/2021 to 19/11/2021	Dr. Kishor. S. Kinage, PCCOE, Pune, · Dr. A.B.KanwadeSIT,Pune, · Dr. Varsha K. Harpale, PCCOE, Pune, Dr. Ashwini M. Deshpande, MKSSS's Cummins COE, Pune, · Dr. MrinalBachute, SYMBIOSIS IT Pune, · Dr. SurekhaBandal Reddy, IARE, Hyderabad.	33(Faculty + student s)
14	Mr. Prakash V. Sontakke, Mrs. S. I. Shirke and Mrs. S. S. Patil	Insight of PCB Design softwares and soldering techniques	4-Oct-2021	Mr. Manish Narkhede	213
15	SonalShirke and P. R. Sonawane	Career guidance session for E&TC Engineering Aspirants	15-Nov-2021	Mr. Rohit Sharma, Mr. AmitNahar, Ms. Aditi Singh.	120

16	Dr.S.L.Tade & Mrs.Sonali Sawant	Faculty Orientation Workshop on T.E.(E&TC)	27/1/2022 to 29/1/2022	Dr.RajeshJalnekar,Dr.C.G.Patil,Dr.UlhasPatil,Dr.N.B.Chopade	96
17	Mrs.Archana Bhamare	Guest Lecture on case study of data acquisition system & robot control system	14/5/2022	Prof Ashwini Kale	200
18	Mr.A.R.Suryawanshi	Industrial tour	5 th May to 12 th May 2022		42
19	Dr.K.S.Kinage	Research methodology and optimization techniques	7/6/2021 to 18/6/2021	Dr.J.W.Bakal,Dr.Kazi	59

Faculty as participants in Faculty development/training activities/ STTPs

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	International	International Conference	Green Energy, Computing and Sustainable Technology 2021	3 days	7th Sep to 9th Sep 2021	Curtin University, Malaysia
2	Dr.SheetalBhandari	Industry	Industry Connect Internship	Telescope through the Lens	5 days	21 Feb to 25 Feb 22	Visionaria Health Systems Pvt. Ltd
3	Dr.SheetalBhandari	International	Training	IUCEE Annual Leadership Summit	3 days	9th to 11th July 2021	IUCEE
4	Dr.M.T.Kolte	International Level	AICTE sponsored STTP by Maulana APJ university of technology West Bengal	New Avenues of emotions recognition	6 days	23/08/2021 to 28/08/2021	Online
5	Dr.K.S.Kinage	University Level	Faculty Orientation Workshop	Digital Image Processing	3 days	31/01/2022 to 02/02/2022	Online
6	Dr. D. S. Khurge	National Level	Workshop	Regional Research Symposium on PBL 2021(RRSPBL 2021)	2 days	18/06/2021 to 19/06/2021	online by Alborg UNESCO Center
7	Dr.D.S.Khurge	University Level	Regional Search symposium on PBL	Accelerating PBL using internet of things and thing speak	2 days	18/06/2021 to 19/06/2021	online by Alborg UNESCO Center
8	Dr. D. S. Khurge	National Level	Training	Training – AVR Microcontroller Programming	6 days	29 Nov 2021-5 Dec 2021	by Microchip Academic Program conducted by

							Eduskills India Pvt Ltd
9	Dr.D.S.Khurge	National Level	Certification Course	AVR Microcontroller Programming	1 day	12/5/2021	Online
10	Dr.D.S.Khurge	National Level	MOEs Innovation Cell and EICTS	Innovation Ambassador Training (Foundation Level)	1 Month	30/06/2021 to 30/07/2021	online
11	Dr.VarshaHarpale	College Level	Intensive Workshop by SIG Coordination, PCCOE	Manuscript Preparation for International Journal	5 days	5/7/2021 to 9/7/2021	online
12	Dr.VarshaHarpale	College Level	Intensive Workshop by SIG Coordination, PCCOE	Insights of Research in Image and Video Processing	5 days	20th to 24th July 2021	online
13	Dr.VarshaHarpale	National Level	ATAL FDP	Instrumentation, Signals and Images for the Evaluation of Physiological Systems	5 days	16/08/2021 - 20/08/2021	online
14	Dr.VarshaHarpale	National Level	ATAL FDP	Artificial intelligence in biomedical engineering: Current trends and future	5 days	5th to 9th July 2021	online
15	Dr.VarshaHarpale	National Level	ATAL FDP	Artificial Intelligence in Revolutionizing Healthcare	5 days	19th to 23th July 2021	online
16	Dr.VarshaHarpale	National Level	ATAL FDP	Internet of Things (Applications in Medical Science)	5 days	9/08/2021 - 13/08/2021	online
17	Dr.VarshaBendre	National Level	IA Training organized by MoE's Innovation Cell & AICTE	Innovation Ambassador Training (Foundation Level)	1 Month	30/6/2021 to 30/7/2021	online
18	Dr.VarshaBendre	College Level	Intensive Workshop by SIG Coordination, PCCOE	Manuscript Preparation for International Journal	5 days	5/7/2021 to 9/7/2021	online
19	Dr.VarshaBendre	National Level	FDP: Electronics & ICT Academy Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India Indian Institute of Technology Guwahati	Open Power ISA RISC based Architecture Design (Enabled by Industry IBM)	12 days	18/10/2021 to 29/10/2021	online
20	Dr.VarshaBendre	National Level	AICTE Sponsored STTP	Emerging Issues of VLSI Design	5 days	13/12/2021 to 17/12/2021	online
21	Dr.VarshaBendre	University Level	Faculty orientation work	TE revised syllabus 2019	3 days	31/01/2022 to 2/02/2022	online

			shop BOS SPPU PUNE	course - Sensors in Automation (Elective-II)			
22	Dr.VarshaBendre	National Level	Webinar by KARPAGM , TAMILNADU	OBE -in persuet of academic excellence	1 day	6/24/2021	online
23	Dr.VarshaBendre	College Level	webinar by PCCOE	Carrier apportunities for electrical and electronics engineeres in EV DOMAIN in electric vehicle	1 day	9/15/2021	online
24	Dr.Rajani.P.K	National Level	FDP organized by Eduxlabs India in association with E-cell IIT Hyderabad	Deep Learning for Images & Video Analysis	10 days (30 hours)	1/6/2021 to 15/6/2021	online
25	Dr.Rajani.P.K	National Level	IA Training organized by MoE's Innovation Cell & AICTE	Innovation Ambassador Training (Foundation Level)	1 Month	30/6/2021 to 30/7/2021	online
26	Dr.Rajani.P.K	College Level	Intensive Workshop by SIG Coordination, PCCOE	Manuscript Preparation for International Journal	5 days	5/7/2021 to 9/7/2021	online
27	Dr.Rajani.P.K	University Level	Faculty Orientation Workshop,SPPU	Skill Development faculty orientation workshop on TE E&TC revised syllabus (2019 C) under the aegis of Board of Studies (E&TC/ Electronics) SavitribaiPhule Pune University, organized by Department of E&TC Engineering,	2 days	30/7/2021 & 31/7/2021	online
28	Dr.Rajani.P.K	National Level	Session	AI powered IOT for buiding smart sustainable signal processing application	5 days	15/11/2021 to 19/11/2021	MIT World Peace Universit y, Pune
29	Dr.Rajani.P.K	International Level	International FDP	Embedded system design and biometric interfaces	3 days	21/03/2022- 23/03/2022	Online
30	Ashok R. Suryawanshi	State Level	FDP	eSim	6 months	1/1/2020 to 30/6/2020	Online by Spoken tutorial
31	V. A. Kulkarni	State Level	FDP	Digital Signal Processing	3 days	26/7/2021 to 28/7/2021	Online

32	Mrs.SeemaUmeshDeoghare	National Level	FDP	ISTE Approved One Week Faculty Development Program on "Augment Reality & Virtual Reality	5 days	21/06/2021 to 25/06/2021	online
33	Mrs.SeemaUmeshDeoghare	National Level	STTP	AICTE Sponsored One Week Online STTP Phase-III on "Energy Conservation and Audit	6 days	5/7/2021 to 10/7/2021	online
34	Mrs.SeemaUmeshDeoghare	National Level	ATAL FDP	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Bio-Medical Signal Processing for Smarter Mobile Healthcare"	5 days	19/7/2021 to 23/7/2021	online
35	Mrs.SeemaUmeshDeoghare	National Level	ATAL FDP	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Micro Electro Mechanical Systems (MEMS' 21)"	5 days	26/7/2021 to 30/7/2021	online
36	Mrs.Jyoti S. Kulkarni	National Level	AICTE STTP	Design of soft computing based machine learning models	6 days	12/07/21 to 17/07/21	Online
37	Mrs.Jyoti S. Kulkarni	National Level	AICTE STTP	Natural Language processing with Google AI and Dialogflow and its applications	6 days	21/06/21 to 26/06/21	Online
38	Mrs.Jyoti S. Kulkarni	National Level	AICTE FDP	Multitechnology	6 days	28/06/21 to 03/07/21	Online
39	Mrs.ShardaDhaval	National Level	FDP	Recent trends in communication Engineering	5 days	23//08/2021 to 27/08/2021	
40	Mrs.ShardaDhaval	National Level	FDP	Research methodology and research publications and patent filing	5 days	20/09/2021 to 24/09/2021	ONLINE
41	Mrs.ShardaDhaval	National Level	FDP	Inculcating universal	5 days	5/07/2021 to 9/07/2021	online

				human values in technical education			
42	Mrs.ShardaDhaval	College Level	WorkShop	universal human values	3 Days	11/10/2021 to 13/10/2021	Online
43	Mrs.Aarti S. Pawar	National Level	STTP	2 weeks STTP on Research Methodology and Optimization Techniques	12 days	7/6/2021 to 18/6/2021	Online
44	Mrs.Aarti S. Pawar	National Level	FDP	One week FDP on Research Methology, Research Publications and Patent Filing	5 days	20/9/2021 to 24/9/2021	Online
45	MrunaliniBhandarkar	State Level	WorkShop	Data Analysis using Excel	3 Days	14/07/2021 to 16/07/2021	online
46	MrunaliniBhandarkar	National Level	AICTE FDP	Inculcating Universal Human Values in Technical Education	5 days	19/07/2021 to 23/07/2021	online
47	MrunaliniBhandarkar	State Level	STTP	Research Methodology and Optimisation Techniques (PCCOE)	15 days	7/6/2021 to 18/6/2021	online
48	MrunaliniBhandarkar	National Level	ATAL FDP	Electret Applications in Sensors, Microelectronics and Actuators (ATAL)	5 days	5/7/2021 to 9/7/2021	online
49	MrunaliniBhandarkar	National Level	ATAL FDP	Product Design and Prototype Development	6 days	12/7/2021 to 16/7/2022	online
50	MrunaliniBhandarkar	State Level	Faculty Orientation Workshop	Skill Development faculty orientation workshop on TE E&TC revised syllabus (2019 C) under the aegis of Board of Studies (E&TC/ Electronics) SavitribaiPhule Pune University, organized by Department of E&TC Engineering,	2 days	30/7/2021 to 31/07/2021	online
51	MrunaliniBhandarkar	National Level	ATAL FDP	Artificial Intelligence for Speech and Biosignal	5 days	20/9/2021 to 24/9/2021	online

				Processing			
52	MrunaliniBhandarkar	National level	ATAL FDP	recent advancement in automatic speech recognition and speaker variation	5 days	27/10/2021 to 1/10/2021	Online
53	Anjali Shrivastav	Dept Level	workshop	Three days online workshop on "Statistical Analysis for Audio and Biomedical Signal Processing"	3 days	17th Nov to 19th Nov. 2021	online
54	Anjali Shrivastav	National Level	AICTE Sponsored STTP	Emerging Issues of VLSI Design	5 days	13/12/2021 to 17/12/2021	online
55	Mrs Swati Jagtap	National level	IEEE Signal processing and IEEE bombay section	Research Methodology, Research Publication and Patent Filing	5 days	20/09/21-24/09/21	Online
56	Mrs Swati Jagtap	National level	ATAL FDP	1 week ATAL FDP on "Object Identification and Image Intelligence a Practical Approach"	5 days	25/10/2021 to 29/10/2021	Online
57	Mrs Swati Jagtap	National level	workshop	reference management tools and literature review	1 day	3/27/2021	Online
58	Mrs Swati Jagtap	University Level	workshop	S.E. Revised syllabus 2019 course " signals and systems "	3 days	18/01/2021 to 20/01/2021	online
59	Mrs Swati Jagtap	National Level	workshop	Data Analysis using Excel	3 days	14/07/2021 to 16/07/2021	Online
60	Mrs Swati Jagtap	College Level	workshop	manuscript preparation for international journal	5 days	5/07/2021 to 9/07/2021	Online
61	Mrs Swati Jagtap	National Level	workshop	Insights of Research in Image and Video Processing	5 days	20/07/2021 to 24/07/2021	online
62	Mrs Swati Jagtap	National Level	Training program	deep learning and computer vision in image and video data analysis	30 hrs	17/08/2021 to 2/09/2021	Online
63	Mrs Swati Jagtap	State Level	STTP	Research Methodology and Optimization Techniques	10 days	07/06/2021 to 18/06/2021	Online

64	PramodSonawane	State Level	STTP	Two week STTP on Research Methodology and Optimisation Techniques (PCCOE)	12 days	7/6/2021 to 18/6/2021	online
65	PramodSonawane	State Level	FDP	Faculty Orientation Workshop on TE(E&TC/Electronics) Revised Syllabus 2019 Course for the Subject Database Management	3 Days	22nd July to 24th July 2021	Online
66	PramodSonawane	State Level	Workshop	Practical Data Analytics and Machine Learning: Tools and Trends.	3 Days	6th-8th September 2021.	Online
67	PramodSonawane	State Level	Workshop	Five days Intensive “Work study – Towards effective productivity”	5 days	4th October to 8th October	Online
68	PramodSonawane	Institute Level	Lecture Series	One week The lecture series on “Psychology for Research-संशोधनाचेमानसशास्त्र” for PhD	5 days	18/11/21, 25/11/21, 2/12/21, 10/12/2021, 21/12/21.	Offline, PCCOE Campus
69	Mrs.Ashwini S. Shinde	National Level	AICTE FDP	Inculcating Universal Human Values in Technical Education	5 days	19/7/2021 to 23 /03/2021	online
70	Mrs.Ashwini S. Shinde	National Level	ATAL FDP	Deep Learning	5 days	5/7/202021 to 9/7/2021	online
71	Mrs.Ashwini S. Shinde	National Level	ATAL FDP	Deep Learning for Audio and Speech Applications	5 days	26/07/2021 to 30/07/2021	online
72	Mrs.Ashwini S. Shinde	National Level	ATAL FDP	speech audio and image processing using deep learning tech	5 days	18/10/2021 to 22/10/2021	online
73	Mrs.Ashwini S. Shinde	National Level	ATAL FDP	One week FDP on optimization technique for deep learning	5 days	3/01/2022 to 7/01/2022	online
74	Mr.S.D.Nagrале	State Level	SPPU FDP	Fundamentals of JAVA Programming	3 days	26/7/2021 to 28/07/2021	Online
75	Mrs.SonaliSawant	National Level	ATAL FDP	One week ATAL FDP on mathematical modelling and controller	5 days	11/10/2021 to 15/10/2021	online

				design			
76	M.M.Narkhede	National Level	STTP	Research Methodology and Optimization Techniques	2 weeks	07/06/2021 to 18/06/2021	PCCOE, Pune
77	Mrs.SwatiPatil	University Level	workshop	T.E. revised syllabus 2019 - cellular network	3 days	27/01/2022 to 29/01/2022	online
78	Mr.UjwalShirode	Internal Level	virtual conference	computing , communication and green engineering	3 days	23/09/2021 to 25/09/2021	Online
79	Mr.UjwalShirode	University Level	workshop	T.E. revised syllabus 2019 - honor subject robotics	2 days	30/07/2021 to 31/07/2021	Online
80	Mr.UjwalShirode	National Level	Training program	Innovation Ambassador Training (Foundation Level)	1 Month	30/6/2021 to 30/7/2021	online
81	Mr.UjwalShirode	State Level	FDP	Robotics	2 days	30 - 31st July 2021	Online
82	Mr.Praksh V. Sontakke	College Level	STTP	IETE Approved Two Week STTP on "Research Methodology and Optimization Techniques"	12 Days	07 June to 18 June	Online
83	Mr. P. V. Sontakke	National Level	Workshop	Real World Interfacing with Arduino Uno on IOT Platform	5 days	11th Oct 2021 to 15th Oct. 2021	Online
84	S A Ayane	College Level	Workshop	Three Days Intensive Workshop on "Universal Human Values"	3 days	11th to 13th Oct 2021	PCCOE, Pune
85	Ajay Gaadhe	National Level	IA Training organized by MoE's Innovation Cell & AICTE	Innovation Ambassador Training (Foundation Level)	1 Month	30/6/2021 to 30/7/2021	online
86	Mrs.SangitaPatil	State Level	STTP	Research Methodology and Optimisation Techniques (PCCOE)	15 days	7/6/2021 to 18/6/2021	online
87	Mrs.SangitaPatil	International Level	FDP	Embedded system design and biometric interfaces	3 Days	21/30/2022 TO 23/03/2022	online
88	Mrs.SangitaPatil	National Level	FDP	One week FDP on essentials of research	6 days	18/04/22 to 23/04/2022	online
89	Mrs.SangitaPatil	National Level	WorkShop	Statistical analysis for audio and biomedical	3 days	17/11/2021 to 19/11/2021	online

				signal processing			
90	Mrs.ArchanaBhamare	State Level	WorkShop	Data Analysis using Excel	3 days	14/07/2021 to 16/07/2021	online
91	ArchanaBhamare	College Level	Workshop	FDP ON UNIVERSAL HUMAN VALUES	5 days	9 - 13 Aug 2021	Online by Vishwakarma Institute of Information Technology, Pune
92	Mrs.ArchanaBhamare	State Level	IETE Approved Two Week STTP	“Research Methodology and Optimization Techniques”	Two week	7th June to 18th June 2021	Online
93	Mrs.ArchanaBhamare	Dept Level	Training program	PSIM 2021b Software Training program by PWSIM company	3 days	24/1,25/1 and 31/1/2022	Online Software Training by PWSIM Engineering Solutions Pvt. Ltd., Bangalore
94	Mrs.SonalShirke	International level	FDP	Embedded system design and biometric interfaces	3 days	21/30/2022 TO 23/03/2022	online
95	Mrs.SonalShirke	National Level	WorkShop	LATEX AND ZOTERO	2 days	9/02/2022 to 10/02/2022	online
96	SharadaPatil	National Level	AICTE FDP	Inculcating Universal Human Values in Technical Education	5 days	5/07/2021 to 9/07/2021	online
97	SharadaPatil	National Level	AICTE FDP	Emerging Issues of VLSI Design	6 days	12/07/2021 to 17/07/2021	online
98	SharadaPatil	State Level	WorkShop	Data Analysis using Excel	3 days	14/07/2021 to 16/07/2021	online
99	Ms.IshaVyas	University Level	WorkShop	S.E.revised Syllabus 2019 - Data Analytics lab	2 days	21/01/2021 to 22/01/2021	online
100	Mrs.VaishaliPatil	International level	FDP	Embedded system design and biometric interfaces	3 days	21/30/2022 TO 23/03/2022	online

MOUs Signed

Name of Company/Institute	Capgemini Automotive
Type of collaboration	MOU
Effective from AY	2021-2022
Collaboration from date	21/12/2021
Description	Training ,Research and Development ,consultancy in mutually beneficial areas
Faculty Coordinator	Mrs. Swati Jagtap

Patents Filed/Granted

Sr. No.	Name of the Applicant/s (Faculty + Students)	International Patent Title	Application Number	Status
1	Dr.N.B.Chopade, Dr.K.S.Kinage, Dr.P.K.Rajani, Dr.S.L.Tade, Mr.P.V.Sontakke, Mrs.S.U.Deoghare, Mrs.M.S.Bhandarkar, Mrs.S.A.Patil, Mrs.S.P.Jagtap, Mrs.A.B.Patil, Mr.U.R.Shirode, Mr.A.S.Gaadhe	Pure Water Analysis Using Near Field Technology and Internet of Things	AMCZ- 2110390583 24/08/2021	Granted 24/11/2021
2	Mr.U.R.Shirode	Novel Design Approach for Performance Improvement of Low Power Static Random Access Memory	AMCZ- 2110386753 23/08/2021	Granted
3	Dr.M.T.Kolte	Telecommunication Device with Speech Enhancement Facility	AMCZ- 2110383128 23/08/2021	Granted
4	Dr. V.S.Bendre, Dr. V.K.Harpale, Dr.D.S.Khurje Dr.M.T.Kolte, Mrs.A.S.Shinde Mrs.A.A.Shrivastava Mr.S.D.Nagrale Mr.A.S.Gaadhe Mr.U.RShirode Mr.PradeepSandhbhor	Reconfigurable Architecture for Autism Detection	24/08/2021 AMCZ- 2021106997	Granted
5	PimpriChinchwad College of Engineering, Mr.U.R.Shirode with Students	Portable Cooling Device	361313-001 26-03-2022 Date of Grant- 23-05-2023	Granted
6	PimpriChinchwad College of Engineering, Mrs.S.S.Patil with Students	Dhoop Stick Making Machine	365117-001 File - 31-05-2022	Granted 21-03-2023
7	PimpriChinchwad College of Engineering. Dr.S.U.Bhandari, Mr.P.R.Sonawane	Unmanned Aerial Vehicle Based Real-Time Faultdetection System For Photovoltaic Power Stationand Me	202221031194 File- 31-05-2022	Published 10/03/2023
8	PimpriChinchwad College of Engineering, Dr.D.S.Khurje with Students	Posture Correcting Chair	364747-001 File- 25-05-2022	Granted 25-05-2022

9	PimpriChinchwad College of Engineering, Mr.A.S.Gaadhe with Students	Cognitive Cleaning Mechanism For Solar Panel/S	202221028430 File- 18/05/2022 Published- 17/06/2022 Grant – 11-05-2023	Granted 11-05-2023
10	Dr.S.U.Bhandari	A Smart Sustainable Portable Cold Storage	202121056487 File- 06-12-2021 Published – 14-01-2022	Granted 18-11-2022
11	PimpriChinchwad College of Engineering Dr.Dipti S. Khurge Prof. UjwalShirode Prof. Ajjay S Gaadhe Ashutosh D. Jadhav Sejal C. Rathod Vaishnavi D. Patil Mukund S. Suravase	Flexible Road Divider	202221032275 File- 06/06/2022 Published - 24/06/2022	Granted 20/10/2023
12	PimpriChinchwad College of Engineering Dr.Rajani. P.K Shreyas Manoj Murkute PrathameshPhalke ShashankTiwari	Fraud Detection And Prevention By Face Recognition Withand Without Mask For Banking Application	202221032273 File- 06/06/2022 Published - 24/06/2022	Granted 21/03/2024

Faculty Journal Publications:

Sr. No	Type	Title	Author	Details	Publication date	DOI
1	Scie, Q2	A Review On—Spintronics An Emerging Technology	Dr.Sheetalbhandari	Journal Of Silicon	25_01_2022	https://doi.org/10.1007/S12633-021-01643-X
2	Scopus Q2	S.V. Improved Resilience Of Secret Sharing Scheme With Augmented Multifarious Features	Patil, S., Bhandari, S., Thepade, S.,	International Journal Of Information Technology (Singapore)	14_05_2022	https://doi.org/10.1007/S41870-022-00941-W
3	Q3	Deep Appearance Model And Crow-Sine Cosine Algorithm-Based Deep Belief Network For Age Estimation	Anjali A. Shejul, Kishor.S .Kinage	International Journal Of Ambient Computing And Intelligence	July-September 2021	10.4018/Ijaci.2021070109
4	Scie	An Adaptive Method For Feature Selection And Extraction For Classification Of Epileptic Eeg Signal In Significant States	Harpale V.K., Bairagi, V. K.	Journal Of King Saud University - Computer And Information Sciences	21-Jul	https://doi.org/10.1016/J.Jksuci.2018.04.014
5	Q4	Design, Development And Analysis Of Variable Bandwidth Filter Bank For Enhancing The Performance Of Hearing Aid System	Ujjwalawandale, Dr. M. T. Kolte	International Journal Of Intelligent Engineering And Systems	21-Sep	https://inass.org/Wp-Content/Uploads/2021/10/2021123135.Pdf

6	UGC Care	Solar Energy Based Natural Pest Control System	Sonal I Shirke	International Journal Of Humanities, Law And Social Sciences	UGC Care	
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Faculty Conference Publications:

Sr. No.	Title of the Paper	Name of the Authors	Name of Conference	Date
1	Crop Decision Using Various Machine Learning Classification Algorithms. In: Choudrie, J., Mahalle, P., Perumal, T., Joshi, A.	JayeshKolhe, GuruprasadDeshpande, Gargi Patel, Rajani P.K,	Sixth International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2022)	04/2022
2	Analysis of EEG Signals using Machine Learning for Prediction and Detection of Stress	TusharKotkar, KaushikiNagpure, Pratik Phadke, SangitaPatil, Rajani P.K	Sixth International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2022),	04/2022
3	Review of PV MPPT Based Battery Charging Techniques Under Partial Shading Conditions.	Aarti S. Pawar, Dr.M.T.Kolte, Hrishikesh Mehta	Second IEEE International Conference on Power, Control, and Computing Technologies,	1st to 3rd March 2022,
4	Electric vehicle range and energy consumption estimation using MATLAB Simulink	Kolte, M., Khachane, T.	INTERNATIONAL CONFERENCE ON SMART GRID & ELECTRIC VEHICLE (ICSGEV 2021)	15-16 July 2021
5	Impact and Analysis of Denial-of-Service attack on an autonomous vehicle testbed setup	P. V. Sontakke, Dr. N. B. Chopade	3rd International Conference on Intelligent Computing, Information and Control Systems (ICICCS 2021)	2-3 July 2021
6	A comprehensive survey of routing in MANET	KishorWane,GaneshRahate, Dr.N.B.Chopade	International Conference on IoT Based Control Networks and Intelligent Systems - ICICNIS 2021	28-29 June 2021
7	Micro-controllers and Power Devices used in Multilevel Inverters - A Survey	Ashok Suryawanshi, N. B. Chopade and Hrishikesh Mehta	International Conference on Green Energy, Computing and Sustainable Technology 2021 (GECOST 2021),	7-9 July 2021

8	Comparative Analysis of Compressive Sensing Methods for Speech Enhancement in Hearing Aid Applications	HrishikeshVanjari; Mahesh Kolte	7th International Conference on Signal Processing and Communication (ICSC)	25-27 November 2021
9	Hygieia: Smart Health and Sanitizing Dispenser	VaibhavTiwari, SudharmKalamdani, RohitRaut, Rajani P. K.	Sixth International Conference on ICT Sustainable Development (ICT4SD 2021)	5 - 6 August 2021
10	Early Lungs Tuberculosis Detection using Deep Learning	JigishaPatil, Pranathi Kale, AkshadaKshirsagar, Dr.VarshaBendre	Fifth World Conference on Smart trends in Systems, Security and Sustainability (5th WS4-2021), London UK	29 -30 July 2021
11	Street Security and Surveillance for Rapid Emergency Assistance and Effective Traffic Management	Mr.Shubham D. Mashalkar, Mr.Swapnil S. Narkhede, and Ms.Yogita S. Nimbargi and Dr.Varsha K. Harpale	International Conference on Computing, Communication and Green Engineering	23 - 24 Sept. 2021
12	On the Evaluation and Implementation of LSTM Model for Speech Emotion Recognition using MFCC	Sheetal U. Bhandari, Harshwardhan Kumbhar, Varsha Harpale and Triveni Dhamale	International Conference on Computational Intelligence and Data Engineering	13-14Aug. 2021
13	Chest X-Ray Diagnosis with Deep Learning	MrunalPatil, V.K.Harpale	International Virtual Conference on Emerging Trends in Engineering and Management Sciences (ICETEMS-2021)	23-24 July 2021.
14	Error Detection and Error Concealment of Medical Images Using Frequency Selective Extrapolation (FSE) Algorithm	Komal Nair, Neha Motagi and Rupali Narayankar, Rajani P.K.	6th International Conference on Information and Communication Technology for Competitive Strategies (ICTCS 2021)	17-18 December 2021.
15	RTL Verification and FPGA Implementation of Generalized Neural Networks: A High-level Synthesis Approach	Satyashil D Nagarale, Dr.B.P.Patil	Third International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2022)	27-28, January 2022
16	Crop Decision using Various Machine Learning Classification Algorithms	JayeshKolhe, Guruprasad Deshpande, Gargi Patel, Rajani P.K	6th International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2022)	22 – 23, April 2022
17	Analysis of EEG Signals using Machine Learning for Prediction and Detection of Stress	TusharKotkar, KaushikiNagpure, Pratik Phadke, SangitaPatil, Rajani P.K	6th International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2022)	22 – 23, April 2022

18	Frequency Response Masking Based Reconfigurable Filter Bank for Hearing Aids	Shrivastav, A., Kolte, M.	International Conference on Computational Science and Applications. Algorithms for Intelligent Systems. Springer, Singapore	13-16 September 2021
19	Review of Advanced Driver Assistance Systems and Their Applications for Collision Avoidance in Urban Driving Scenario	Manish M. Narkhede, Nilkanth B. Chopade	International Conference on Machine Learning and Big Data Analytics	Sept_2021
20	Review of PV MPPT Based Battery Charging Techniques Under Partial Shading Conditions	Aarti S. Pawar, Mahesh T. Kolte , Hrishikesh Mehta	2022 Second International Conference on Power, Control and Computing Technologies (ICPC2T), Raipur, India, 2022,	1-3 March 2022
21	Electric vehicle range and energy consumption estimation using MATLAB Simulink	Kolte, M., Khachane, T.	International Conference On Smart Grid & Electric Vehicle (Icsgev 2021)	15–16 July 2021
22	An Investigation of Face Recognition System for Criminal Identification in Surveillance Video	Swati Jagtap, N. B. Chopade	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA, Pune, India	Aug2022
23	IoT Based Water Pump Controller for Apartments: A Survey	Rutuja More, Harshal Shirke, Rohit Kale and Ashok Suryawanshi	7 th National Conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	19-Jun-21
24	Design and Implementation of Intelligent Treadmill with Fitness Tracker using Raspberry Pi and IOT	Padmaja Sardal, Umesh Sangade, Kshitija Shinde and Ashwini Shinde	2nd International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN-2021)	20-21 August, 2021
25	A CNN based Speech Recognition Approach for Voice Controlled Elevator	Ashwini S. Shinde, Kajal Joshi, Abhishek Jamdar, Saurav Sarode	Fifth International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECCOT)	10-11 December 2021
26	A Survey on IOT based Smart Farming System	Archana Bhamare and Dr. Payal Bansal	3rd International Online Conference on Emerging Trends in Multi-Disciplinary Research ETMDR-2022	20-22, January 2022
27	MFCC Based Speaker Verification and Speech Recognition	Mrunalini Bhandarkar and Dr. Payal Bansal	3rd International Online Conference on Emerging Trends in Multi-Disciplinary Research ETMDR-2022	20-22, January 2022

28	IoT based Home Automation- A Review	Mrs.Sonal I Shirkeand Dr.PayalBansal	3rd INTERNATIONAL ONLINE CONFERENCE ON EMERGING TRENDS IN MULTI-DISCIPLINARY RESEARCH	20-22 Jan 2022
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Faculty Participation in various Online Certification Course

Sr. No.	Name of Faculty	Course Name	Dates	Duration /Hours	Course Name
1	Prakash V Sontakke	AWS Academy Cloud Foundation	9/18/2021	10 Modules	AWS cloud foundation course
2	Ujwal Shirode	AWS Academy Cloud Foundation	9/27/2021	2 1/2 hrs	AWS IOT Cloud Foundation Course : Telemetry
3	Ujwal Shirode	AWS Academy Cloud Foundation	10/9/2021	2 hrs	AWS IOT Cloud Foundation Course : Command and Control
4	Swati Jagtap	EDUXLABS with E-cell IIT hydrabad	2/9/2021	30 hours	Hands on in Deep learning and computer vision in image and video processing using python
5	SuvarnaKadam	IEEE	26/8/2021	90 minutes	IEEE Authorship and OA Symposium
6	SuvarnaKadam	IEEE	13/7/2021	1 Hr	PDH Course
7	KapilKotangale	Coursera	4/7/2022	2 hrs	An Online non-credit project authorised by Coursera Project Network and offered through
8	VaishaliPatil	MathWorks	12th March 2022	1 day	MathWorks Webinar
9	VaishanaviPujari	MathWorks	12th March 2022	1 day	MathWorks Webinar
10	VaishanaviPujari	Coursera	5/2/2022	2 weeks	Coursera Google Cloud Training
11	VaishanaviPujari	Coursera	4/26/2022	3 weeks	Coursera Google Cloud Training
12	ManishaPandey (Mishra)	Coursera	7/12/2020	4 weeks	Coursera Certified Course
13	ShwetaDevdas	NPTEL	Jan - April 2022	12 weeks	NPTEL Certified Course

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	Accenture	6.5	3		3
2	Accenture	4.5	7		7
3	Accolite	8	1		1
4	AFour Technologies	7	1		1
5	Altimetrik	7	5		5
6	Atos	3.1	4		4
7	Birlasoft	5	1		1
8	Bluebinaries	3.5	3	3	3
9	BlueConch	7	4		4
10	BYJU'S	6	1		1
11	Capgemini	7.5	7		7
12	Capgemini	4	19		19
13	Celebal	5	2		2
14	CGI	3.5	1		1
15	Citistech	5.5	2		2
16	Coditas	6	2		2
17	Cognizant	6.75	1		1
18	Cognizant	4.25	4		4
19	Cognizant	4	16		16
20	Conde Nast	8.25	1		1
21	Dassault System	7.5	4		4
22	Forbes Marshall	6	1	1	1
23	FUJITSU CONSULTING	3.5	1		1
24	Harman Connected	5.5	1	1	1
25	Harman Connected	5	1	1	1
26	Hella India	5	3	3	3
27	HPE	7	1	1	1
28	IBM	4.25	2		2
29	Infocepts	3.64	2		2
30	Infosys	3.5	2		2
31	ITC Infotech	4.25	2		2
32	KPIT	3.5	1	1	1
33	LTI	5	2	2	2
34	Matel Motion	2.84	2	2	2
35	Mediaocean	8	3	3	3
36	Minda Group	4.5	1	1	1
37	NeoSoft Technologies	3.3	1		1

38	Newfold Digital	3	1		1
39	Persistent	8	1		1
40	Persistent	4.71	8		8
41	Persistent(Martian)	7.5	1		1
42	Price water house coopers	6	4		4
43	Quantiphi	8.5	2	2	2
44	RISE WPU	6.2	1		1
45	Salesforce	8.25	1		1
46	SAP Lab	8.25	1		1
47	Sapiens	9.07	1		1
48	Schlumberger	6.5	2	2	2
49	TCS-D	7	1		1
50	TCS-N	8.25	1		1
51	TCS-N	4.5	2		2
52	TCS-N	3.36	4		4
53	TietoEVRY	4.5	1	1	1
54	TresVista	4.6	1	1	1
55	West Pharmaceuticals	6.6	1	1	1
56	Wipro	3.5	4		4
57	Xoriant	8	4	4	4
58	Xoriant	5.5	11	11	11
59	Zensoft	4.5	1		1
60	Zeus learning	4.8	1		1
				Placement in core company = 41	Final Placed = 170

Internship Summary

Total students who got Internship opportunities: 224

Internship in the Industry with Stipend

Sr. No.	Student Name	Class	Division	Company	Stipend
1.	Riya Makode	TY	B	Laxmivaas advisory portfolio and financial planning pvt. ltd.	25000
2.	Kshitij Neeraj Vaze	TY	C	Knorr-Bremse	20000
3.	Shravani Lalasaheb Late	TY	B	Philips Healthcare Innovation Centre	45000
4.	Arav Sahasrabudhe	TY	A	Script Analytica	10000
5.	Aditi Dayanand Shelar	TY	C	Philips Healthcare Innovation Center Pure	45000
6.	Vinayak Patil	TY	B	Addverb Technologies Noida	25000
7.	Yash vijay jadhav	TY	A	Semtech Advanced systems	35000
8.	Shruti Vijay Shinde	TY	B	SecMyIT Infosec Solutions Pvt Ltd	8000
9.	Akshay Mahesh Iyer	TY	A	Bajaj Finserv	5000
10.	Darpan Neve	TY	A	Zarity Health Pvt. Ltd	20000
11.	Tanmay Rajput	TY	C	Jugnu Drones	10000

Company wise Bifurcation of Internship

Sr.No.	Company	No of students
1	Aarya precision technologies LLP	1
2	ABM corp	1
3	Acclivis Pvt. Ltd.	2
4	ADDVERB TECHNOLOGIES NOIDA	1
5	AICTE	12
6	Akshay Embedded Systems Pvt Ltd	2
7	Anand I power	1
8	Antara Technologies	1
9	Atlas Copco India Limited	1
10	Bajaj Finserv	1
11	Baumuller India	1
12	Brain Vision Technology	2
13	Brainchain	1
14	Philips Healthcare Innovation Center Pure	2
15	BSNL	4
16	Celebal Technologies	46
17	CFEE India LLP	1
18	Cludobits IT Solutions Pvt Ltd	1
19	CodeSoft	2
20	Coding Jr	1
21	Codtech IT Solutions	1
22	Cognifyz	1
23	Copper Cloud IOTech Pvt Ltd	1
24	Defence Institute Advanced Technology	11
25	Digital Enterprise	4
26	DRDO	2
27	eInfochips, An Arrow Company	18
28	Elcom International Pvt. Ltd	2
29	Electromotion e vidyut vehicle pvt.ltd.	1
30	EMERTXE	7
31	EnergyBae	1
32	Entuple Technologies	2
33	Ey Ernest and Young	1
34	Fihil services private limited	1
35	Flash Electronics Pvt. Ltd	1
36	Forbes Marshall	2
37	Force Motors Limited	1
38	FPL Technologies	1
39	Geeks for geeks	4
40	HIL Pvt Ltd	1
41	IIT Bhilai	1
42	In college Teams (Team Automaton)	2
43	In house PCCOE	6
44	InternPe Technologies	4
45	Intervue	1
46	ITech Robotics and Automation Pvt. Ltd	4
47	J K Systems	1
48	Jekuma Tools and Gaudges	1
49	JSW	1
50	Jugnu Drones	1

51	K Technology	2
52	Knorr Breamse CVS Pvt. Ltd	3
53	L&T Technology Services	1
54	Laxmivaas advisory portfolio and financial planning pvt. ltd.	1
55	Leap & Scale	1
56	Lear Corporation	1
57	LSI R&D Labs	1
58	Medicure Solutions Pvt Ltd	1
59	Medimaze Solutions Pvt Ltd	3
60	Microcon Power Electronic	1
61	Navodita Infotech	1
62	Nullclass Edtech Private Limited	1
63	PPCRC	1
64	Praj Industries	1
65	Prodigy Infotech	4
66	Quintrans hyperloop	1
67	Richs Products Corporation	1
68	Script Analytica	1
69	SecMyIT Infosec Solutions Pvt Ltd	1
70	Semi Hyphen	1
71	Semtech Advanced systems	1
72	Shree Arogyam Ayurveda	2
73	Shree calibration Measurement and Testing Services	1
74	SIEMENS	1
75	Skylink Communication	1
76	SpringUp labs	1
77	Stylectro Services Pvt. Ltd.	4
78	Tata motors	2
79	Tata Technologies	1
80	Team Kratos Racing Electric	2
81	Team Red Baron	2
82	Tech mahindra	1
83	Technokarteen Engineering PVT LTD	1
84	Techplement	1
85	Trutech Products	1
86	UNIFIED MENTOR Pvt Ltd.	1
87	Vedant Automation and Systems	1
88	WSA	1
89	Zarity Health Pvt. Ltd	1
90	Zapiient digital	1
	Total	224

STUDENT DEVELOPMENT AND WELFARE

Higher studies Cell

Sr. No.	Activity	Day/Date	Resource Person/ Organization	Audience	No. of students benefited
1	Webinar on “Need of research publication in 21 st ”	7 th January 2022	Dr. Rajkumar patil, PCCoE	All SY, TY, BE	84
2	Webinar on “How to prepare for competitive exams”	8 th January 2022	Mr Tushar Patil	All SY, TY, BE	13
3	Webinar on “How to prepare for competitive exams”	10 th January 2022	Prof. Pravin Patil, The Unique Academy	All SY, TY, BE	44

Professional Development Cell

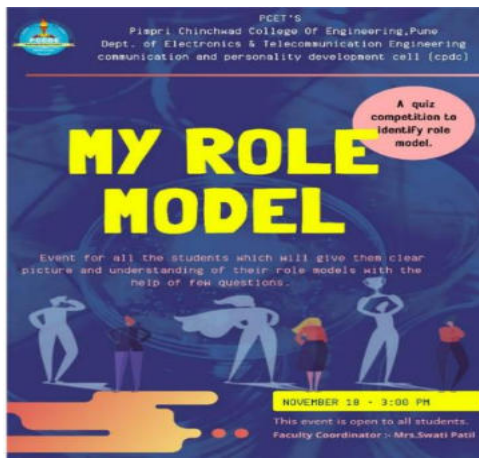
Add-on course	Conduction agency	Duration/Hrs	No. of students participant	Faculty In charge
Aptitude and softskill	FACE	60	687	S.V.Patil

Objective of 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.
1. To raise awareness on professionalism and ethics in the workplace and promote best practices among students.
2. To strengthen students global perspective and social consciousness, and shape responsible citizens who can contribute to and be leaders in the global community.

Events:

Department of E&Tc has successfully organized Role Model activity for SE, TE, BE E & Tc students on 18/11/2021. Role Model activity was conducted through a google form which gave the students a clear picture and understanding of their role models with the help of a few questions.



National Service Scheme Cell

Sr. No.	Name of Activity	Date of Activity	No. of Students participated	No of People Benefited
01	Participation in "Shasan Aaplya Dari" Campaign for needy villagers of Vadashwar, Tal. Maval village	12 th to 14 th October 2021	10	2000+
02	Interaction with Mr. Uday Samant, State Education Minister at CoEP, Pune	22 nd October 2021	09	300+Attendees
03	Participation in Swacchagraha Campaign by PCMC	21 st November to	12	3000+ people
04	COVID-19 Vaccination Drive at PCCoE	27 th October 2021	NA	80
05	Workshop on Gender Sensitivity	25 th November 2021	02	400+ volunteers
06	National Voters Day Celebration	25 th January 2022	300+	300+
07	Azadi ka Amritmahotsav	26 th January till March	NA	2000+

Few Glimpses NSS Voluteers Particiaption in Shasan Aaplya Dari



PCCoE students at CoEP for interaction session



Participation in Sacchagraha Initiative



COVID 19 Vaccination Drive



Art circle Cell

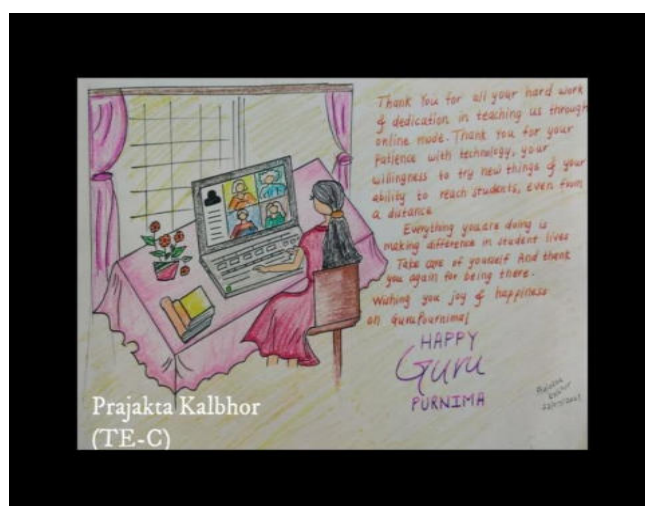
Event Name	Date	Organized or coordinated By	No of Student Participants
Online Gurupornima Celebration	23/07/2021	Mrs. Archana Bhamare and Student Coordinators	04
E&TC – Alumni Meet 2021	25/09/2021	Dept of E&TC & Art Circle Student Coordinators	03
Alumni Meet 2021	20/11/2021	Dept of E&TC & Art Circle Student Coordinators	03
Online Teachers Day 2021	05/09/2021	Mrs. Archana Bhamare and Student Coordinators	03
Team Building Refreshment activity	26/03/2022	Mrs. Archana Bhamare and Student Coordinators	8 Faculties
Swartarang 2022	29/04/2022 & 30/04/2022	All Clubs Coordinated Conducted Cultural Programs, Rangoli competition, Drawing, painting, photography exhibition, Kavi Sammelan.	55
Painting Workshop	07/05/2022	Mrs. Archana Bhamare and Student Coordinators	25
Kavisammelan 2022	07/05/2022	Mrs. Archana Bhamare and Student Coordinators	12 students + 4 Faculties

Name of the event: Online Gurupornima Celebration

Brief information of event: Due to COVID-19 pandemic situation Gurupornima video was shared to all faculties and staffs on 23/07/2021. Students wish all the guru's through dance activity, poetry and some of the greeting card messages. Based on these performances video was prepared by Art Circle Student coordinators which was appreciated by all E&TC faculty and staff.

Faculty Coordinator: Mrs. Archana Bhamare

Student Coordinator: Maitreyee Hatwalane, Mihir Sontakke, Tanaya Saphashwa, Amey Nerkar



Name of the event: Alumni Meet 2021

Brief information of event:

This session was successfully organized in online mode by E&TC Dept., PCCoE on **25th September 2021 and 20th November 2021** respectively through E&TC Art Circle. Timing was 9:00am – 12:00pm. Art Circle students performed different activities like Singing, Dancing, Poetry and Drama named “Mai Dekhu Toh 6 Tu Dekhe Toh 9”. All alumina and faculties enjoyed & appreciated the students performances during the session.

Faculty Coordinator: Prof. Archana Bhamare

Student Coordinator: Maitreyee Hatwalane, Mihir Sontakke,
Tanaya Saphashwa, Amey Nerkar



Name of the Event : Online Teachers Day 2021

Brief information of event:

Teacher's day is celebrated all over the world in commemoration of Dr. Sarvepalli Radhakrishnan. This event was celebrated on 5th September 2021 in ENTC Department. It was coordinated by Art Circle Coordinator, Mrs. Archana Bhamare and Art Circle cell student coordinators. Students expressed their true inner emotions and presented it in a very effective manner through the video. Every faculty responded very enthusiastically and positively after watching this video. It helped to release their stress during this crucial period. Thus the event was conducted.

Faculty Coordinator: Mrs. Archana Bhamare

Student Coordinator: Maitreyee Hatwalne, Mihir Sontakke,
Tanaya Saptashwa and Ameya Nerkar

Name of the Event : Team Building Refreshment Activity

Brief information of event:

Team Building Refreshment Activity was conducted on Saturday, 26th March 2022 in ENTC Department. 8 interested faculties attended this activity and responded in a very positive way. The activity was fun-filled and every faculty involved with full enthusiasm. Overall it was a good experience for the faculties. Feedback from the faculties was also recorded. Faculty enjoyed and got to learn many new things. Finally, Dr. M. T. Kolte Sir, Head of the Department also appreciated the activity.

Faculty Coordinator: Mrs. Archana Bhamare



Name of the Event : Painting Workshop

Brief information of event:

Rangoli Painting workshop was successfully conducted by Miss. Renuka Yugaonkar on 7th May 2022 in ENTC Department. 25 interested students attended this workshop and responded in a very positive way. Workshop was all about different and innovative ideas of painting also students were given a direction how to think about a painting. Overall the event was a good experience for the students. Feedback from the students was also recorded and students enjoyed and got to learn many new things. Certificates were issued to all participants. The workshop was fun-filled and the students participated with enthusiasm.

Faculty Coordinator: Mrs. Archana Bhamare

Guest Speaker: Ms. Renuka Yugaonkar

Student Co-coordinators: Tanaya Saptashwa, Ameya Nerkar, Poonam Bagla and Shashank Bhojar





Name of the Event : Kavisammelan 2022

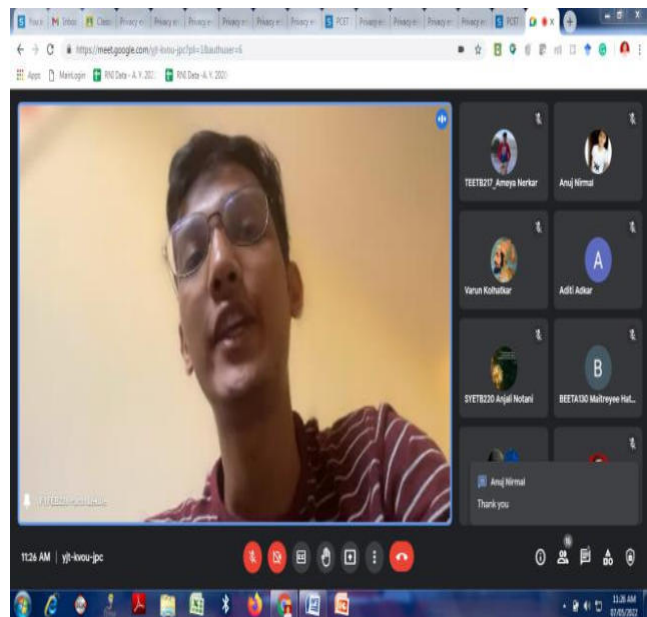
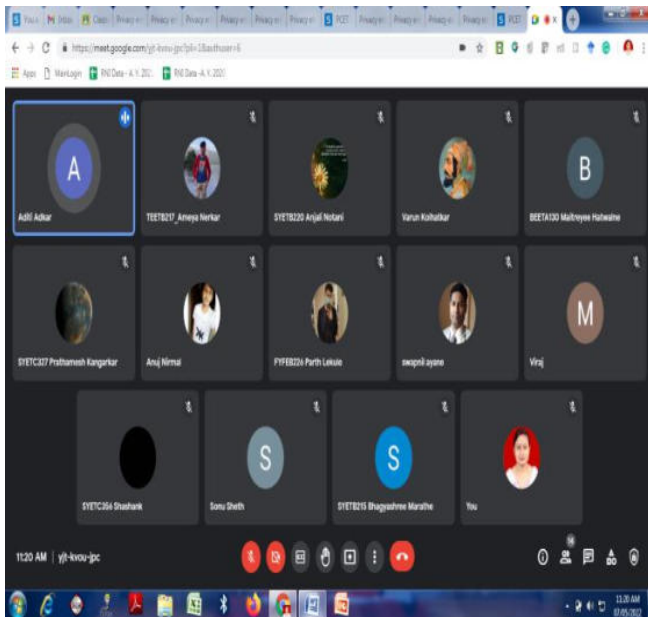
Brief information of event:

Kavi S sammelan 2022 was conducted on 7th May 2022 in ENTC Department. This event was coordinated by E&TC Art Circle Cell. Total 10 students and 4 faculties participated in this online event and responded in a very positive and amazing way. Few students attended and enjoyed this event. Program was started with Welcome speech. Students and faculties got platform to showcase their talent.

Faculty Coordinator : Mrs. Archana Bhamare

Student Co-coordinators:

Tanaya Saptashwa, Ameya Nerkar, Poonam Bagla and Shashank Bhojar



Institute Social Responsibility (ISR) Cell

Sr. No	Name of the Technical training / awareness program/Other activity	Duration/ Day & date	Name of the beneficiary from Society	Number of beneficiary	No of students involved from Department
1	Cloth Donation	8 (21 st Oct to 28 th Oct 2024)	Labour working on construction sites	25	18
2	E Waste collection	5 (18 th Nov to 22 Nov 2024)	Community	All living being	15
3	Book donation drive	1(11/4/2025)	Orphanage school students	250	7
4	Computer literacy and Music teaching.	1(15/4/2025)	Underprivileged students	27	8

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

Sr. No.	Activity	Date	Type Social/ Technical	No. of Students Benefite	Name of Resource Person and organization
1.	Orphanage Visit	15/8/21	Social/ Non-Technical	80	NA
2.	Learn to Interface Sensors	28/8/21	Technical	165	Mr. Swapnil Inamdar , Utkarsha Chinchore , Mr. Aditya Pandey
3.	Financial Literacy	3/9/21	Non-Technical	28	Mr. Sameer Pakale
4.	Coding Competition	15 and 16/9/21	Technical	23	NA
5	A three day virtual technical fest " <u>FestX 2021-22</u> "	8/10/21 to 10/10/21	Technical	300+	Mrs. Ankita Hemnani, Expedia Group
6	Three days online workshop on "Statistical	17th Nov to 19th Nov.	Technical	32	Dr.Harpale, Dr.Kinage, Dr. Ashwini Despande, Dr. Reebute
7	PCB Design Seminar	30/03/2022	Technical	123	Kaushal Kulkarni, Shivani Singh

8	Cleverbot	13 th Feb 2022	Technical	115	NA
9	Treasure hunt	30 th April 2022	Non-Technical	125	NA
10	PBL Project Competition	31st May 2022.	Technical	175	Internal Faculty Members
11	BE Farewell	3-June-2022	Non-Technical	525	NA

EVENT WISE DETAILS

Name of the event: Orphanage visit

Brief information of event: The students of ETSA-IETE had an opportunity to do things differently on Sunday 15th August 2021, when the ETSA-IETE co-ordinators visited Vikas Anathasharam an Orphanage in Sonawane Vasti Chikhali, to celebrate Independence Day with them. Vikas Anath Ashram is home for orphanage children. Vikas Anath Ashram is an independent Orphanage home run by Mr. Mauli Harkal.



Name of the event : Webinar on “Learn To Interface Sensors”

The ‘Learn To Interface Sensors’ was a one day online webinar organized by ETSA-IETE and Team Automaton. Mr. Swapnil Inamdar B.E.(E&TC) , Miss. Utkarsha Chinchore , Mr. Aditya Pandey TE (E&TC) were the speakers for the session. Mr. Swapnil Inamdar (Captain, Team Automaton) has 3 yrs of experience of participating in event and handling team with great enthusiasm. Miss. Utkarsha Chinchore works as an and circuit designer in the team and Mr. Aditya Pandey as an Electronic circuit designer. They explained about the types of sensors and distance measuring sensors like ultrasonic sensor, IR sensor, TF mini sensor in brief.

Utkarsha Chinchore is presenting

Working Range

The TFMini Plus is a ToF (Time of Flight) LiDAR sensor capable of measuring the distance to an object as close as 10 centimeters (+/- 5cm up to 6m) and as far as 12 meters (+/-1% starting at 6m)! ... 5x21mm

Range	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m
Minimum	4cm	4cm	12cm	16cm	20cm	24cm	28cm	32cm	36cm	40cm	44cm	48cm

11:54 AM | Hands on workshop on Arduino I...

Swapnil Inamdar is presenting

Swapnil Inamdar

77 others

You

In-call messages

Let everyone send messages

So this can be used automatic vehicles too right ?
Is it that quick reactive ?

TEETA108_Kartikkumar Athani 12:33 PM
Means in autopilot vehicles?

TEETB210_Pushkar Mahajan 12:33 PM
Ok thanks

TEETB217_Ameya Nerkar 12:34 PM
These autonomous robots must be having a backup of advanced AI algorithms too right?
Okay thanks

Send a message to everyone

12:38 PM | Hands on workshop on Arduino I...

In-call messages

Let everyone send messages

TEETA114 Shruti Bhavsar 12:42 PM
feedback
link <https://forms.gle/e6bkg7nPhz9Qen6dA>

TEETA108_Kartikkumar Athani 12:42 PM
<https://forms.gle/e6bkg7nPhz9Qen6dA>

TEETA108_Kartikkumar Athani 12:45 PM
Thank You.....

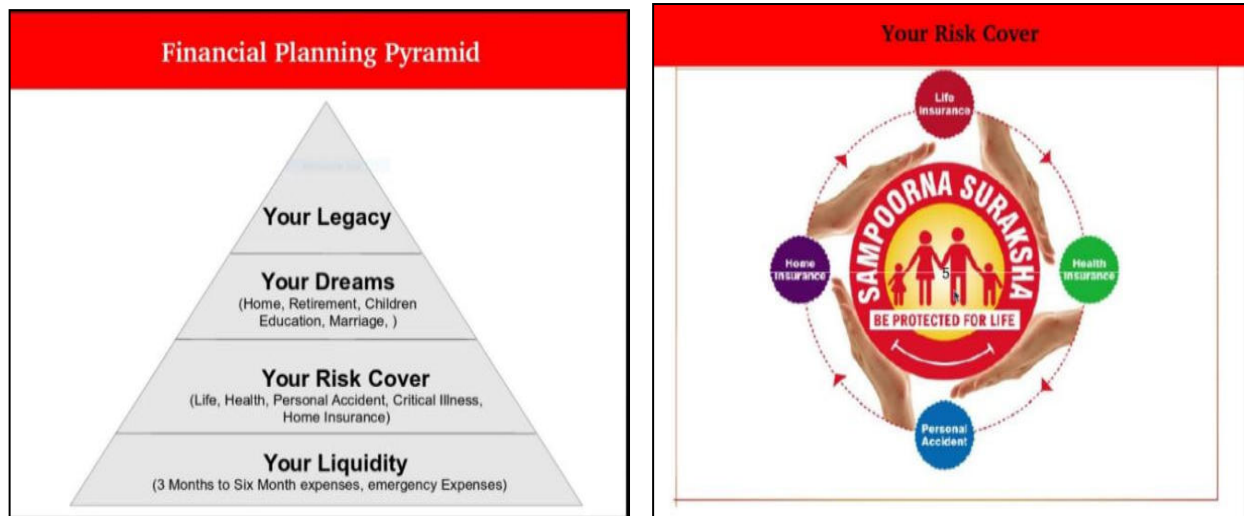
TEETA114 Shruti Bhavsar 12:46 PM
<https://forms.gle/e6bkg7nPhz9Qen6dA>
feedback link

Send a message to everyone

12:47 PM | Hands on workshop on Arduino I...


Name of the Event: Webinar Financial Literacy Awareness Program

Department of Electronics and Telecommunications In Association with Electronics and



Summary

- › Cover your risk first.
- › Start Saving Early.
- › Invest in right asset class.
- › Invest by keeping goals in mind.
- › Equity is long term asset class.
- › Give importance to your Asset Allocation and Portfolio Re-balancing.
- › Do your financial planning with the help of financial planner.



Telecommunication students association (ETSA) , Student Welfare, Anti Ragging and Discipline Cell (SWAD) and Institute Social Responsibility Cell (ISR) arranged Financial Literacy Awareness Program for all students. Mr. Sameer Pakale was the resource person of the session. He explained basic terminologies about finance, investments, tax saving and benefits etc.

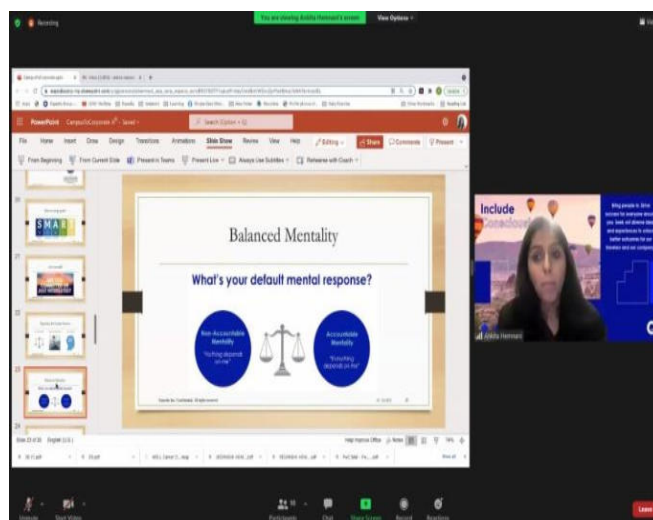
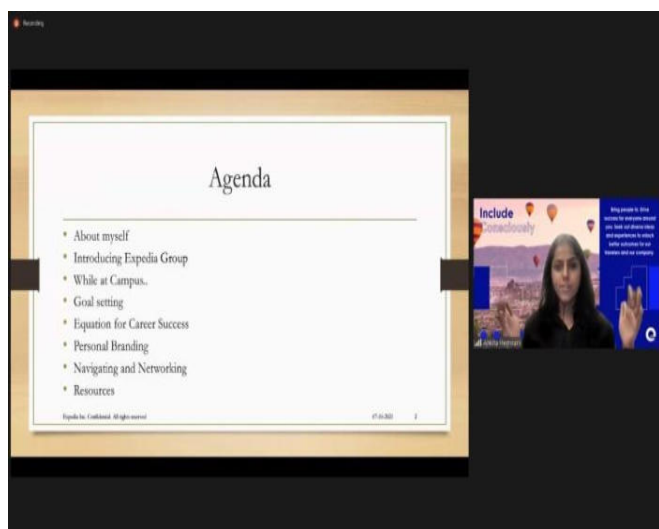
Name of the event : Coding competition

Department of Electronics and Telecommunications in Association with ETSA- IETE student's Forum had conducted a coding competition on hacker rank on Engineer's day 15th Sept. 2021 aiming to increase the problem solving skills of Students in which total 23 students participated. The event was conducted on hacker rank platform.

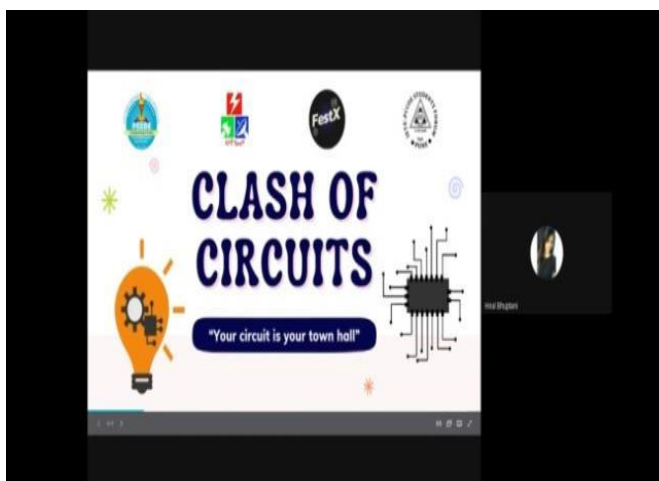
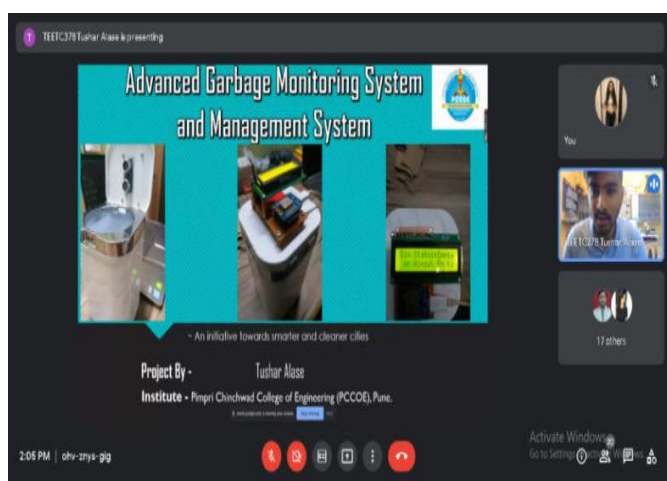
Name of the Event: FestX 2021-22

A National level three day virtual technical fest "FestX 2021-22" organized by Electronics and Telecommunication Student Association (ETSA) in association with IETE-PCCoE Student Forum from 8th October 2021 to 10th October 2021. "FestX" focuses on achieving the desired skillset in a student by bringing forth various technical and non-technical events. The participants' and winners' received certificated whereas winners' received prize money worth 15,000/-.

Glimpses of the Event:



FestX inauguration and a webinar on campus to corporate journey

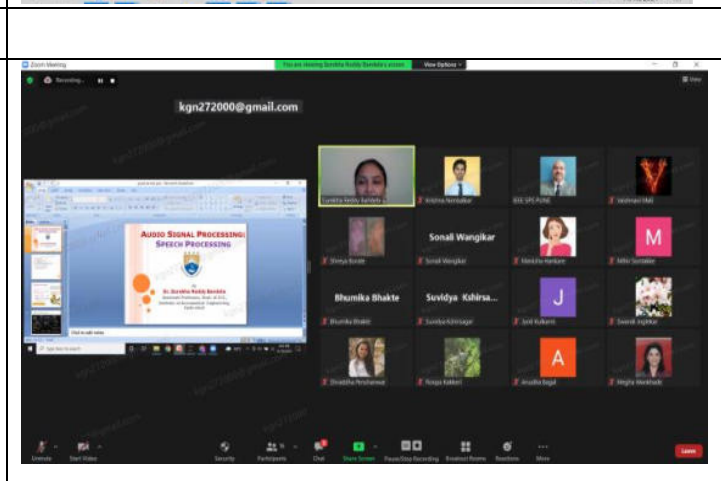
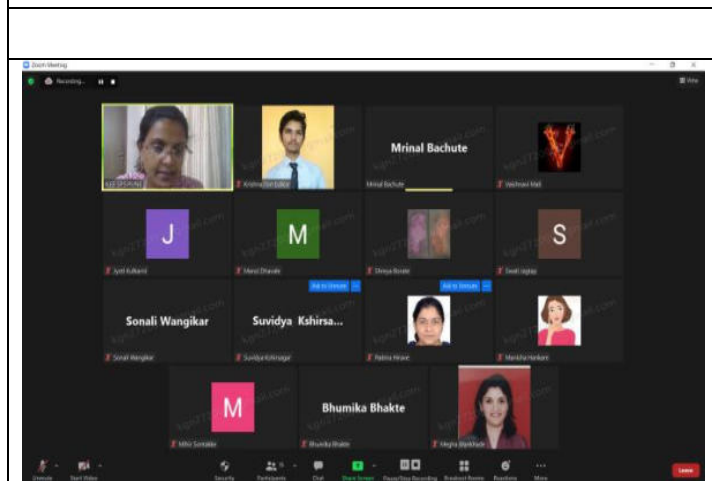
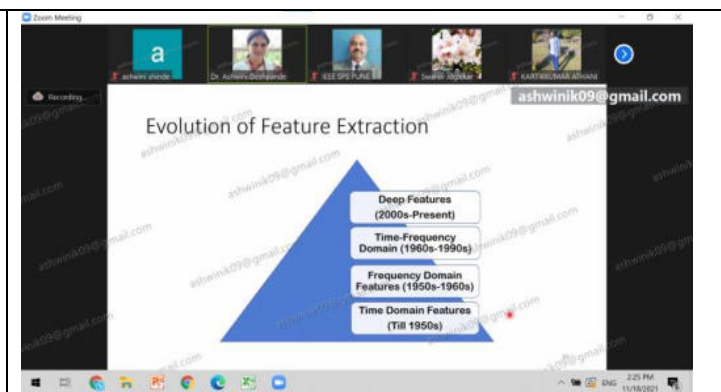


Name of Event: Three days online workshop on "Statistical Analysis for Audio and Biomedical Signal Processing"

Department of Electronics and Telecommunication Engineering had organized Three days' online workshop on "Statistical Analysis for Audio and Biomedical Signal Processing" in association with IEEE Signal Processing Society, Pune Chapter.

Date	Session No.	Timing	Topic	Resource Person
17 th Nov 2021	1	2.00 pm to 3.45 pm	Time and freq. domain feature extraction Demonstration in MATLAB	Dr. Mrs. Varsha Harpale, Pimpri Chinchwad College of Engg, Pune
	2	4.00 pm to 6.00 pm	Dimensionality reduction problem, methods for feature selection	Dr. K. S. Kinage Pimpri Chinchwad College of Engg, Pune

18 th Nov 2021	3	2.00 pm to 3.45 pm	Audio Signal Analysis: Feature Extraction.	Dr. Mrs. Ashwini M. Deshpande MKSSS's Cummins College of Engineering for Women,Pune
	4	4.00 pm to 6.00 pm	EMG based biomedical case study	Dr. Mrs. Archana Kanawade Assistant Prof. COE, Sinhgad Narhe
19 th Nov 2021	5	2.00 pm to 3.45 pm	Case Study : Speech Processing	Dr. Mrs. Mrinal Bachute Symboisis Institute of Tech, Pune
	6	4.00 pm to 6.00 pm	Case Study: Audio Signal Processing using Python	Dr. Mrs. Surekha Reddy Bandala Institute of Aeronautical Engineering, Hyderabad



Name of the event : “PCB Design Seminar”

The ‘PCB Design Seminar’ was a one day session organized by ETSA-IETE and Team Automaton members. Mr. Kaushal Kulkarni, Ms. Shivani Singh were the speakers for the session. Mr. Kaushal Kulkarni, Head of advanced manufacturing and advanced manufacturing process, has 3 years of experience of participating in events and handling teams with great enthusiasm. Miss Shivani Singh, Senior PCB Designer and Researcher, works as an PCB and circuit designer in the team.



Name of the Event: Cleverbots

A technical virtual event **Cleverbots** is organized by Electronics and Telecommunication Student Association (ETSA) in association with IETE-PCCoE Student Forum on 13th February 2022. In Round 1, all 115 students appeared to aptitude test. Shortlisted 37 students participated in coding round on hacker rank platform. All the participants were Students from F.Y. and S.Y. B.Tech from all branches.

Name of the Event: Treasure Hunt

A non-technical event, treasure hunt, was organized by Electronics and Telecommunication Student Association (ETSA) on 30th April 2022. The winning team got cash prize of rupees 3000/- followed by cash prize of rupees 2000/- and 1000/-. Total 125 groups participated in the event.

Name of the event: PBL project exhibition.

Department of Electronics and Telecommunications in Association with ETSA- IETE student's Forum conducted PBL project exhibition on 31st May 2022. This event was considered as review two for students. Various software and hardware projects were assessed by PhD scholars of PCCoE PhD center. This Event was conducted in two rounds. Total 84 groups participated. Faculty Coordinators were Dr. Deepti Khurje, Mrs. A. S. Shinde, Mrs. Shweta Devdas, Ms. Vaishnavi Pujari.

Name of the Event: Hasta La Vista (Farewell 2022)

Hasta La Vista- Farewell 2022 started with an Inauguration Ceremony with blessings from Lord Ganesha. Guest of honour, **Dr. N. B. Chopade, Dr.S.U.Bhandari** addressed students of all three batches (21-22,20-21& 19-20).

