



LOADING
PLEASE WAIT...

**WE SEE DEPARTMENTS
DIFFERENTLY**

E&TC



MODERN EDUCATION SOCIETY'S
COLLEGE OF ENGINEERING

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Department of Electronics & Telecommunication
Newsletter Volume – 15 Issue 24, Jan-May 2022

VISION

To Groom - Motivated, Environment friendly, Self-esteemed, Creative and Oriented Engineers.

MISSION

To Develop Industry Oriented Manpower to accept the challenges of Globalization, by promoting Value Education through motivated trained faculty, by maintaining conducive environment for education at affordable cost, by promoting Industry Institute interaction, by involving alumni.

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FROM HOD'S DESK

It gives me an immense pleasure to write a few words for our newsletter. Education plays an important role in enabling a person to face a real-life situation with adequate knowledge. The current era is referred to as the era of Information and Technology. Sustained advancement in the previous decade has led to the burst of Internet and Wireless Communication. The processing performances once exclusive to Super Computers are now available in handheld personal digital devices. Improvements in Integrated Circuits have enabled space explorations, made automobiles more efficient, revolutionized the nature of warfare and brought vast libraries of information into our Web Browsers and made world a more interdependent place. As a part of this, MESCOE has made outstanding progress in academic, co-curricular, extra-curricular activities.

We, as Electronics & Telecommunication department always expose our students to various activities such as ASTITVA, ROBOCLUB, E-BAJA, ETSA, etc. My best wishes to all the readers for scaling bigger success and achieving newer heights in future!

Dr. P.P Mane
HOD, E&TC

FROM THE EDITOR'S DESK

Greetings!

Through this newsletter I had the opportunity to reflect our departmental activities carried out in last semester. This newsletter is intended to be published twice in an year. It would be a snapshot of the various activities and advancements for all associated with E&Tc department.

I am delighted to stay connected with you through this Newsletter 2021-22 which contains the details about the activities carried out in the last semester.

I appreciate your support and feedback






Prof. U. D. Dattasamje

STAFF MEMBERS






Sr. No.	Abbreviations	Full Name
1.	AJH	Dr. A. J. Hake
2.	PPM	Dr.Pranoti.P. Mane
3.	MPD	Dr. Manisha.P .Dale
4.	PBC	Dr. Pravin.B. Chopade
5.	PNK	Dr.Prabhakar.N. Kota
6.	BMN	Prof. Bharti.M. Narute
7.	SND	Prof. Shrinivas. N. Dharwadkar
8.	KST	Dr. Kanchan. S. Tiwari
9.	AAD	Prof. Aparna. A. Dhavalikar
10.	RSK	Dr. Rekha. S. Kadam
11.	SSP	Prof. Sunil. S. Pansare
12.	UVB	Prof. Usha. V. Bomble
13.	NM	Prof. Nabega. Masood
14.	YMA	Prof. Yogita. M.Ajgar
15.	UDD	Prof. Uma. D.Dattasamje
16.	MMD	Prof. Mrinai. M.Dhanvijay
17.	PMB	Prof. Priyanka.M. Bagul
18.	PST	Prof. Priyanka. S. Tondewad
19.	PN	Prof. P. D. Nandanwar
20.	NPJ	Prof. N. P. Jangale
21.	SST	Prof. S. S. Taori

CLASS TOPPERS :





TOPPERS OF SE

				
MADHUR BAGWE	HONDE ROHAN	SALGARKAR SUDNYA	TOMAR ANSH	BANDAL SAKSHI
SGPA 9.82	SGPA 9.77	SGPA 9.73	SGPA 9.73	SGPA 9.68

TOPPERS OF TE

				
BORBALE DIPAK	BOTRE ARNAV	GILBILE ROHAN	GARAD SAKSHI	JADHAV RUTIKA
SGPA 10	SGPA 10	SGPA 10	SGPA 10	SGPA 10

TOPPERS OF BE

				
KOLHE JYOTI	SHANBAG KUMUDA	SONALI RANMALE	OZA YASH	RAUT ADITYA
SGPA 10	SGPA 10	SGPA 10	SGPA 9.95	SGPA 9.95

Faculty Achievement / Special Work :

Title of paper	Name of the author/s	Name of journal	Year of publication
Reduction of reflection and defect detection for metallic jobs using Superresolution Method on Hardware platform	Dr. Prabhakar N. Kota	Turkish Online Journal of Qualitative Inquiry	Jul-22
“Human emotion recognition based on block patterns of image and wavelet transform	Dr. Prabhakar N. Kota	International Journal of Advanced Technology and Engineering Exploration	Oct. 2022
Reduction of reflection and defect detection for metallic jobs using Superresolution Method on Hardware platform	Dr. P. B. Chopade	Turkish Online Journal of Qualitative Inquiry	Jul-22
“Human emotion recognition based on block patterns of image and wavelet transform	Dr. P. B. Chopade	International Journal of Advanced Technology and Engineering Exploration	Oct. 2022
Human off Angle IRIS Liveness Detection Based on Fusion of DCT and Zernike Moments	S. N. Dharwadkar	International Journal of Computing and Digital Systems	Jan-22
Energy aware MAC protocol with mobility management in wireless body area network	Mrinai M. Dhanvijay	Peer-to-Peer Networking and Applications, Springer	Oct-21
Image Resolution Enhancement of Satellite Images using dyadic integer coefficient wavelet filter for wavelet transform	Dr. Prabhakar Kota	IT in Industry	2021

Name of the teacher	Title of the paper	Name of the conference	Year of publication
Prof. Pratiksha Nandanwar	Fog Computing in Internet of Things	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22

	Analysis of Pixel Intensity Variation By Performing Morphological Operations For Image Segmentation On Cervical Cancer Pap Smear Image	IEEE International Conference on Computational Intelligence and Computing Applications-21 (IEEE-ICCICA-21)26-27 November , 2021, Nagpur, INDIA	2021-22
Prof. Aparna Kulkarni	Students attendance system using QR code	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	ITSM based virtual agent using Service now	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	Automated Inspection Line Light Intensity Controller.	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
Prof. S. S. Pansare	IoT Based Smart Mirror	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	Smart Home Efficient Energy Management System Using Wireless Intelligent Electronic Control System	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	Smart Plant Monitoring and Control System	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
Dr. Pranoti P. Mane	Voice Enabled Personal Assistant for Laptops using Python	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	Implementation of Robotics chef and Food Quality Evaluation	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	Comprehensive Study of Brain Computer Interface(BCI) with emphasis on Signal Processing Strategies	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
Prof. U.D.Dattasamje	Design and Development of solar charging	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22

	station for Electric vehicle		
Prof. M. M. Dhanvijay	Spam mail detection	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	Comparative Analysis and Simulation of Routing Protocols for Wireless Body Area Network	Lecture Notes in Mechanical Engineering, 2022, pp. 107–119	2021
Prof. B.M.Narute	Brain MRI-CT image fusion using Generative Adversarial Network	6Th IAPR International Conference Computer Vision and Image Processing 2021 organized by IIT Ropar, Punjab on 3-5 December 2021	2021-22
Prof. Yogita Ajar	Key security challenges for women in Metaverse and solutions to overcome those challenges	International Conference on Gender Equality and Women Empowerment (ICGEWE-2022)	2021-22
	Smart Stick For Blind People	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	Real Time Face recognition Based Attendance System	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	Helmet Detection and Number Plate Recognition using Machine Learning	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	AI Based Soft Skill Training Web Application	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
Prof. Priyanka Bagul	Key security challenges for women in Metaverse and solutions to overcome those challenges	International Conference on Gender Equality and Women Empowerment (ICGEWE-2022)	2021-22
	RBSR : Rocker Bogie Surveillance Robot	8 th National Conference on Advancements in Communication, Computing and Electronics Technology	2021-22
	E-Commerce Chatbot	IEEE TECHNICOKNOCKDOWN - 2022 organised by the Department of E&TC Engg, Sinhgad Institute of Technology,	2021-22

		Lonavala Technically Sponsored by IEEE Bombay Section and IETE Pune Local Center	
		Supported by IEEE SITSB & IETEISF on June 05, 2022.	
Prof. Mrinai M. Dhanvijay	CoAP based energy-aware cluster-based mobility management protocol in WBAN health care environment	International Symposium on 5G & Beyond for Rural Upliftment 2020	2020-21
Dr. P. B. Chopade	Image Resolution Enhancement of Satellite Images using Dyadic Integer Coefficient Wavelet Filter for Wavelet Transform	Convergence of Smart Technologies (IC2ST)	2020-21
Dr. P.P. Mane	“Dimensional Fault Detection using Machine Vision”	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	2020-21
Dr. P.N. Kota	Image Resolution Enhancement of Satellite Images using Dyadic Integer Coefficient Wavelet Filter for Wavelet Transform	Convergence of Smart Technologies (IC2ST)	2020-21
Prof. U.V. Bomble	”Smart Drainage Solutions for Industries”.(Best Paper)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	2020-21
Prof. Y.M. Ajar	Speaking system for dumb and deaf using hand Gesture	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	2020-21
Prof. M. M. Dhanvijay	Email spam detection and filtering using Naive Bayes Algorithm	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	2020-21
Prof. P.D. Nandanwar	" Performance Analysis of Image Thresholding Methods On Cervical Cancer For Segmentation "	International Conference on Emerging Trends in Engineering and Technology (ICETET-2021),Nashik	2020-21
			2020-21

Prof. A.A. Dhavlikar.	"Dimensional Fault Detection using Machine Vision"	7TH NATIONAL CONFERENCE ON ADVANCEMENTS IN COMMUNICATION, COMPUTING AND ELECTRONICS TECHNOLOGY-ACCET 2021	
Dr. K.S. Tiwari	Credit Card Fraud Detection: A Comparative Study	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	2020-21
Prof. S.S.Pansare	Microcontroller based Safety system for Railway workers"	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	2020-21
Dr. Kanchan Tiwari	Interfacng of Sensors with FPGA Board Using I2c Protocol	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	2020-21

WORKSHOP / FDP ATTENDED :

Name of teacher	Name of conference/ webinar/FDP/ FOW/workshop attended
Prof.S.S.Pansare	participated in the "One Week National Level STTP on LaTeX" organized by Department of E&Tc and R&D Cell-MESCOE, Pune-01 and sponsored by Board of Student Development SPPU Pune
	attended "One Week Online STTP/Refresher Program on Project Based Learning" organized by Department of E&TC, AISSMS COE Pune i n association with BoS(E&TC) SPPU & ISTE New Delhi
	worked as a organizing team and chaired a paper presentation session in "ACCET 2022", 8 th National Conference on Advancements in Communication, Computing and Electronics Technology
	Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC
Dr.P.N.Kota	One week online Certificate Course on Digital Teaching Techniques organized by ICT Academy from 6th – 9th Jan 2021.
	Two day online Faculty Orientation Workshop on SE(E&TC/Electronics) Revised Syllabus 2019 Course for the Subject Data Analytics Lab Organized by AIT, Pune on 21st -22nd Jan 2021
	has participated in the "One Week National Level STTP on LaTeX" organized by Department of E&Tc and R&D Cell-MESCOE, Pune-01 and sponsored by Board of Student Development SPPU Pune held on .
	Three days online Faculty Orientation Workshop on TE(E&TC/Electronics) Revised Syllabus 2019 Course for the Subject Network Security under the aegis of Board of Studies (E&TC/Elex.), Savitribai Phule Pune University, organized by, Dept. of E&TC Engineering,

	STES, Smt Kashibai Navale College of Engineering Pune, from 31/01/2022 to 02/02/2022.
	organized Elocution Competition on “Speak Your Minds”
	Organized Workshop on “Intellectual Property Rights and (IPR’s) and IP Management for start-up”
Prof. Y.M. Ajar	1 week STTP on "Project Based Learning"
	2 weeks training program for faculty members on AICTE Student Learning Assessment – STTPPARAKH in collaboration with Construction Industry Development Council (CIDC)
	Online FDP on Introduction to machine Learning
	Online FDP on Development of Machine Learning Techniques for solving real world problems
	One Week (Five Days) FDP on “R - Programming” organised by computer dept. MESCOE in association with SPoken tutorials
	1 week National Level STTP on LaTeX
Prof.M.M.Dhanvijay	1 week FDP on "Product Design, Development and Manufacturing Through a Boot camp "
	One Week Online STTP/Refresher Program on Project Based Learning
	One Week (Five Days) FDP on “R - Programming” organised by computer dept. MESCOE in association with SPoken tutorials
Mrs. P. M. Bagul	1 week STTP on "Project Based Learning"
	1 week FDP on "Introduction to Machine Learning"
	Faculty Orientation Workshop on TE (E&TC) revised syllabus (2019 Course) under the aegis of Board of Studies (E&TC), Savitribai Phule Pune University
	1 week National Level STTP on LaTeX
	2 weeks training program for faculty members on AICTE Student Learning Assessment – STTPPARAKH in collaboration with Construction Industry Development Council (CIDC)
Dr. K. S. Tiwari	
	has participated in the “One Week National Level STTP on LaTeX” organized by Department of E&Tc and R&D Cell-MESCOE, Pune-01 and sponsored by Board of Student Development SPPU Pune held on .
	completed ISTE approved Online/SF-STTP/FDP Programme on “Project Based Learning (PBL)” organized by AISSMS College of Engineering, Pune, Maharashtra
	One Week (Five Days) FDP on “R - Programming” organised by computer dept. MESCOE in association with SPoken tutorials
	Online Admission and OBE organised by Mastersoft ERP Solutions Pvt Ltd.
	completed NPTEL Swayam course equivalent of 5 days FDP on Enhancing softskills and Personality
	participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Smart cities for sustainable development" at Motilal Nehru National Institute of

	Technology Allahabad.
Prof.U.D.Dattasamje	One Week Online STTP/Refresher Program on Project Based Learning
	One day workshop on “Patent drafting and filing procedure at Indian patent office”
	One Week National Level STTP on LaTeX
	Faculty Orientation Workshop on TE(E&TC) revised syllabus (2019 Course) on Network Security [304195 (E)] by Dept. of E&TC Engineering, STES, Smt Kashibai Navale College of Engineering Pune
	Faculty Development Program on “Outcome Based Education and NBA Perspective ”
	Faculty Orientation Workshop on TE(E&TC) revised syllabus (2019 Course) under the aegis of Board of Studies (E&TC/Elex.), Savitribai Phule Pune University, organized by, Dept. of E&TC Engineering, Marathwada Mitra Mandal's College of Engineering, Karvenagar, Pune
Prof. B.M.Narute	Network Security [304195 (E)] Faculty Orientation Workshop on TE (E&TC) revised syllabus (2019) under the aegis of Board of Studies (E&TC/Elex.), Savitribai Phule Pune University, organized by, Dept. of E&TC Engineering, STES, Smt Kashibai Navale
Dr. Rekha Shahikant Kadam	has participated in the “One Week National Level STTP on LaTeX” organized by Department of E&Tc and R&D Cell-MESCOE, Pune-01 and sponsored by Board of Student Development SPPU Pune held on .
	One Week (Five Days) FDP on “R - Programming” organised by computer dept. MESCOE in association with SPOken tutorials
	Faculty Orientation Workshop on Cellular Networks organized by M.V.P. S K ABGT CoE, Nashik 13
	worked as a organizing team and chaired a paper presentation session in “ACCET 2022”, 8 th National Conference on Advancements in Communication, Computing and Electronics Technology

DEPARTMENT ACTIVITIES :

Women’s Day Celebration

Date: 8th March 2022

Total Participants: 44 faculty and 10 committee members

Platform: Offline – Seminar Hall 514

❖ Objectives:

1. To celebrate the spirit of womanhood and acknowledge their contributions.
2. To increase participation of ladies faculty members in social activities.
3. To understand the importance of “*Magic of Self-love*”

❖ Glimpse of the Event:



Event Name: Proteus Workshop

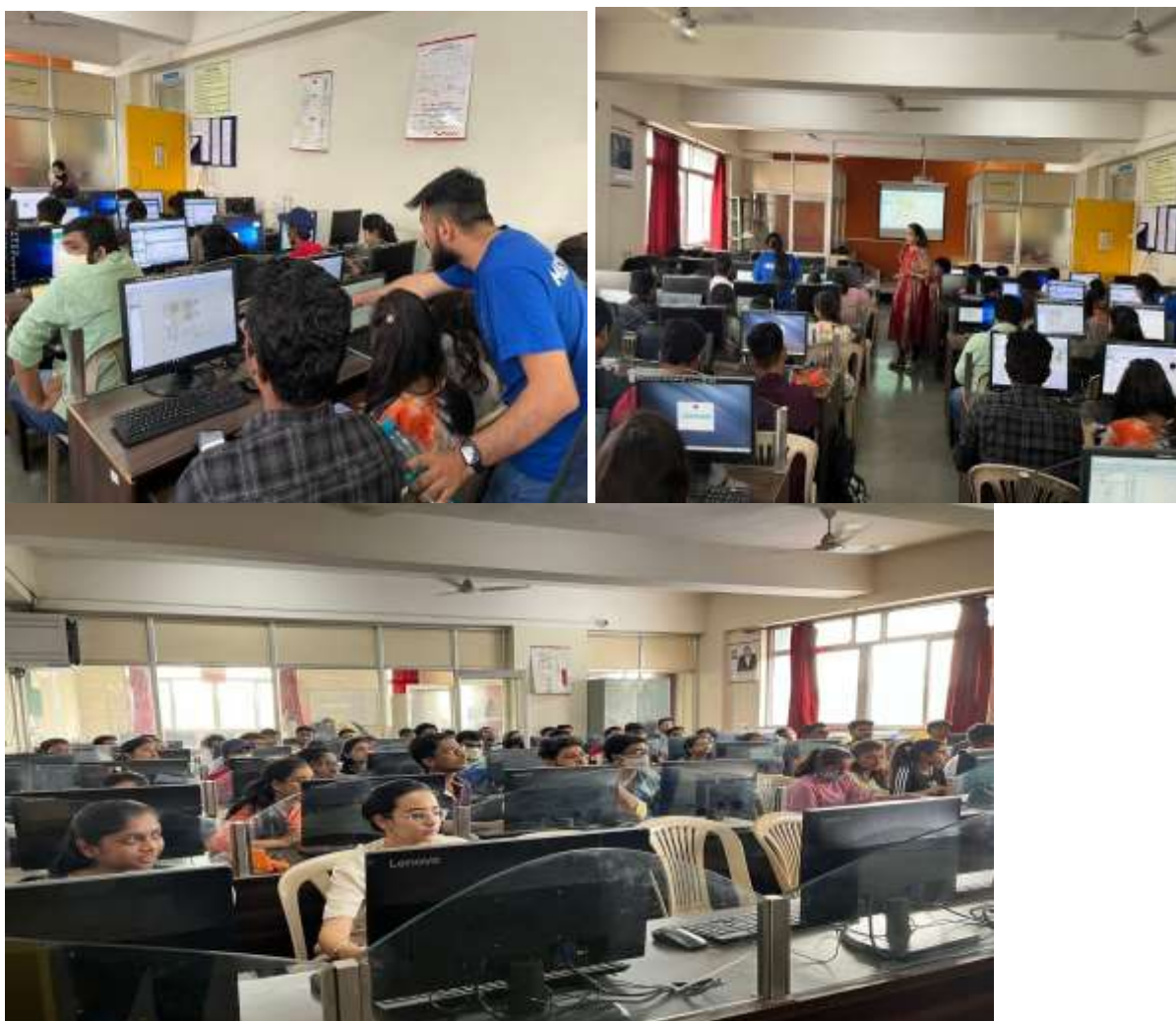
Date: 21 and 23 April 2022

Time: 9am to 11 am of 21ST April and 10 am to 12:30 pm on 23 April

Total students: 90

Objectives:

- 1.** To conduct an offline workshop for where students will gain the knowledge about Proteus software.
- 2.** Let the students gain knowledge about how to use the software which would help them in their future projects.



Expert Lecture on Digital Communication - Spread Spectrum Modulation

Event Name	Empowering One's Confidence
Date & Time	2/5/2022, 3hours
Chief Guest	Mr. Sushant Kolhatkar from " The Happiness Hub
Important dignitaries attended	TE (E&TC) A and B division Students
Photographs	



Guest Lecture on Project Implementation by Industry Expert.

Event Name	Guest lecture by Industry Person on UG Project
Date & Time	26 th Sept. 2020 at 10AM
Chief Guest	Saurabh Sharma

SP Shivaji Patil	MS Muskan Kataria	AT Anshika Joshi
SS4 Shreyas Mali	NS Pankaj Jagtap	AK Anjali Kharate
SS Shubham Bhadange	PK Pratik Saksani	DI Dr. Neha Kulkarni Ingole
SS4 Shubham Marathe	PK Pratikha Kumbhar	SK Sumanth Gupta
SS Shubham Gulve	PK Parvika Gadhkar	JK Jyoti Joshi
SK Sakshi Sutar	PK Parvika Gadhkar	PK Pratikha Kumbhar
SK Sandhya Parulkar	PK Parvika Gadhkar	PK Pratikha Kumbhar
SK Saraj Patil	PK Parvika Gadhkar	PK Pratikha Kumbhar
SK Vinayak Dagle	PK Parvika Gadhkar	PK Pratikha Kumbhar
SK Tanvi Halyekar	PK Parvika Gadhkar	PK Pratikha Kumbhar
SK Tanvi Hadyal	PK Parvika Gadhkar	PK Pratikha Kumbhar