

M.E.S's WADIA COLLEGE OF ENGINEERING, PUNE - 411001

**DEPARTMENT ACTIVITY
REPORT YEAR 2024-25
(SEM-II)**

**DEPARTMENT OF ELECTRONICS &
TELECOMMUNICATION ENGINEERING**

Activity Incharge

Prof. B. M. Narute

Prof. U.D. Dattasamje

HOD

Dr. P. P. Mane

Principal

Dr. M. P. Dale

**DEPARTMENT ACTIVITY REPORT FOR THE YEAR 2024-25 SEM-
II DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING**

Term Duration –II: From 1/01/2025 to 30/04/2025

No. of Instructional days: 90

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A. Academic & Activity Calendar:-

Sr No	Institutional Development Activity	Activity Details	Group Leaders	IDC Department Coordinator		Detailed Activities	Planned Week
A	Management Review	Review of Activities 1,2,3,4. (Attendees: P, VP, Heads, Deans, IQAC,CEO, Registrar, Librarian, TPO with Trustees)	Principal / Vice-Principal	PPM			
B	Department Review	Monitoring and execution of activities 1,2,3,4(Attendees: P, VP, Heads, Deans, IQAC, CEO, Registrar, Librarian, TPO)		PPM			
				MPD			
		Academic Activity	VNR (Dean)				
1	Academic Monitoring / Examination Cell	Academic Monitoring, Academic Audit	KST (E&TC)	KST/BMN	PPM,PNK,SSP	Workload Distribution & inform to faculty	W-2,W-1,W1
					PPM,PNK,KST,SND	Preparation of Academic Calendar,	W-2,W-1,W1
					PST	Time table & Display	
					Class Teacher	Attendance Monitoring (Monthly Defaulters' list & Action Plan)	W5,W10,W17
					RSK,KST,SDG	parent-teacher coordinator,Parents Meet (& Action Plan Implementation),finding weak and scholler students and action	W7-W9
					PBC,KST,PPM	Academic Audit to review quality of academic processes, teaching learning process (Course file,Over all department) , DAB meeting,	

					PPM,PBC,P NK,KST,S ND,	Review of Department level Files	W3,W19
					YMA	Mid/End term Feedback & its corrective action(all type of feedback))	W11- 12,W17- 18
					UDD,BMN	End Sem Department Report (including END Sem Reports)	W3,W21
					KST,BMN, SST	Academic Calender Monitoring and maintaining file...	W4-17
Sr No	Instutional Development Activity	Activity Details	Group Leaders	IDC Departmen t Coordintor		Detailed Activities	
1	Academic Monitoring / Examination Cell	Examination / Result Analysis / Students Data	PBC (CEO)	AAD	SND,NPJ and Mr. Kate	Student data (Students exam data & Confirmation of Roll Call)	W-2,W- 1,W1
					SND, Mr. Dhebe and Mr. Shinde	Result Data Analysis and Action plan (Remedial Classes)	W8-W10
					MMD,PST, Mr. Kate	CIE-Mid Term/End Term Test (Internal),assi gnment/Tute/ Quizes etc as per accriditation format	W3,W11
						Display Marksheet & Analysis with action plan	W4,W12
					AAD, SND,MCR, Mr. Dhebe	Univ In-Sem Examination and mark entry	W19
					AAD,SND, Mr. Shinde, Mr. Kate	Univ Pr-Or Exam and Marks Entry	W21
		B.E. Project /PBL//Internship	SKW	SSP	RSK, AVS	B.E. Project /TE Seminar	W4,W8, W14,W1 6-W17
					SSP	PBL	
					SSP,YMA	Internship	

		Industrial Visit/ SDP/ Guest Lecture/ Student Association chapter			GVB	AAD,GVB	Guest Lecture / Expert Talk,student Workshop, Student Technical Skill Development Training and student's achievements as per PO	W13
						MMD, Mr. Shinde	Industrial Visit	W10
						PNK, AVS	Professional Student Society Association - IEEE/ISTE/IE TE etc	W11-13
						GVB	ETSA	W12
		Accreditation Process & Quality Ranking	PPM (IQAC)	RSK	MPD, PPM, PBC, PNK, SND, RSK		NBA (PNK)	
						NAAC(SND)		
						NIRF (RSK)	W16	
						ARIIA (MPD)		
							IIC (MPD)	W6,W11 ,W13.W 17
Sr No	Institutional Development Activity	Activity Details	Group Leaders	IDC Departmen t Coordintor			Detailed Activities	Planned Week
		Industry Institute Interaction						
2	Interaction with Outside world Cell	Consultancy / MOU / Grants / Rev. Generation/FDP / Conference / Publications/ Technical/Office Staff Training	SHG	RSK	PSD	MOU with Industry/ Institute/ Research Organisation		
					NM,PST	Grants/ Consultancy/ Revenue Generation		
					YMA,PMB, SST	Workshop/FD P/ STTP/Teachin g and non teaching staff training	W12- W13	
					MMD	Conference & Publication		
			R&D / Innovation / EDC/Incubation/ International Colabaration	RSK	SND, PST	RSK	Incubation / EDP	
					RSK	R&D / Innovation		

		Alumni Association	VNC/YMA	UDD	YMA,PMB, UDD	Alumni Association	
		Student Development and Placement	ACM (Dean)				
3	Student Development and Placement	Placement/CRT	GSP	YMA	PMB,SST	Placement/ Campus Recruitment Training/ Guidance for higher studies & Competitive Exams/Off campus data/Higherstu dies data/Entrepren er data	W1-W21
		All Clubs	SRK Comp	PMB	PMB,PST ,KST, YMA,SDG	Eletro- infinity, Direcing- visions,Engin ers-Connect, Robo Club, GATE club, M Baja, E Baja, etc	W1-W21
		Magazine/Astitva/Jha nkaar/ Newsletter/ NSS /student welfare/Sports/Medic al Test (FE&DSE)	PNK	MMD	MMD,PSD	Magazine	
					UDD,BMN	Newsletter	W3.W21
					NPJ	Astitva/ Day Celebration	W11
					SND, PSD	Jhankaar	
					PSD	NCC / Sports	
UDD	NSS / Student Welfare	W4,W9, W15					
Sr No	Instutional Development Activity	Activity Details	Group Leaders	IDC Depart ment Coordi ntor		Detailed Activities	Planned Week
		Administration	SBS(FE) (Dean)				
4	Administration	Admission Process	Registrar		SSP,PMB,N PJ		W-2-W6
		WebSite/Social Media Marketing /Publicity	PRO		SSP,SDG		W4

	Office Management Cell	Dean Admin				
	Housekeeping & Maintenance	HoD		All Lab Assistants	Department Ambience, class room, corridor	W-2-W21
				RSK ,Lab incharge, Lab Assistants	Facilities and Technical support	
	DSR Verification, Consumable records				GVB, KST, SND and All Lab Assistants	
	Purchase Cell	Dean Admin		PPM,BMN, Mr. Kate and Mr. Shinde		W-2-W4,W18-W22
	Library	Librarian		PST		

B. Activity Details:-

Activity / Events	Term II
Commencement of the Term	SE : 1/01/2025 TE : 1/01/2025 BE : 1/01/2025
Parent Meet to mentoring Students	
Term II : In Sem Exam	S.E. 10/03/2025 to 17/03/2025 T.E: 10/03/2025 to 17/03/2025 B.E.: 10/03/2025 to 17/03/2025
Term Conclusion -	SE. : 25/04/2025 TE. : 25/04/2025 B.E.: 25/04/2025
Defaulter Declaration -	
Practical/OR Exam Start -	BE- 28/04/2025 TE - 28/04/2025 SE-- 28/04/2025
Ends -	BE- 11/05/2025 TE - 11/05/2025 SE-- 11/05/2025
Theory Exam Start:	BE:13/05/2025 SE: 13/05/2025 TE 13/05/2025
Ends -	BE:06/06/2025 SE: 06/06/2025 TE 06/06/2025
Vacation Duration -	19/05/2025 TO 27/06/2025

C. Number of Students Registered/ Detained:-

Class	Term-1		Name of Detained Student/s
	No. of Students	Roll no. of Detained Student/s	
SE	140	--	--
TE	137	-	-
BE	128	-	-

D. Result Analysis: Term wise compared with last Examination

S.E.(E&TC 2019 pattern) Examination Nov/Dec 2024 result under Savitribai Phule Pune University was declared on 31 JAN 2025. The Department congratulates all the students who have successfully cleared examination.

The table shown below indicates the analysis of all the students those who have appeared for the exams.

Rank Holders of S.E

1	CHOTHE SANSKRUTI DHANAJI	9.95
2	SOMWANSHI SNEHA	9.73
3	PATIL SHREYA SHYAMGOUDA	9.32
4	DESHPANDE YASHASHRI NILESH	9.14
5	BERAD RAMESHWAR GOPAL	9
5	CHOURE ADITYA RAJENDRAKUMAR	9

Class	Appeared	Dist	I Class	H II Class	II Class	Pass Class	Full Pass	% of Passing
SE	140	34	25	8	5	0	72	51.42

SUBJECT WISE FAILURE

Sr. No.	Subject	No. of Students Appeared	No. of Students Failed	% Failure
1	Electronic Circuits (TH)	140	21	15
2	Digital Circuits (TH)	140	20	14.28

3	Electrical Circuits (TH)	140	24	17.14
4	Data structures(TH)	140	20	17.14
5	Engineering Mathematics III(TH)	140	50	35.71
6	Electronic Circuit Lab (PR)	138	14	10.14
7	Digital circuits Lab (PR)	138	07	5.07
8	Data Structures Lab (OR)	138	13	9.42

TE (E&TC) 2024-25 SEM-I

T. E. (E&TC 2019 pattern) Examination Nov/Dec 2024 result under Savitribai Phule Pune University was declared on 31 JAN 2025. The Department congratulates all the students who have successfully cleared examination.

TE Topper

Rank	Name of student	SGPA
1	PRADNYA SANJAY GUMASTE	9.67
2	MANASI DILIP JAGTAP	9.52
3	ISHWARI PRASHANT SURWASE	9.38
4	AMOD RAJENDRA DESHMUKH	9.29
4	SUMEDH MAHESH KASTURE	9.29
5	AISHWARYA VIJAY KALE	9.24
5	KARTIK RAMESH KALE	9.24

RESULT ANALYSIS – Nov/Dec 2024 EXAMINATION**T.E. (E&TC) SEM – II**

YEAR	Appeared	Distinction	First class	Hr class	Second class	Pass class	Full Pass	% pass without ATKT
TE	137	50	32	07	08	01	98	71.53

SUBJECT WISE FAILURE

Sr. No.	Subject	2024-25	
		No of students failed	No of students Failed in %
1	304183A DATABASE MANAGEMENT	06	4.37
2	304184A MICROCONTROLLERS	17	12.40
3	304181A DIGITAL COMMUNICATION	10	7.29
4	404184 Elective I (FUND. OF JAVA PRO.)	0/35	0
5	404184C Elective I (COMP. NETWORKS)	09/102	8.82
6	404184D Elective I (DIGITAL SIGNAL PRO.)		
7	304182A ELECTROMAGNETIC FIELD THEORY	09	6.56
8	304188C MICROCONTROLLER LAB	28	20.43
9	ELECTIVE-1 LAB	02 (COMP. NETWORKS)	1.48
10	304186C DIG. COMM LAB	06	4.37
11	304187D DATA. MANAGEMENT LAB	06	4.37

BE (E&TC) 2024-25 SEM-I

B. E. (E&TC 2019 Credit pattern) Examination OCT/NOV 2024 under Savitribai Phule Pune University was declared on **22 JAN 2025**. The College congratulates all the students who have successfully cleared examination.

RESULT ANALYSIS – OCT/NOV 2024 EXAMINATION**B.E. (E&TC) SEM – I**

Rank	Name of student	SGPA
1	BHAVSAR HRISHIKESH BIPIN	9.40
2	BACCHEWAR SAMARTH RAVINDRA	9.30
3	NAIK DEVANSH PARESH	9.25
3	RATHORE DIVYANSHI RAMESH	9.25
4	BARGAJE PRATHAMESH VAIJANATH	9.15
4	SWAPNIL DHONDIRAM AKHADE	9.15
5	KARANDIKAR ANKUR YOGESH	9.00
5	VEERKAR PRANAV PRAKASH	9.00

Batch	Appeared	Dist	I Class	II Class	III Class	Pass Class	Full Pass	Fail	% of Passing
2024-25(2019 PATTERN)	128	69	27	11	5	0	112	16	87.5

SUBJECT WISE FAILURE

Sr. No.	Subject	Head	No. of Students Appeared	No. of Students Failed	% Failure
1	RADIATION & MICROWAVE THEORY	TH	128	09	7.03
2	VLSI DESIGN AND TECHNOLOGY	TH	128	11	8.59

3	CLOUD COMPUTING	TH	128	02	1.56
4	JAVA SCRIPT	TH	45	03	6.66
5	EMBEDDED & RTOS	TH	63	00	00
6	MODERNIZED IOT	TH	20	2	10
7	DEEP LEARNING	TH	61	05	8.19
8	ELECTRONIC PRODUCT DEV.	TH	67	01	1.49
9	LAB PRAC-1(RMT & CLOUD COMP)	OR	128	01	0.78
10	LAB PRACTICE - 2	PR	128	00	00

E. Achievements of Students:

2) List of students placed in various companies

Sr. No.	Student Name	Company Name	Package
1	Abid Afsar Shaikh	Amazon	3.82
2	Akshada Satish Phadatare	Capgemini	4.25
3	Disha Pramod Kumbhakarna	Capgemini	4.25
4	Divyanshi Ramesh Rathore	Capgemini	4.25
5	Preeti Mahesh Borse	Capgemini	4.25
6	Sreeja Ronanki	Capgemini	4.25
7	Tanishka Totankumar Bhowmick	Capgemini	4.25
8	Tejasvi Santosh Jadhav	Capgemini	4.25
9	Vaishnavi Vijay Bavalekar	Capgemini	4.25
10	Vrushali Sunil Jadhav	Capgemini	4.25
11	Jyotika Kumari -	Amazon	3.82
12	Ashlesha Vinay Parab	Infosys	3.6
13	Mayuri Makarand Kadam	Infosys	3.6
14	Nikita Subhash Panchakshare	Infosys	3.6
15	Simintini Balasaheb Pangare	Infosys	3.6
16	Kirti Bhimashankar Manakoji	Tech M	3.25

Jayesh Kuldeep SE(E&Tc) participated as a Wrestler 125 kg category (Greek Roman) achieved Silver Medallist at Inter- College Championship and participated in university Inter Zonal Competition.



Dev Jain TE(E&Tc) achieved Best Wicket Keeper Award at Chatrapati Shivaji Maharaj Cricket Tournament held by AISSMS.

Sanika Dhaiture received Miss MES WCOE 2025 award.



Abbreviations of Staff Members:

Sr. No.	Abbreviations	Full Name
1.	MPD	Dr. Manisha.P .Dale
2.	PPM	Dr.Pranoti.P. Mane
3.	PBC	Dr. Pravin.B. Chopade
4.	PNK	Dr.Prabhakar.N. Kota
5.	BMN	Prof. Bharati.M. Narute
6.	SND	Prof. Shrinivas. N. Dharwadkar
7.	KST	Dr. Kanchan. S. Tiwari
8.	ASK	Prof. Aparna. S. Kulkarni
9.	RSK	Dr. Rekha. S. Kadam
10.	SSP	Prof. Sunil. S. Pansare
11.	UVB	Prof. Usha. V. Bomble
12.	NY	Prof. Nabega. Yusufzai
13.	YMA	Prof. Yogita. M.Ajgar
14.	UDD	Prof. Uma. D.Dattasamje
15.	MMD	Prof. Mrinai. M.Dhanvijay
16.	PMB	Prof. Priyanka.M. Bagul
17.	PST	Prof. Priyanka. S. Tondewad
18.	NPJ	Prof. Namrata P. Jangale
19.	PSD	Prof. Puja Deokate
20.	SDG	Prof.Suchita D. Ganage
21.	SST	Prof. Smita Tikar
22.	KPS	Prof. Kirti Shinde

F. Faculty Activity :

AY 2024-25 Sem II

Sr. No	Name of teacher	Name of conference/webinar/FDP/ FOW/workshop attended	Duration dd-mm-yyyy to dd-mm-yyyy	Name of the professional body for which membership fee is provided/organized ISTE/IETE/Organization	Amount of support received from college (in INR)
	Dr. P. N. Kota	Training on Data Analytics and Visualization using Advanced Excel with an A++ grade, organized by the Academic Skill Development Program, Ministry of MSME, Government of India,	15 April 2025 to 16 May 2025		

		2 Weeks Industrial Training on Image Processing and Deep Learning held during Organized by EduLakes Solutions LLP	06th - 17th January 2025		
		2 Weeks Industrial Training on Generative AI- Novice to Master Organized by EduLakes Solutions LLP	03 -14 February 2025		

H. Faculty Achievement / Special Work :

Faculty Achievement:-

I) International Conferences/National conference:

Sl. No.	Name of the teacher	Title of the paper	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
	Dr. P.P.Mane	A Robust CNN Approach for Multi-Class Skin Disease Detection and Classification	Icoicc 2025 3rd International Conference on Intelligent and Cloud Computing	International	2025			
	U.V.Bomble	" Intelligent Irrigation and Worm Identification "	TKD25	National	2025	ISBN no-978-81-929945-0-5, pp. 41	SIT,Lonavala	IEEE
	U.V.Bomble	Test Automation: HMI & PLC	NCIET 2025	National	2025	NCIET 2025 pg-36	AISSMS,Pune	
	U.V.Bomble	Adaptive PID Controller Tuning	NCIET 2025	National	2025	NCIET 2025 pg-33	AISSMS,Pune	

U.V.Bomble	Test Automation: HMI & PLC	Synergy 2025	National	2025		MESWCoe	
U.V.Bomble	Adaptive PID Controller Tuning	Synergy 2025	National	2025			
S.D.Ganage	Intelligent Spectrum Utilization: Challenges and opportunities in Cognitive Radio Networks	Springer Int. Conf. on ICT for Sustainable Development	International	2025		MESWCoe	Scopus index
S.D.Ganage	Optimized Dual-Band Frequency U-Shaped Slot Squared Microstrip Patch Antenna	IEEE Int. Conf. on Innovative Trends in Electrical, Electronics and Biotechnology Engineering	International	2025		MESWCoe	Scopus index

II) Publications (Journal):-

Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Optimization of PID Controllers Using Groupers and Moray Eels Optimization with Dual-Stream Multi-Dependency	Dr M P Dale	Energies 2025	April 2025	ISSN: 1996-1073	https://www.mdpi.com/1996-1073/18/8/2034

Graph Neural Networks for Enhanced Dynamic Performance					
Open Switch Fault Diagnosis in Three-Phase Voltage Source Inverters Using Single Neuron Implementation	Dr M P Dale	Processes 2025	April 2025	ISSN: 2227-9717	<u>Open Switch Fault Diagnosis in Three-Phase Voltage Source Inverters Using Single Neuron Implementation</u>
”Simulated Annealing-Salp Swarm Algorithm based Variational Autoencoder for Peakto-Average Power Ratio Reduction”	Dr. P. B. Chopade	International Journal of Computer Networks & Communications (IJCNC)	,May 2025	Vol.17, No.3, May 2025(Scopus),pp.23-38	
”Simulated Annealing-Salp Swarm Algorithm based Variational Autoencoder for Peakto-Average Power Ratio Reduction”	Dr. P. N. Kota	International Journal of Computer Networks & Communications (IJCNC)	May 2025	Vol.17, No.3, May 2025(Scopus),pp.23-38	
Global-Local Self-Attention-Based Long Short-Term Memory with Optimization Algorithm for Speaker Identification	Dr. P. N. Kota	IIUM Engineering Journal,	Jan. 2025	Vol. 26 No. 1, ,(Scopus) pp. 278-292 E-ISSN: 2289-7860	

Online Credit Card Fraud Detection Using Bi-Strategy based Artificial Hummingbird Algorithm with Least Square Support Vector Machine	Dr. P. N. Kota	International Journal of Intelligent Engineering and Systems,	March 2025	Vol.18, No.4, (scopus)pp.8 69-880	
AI And Machine Learning for Optimizing Renewable Energy Systems in Engineering Management	S. D. Ganage	Nanotechnology Perceptions	2024	ISSN 1660-6795.	https://nanontp.com/index.php/nano

II) Special Achievement:-

Sr No.	Name of Faculty	AY 2024-25	Achievement
	Dr. Prabhakar N. Kota	April 2025	Completed Industrial Training on Data Analytics and Visualization using ADVAN, conducted by the Academy of Skill Development, from 15 April 2025 to 16 May 2025 (4 weeks).

Patent Publication

Dr. Rekha Shashikant Kadam, KST, MPD, MMD	Design Patent 444846-001	20/01/2025	India	Biometric Authenticating Wrist band
Suchita Ganage	202541036730	9/5/2025	India	Predictive analytics model for assessing stroke risk using ensemble machine learning
Dr. K. S. Tiwari	202541018534	21/03/2025	India	Patent: IoT based Smart Walking for visually challenged peoples using AI
Dr. P. N. Kota	456350-001	23/04/2025	India	Wearable Smart Shoe
Dr. P. N. Kota	467615-001	28/07/2025		Portable Grid Analyzing Device

Dr. M. M. Dhanvijay, Dr. R.S.Kadam		N20/01/2025	National	Patent granted on BIOMETRIC AUTHENTICATING WRISTBAND on 20/01/2025
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Dr. M. M. Dhanvijay: Syllabus Framing Expert: SPPU SE 2024 syllabus MDM-2(Object oriented Programing)

Dr. M. M. Dhanvijay: Coordinator: National Conference SYNERGY 2025 on 4th apr 2025

Dr. M. M. Dhanvijay: Coordinator 2nd International Symposium on“The Impact of AI on Learning and Industry Jobs” SYNERGY 2025 on 5th Apr 2025

Dr. P. M. Bagul: Completed PhD in July 2024

Dr. P. M. Bagul :Participated in National level Robotics competition Robocon 26 at New Delhi

Dr. P. M. Bagul Participation in DIPEX 25

Dr. R.S.Kadam: Session Chair - NTPC 2025 at AISSMS CoE,Pune

Dr. R.S.Kadam Coordinator - IETE Project Competition NLPC-2025

Dr. P.N. Kota Elected as Executive Committee (EC) Member of IETE Pune Centre for the tenure 2024–2026.

Dr. P.N. Kota Received 3rd Best IETE Students’ Forum (ISF) Award received for the Academic Year 2024–2025, in recognition of exemplary student engagement, technical activities, and professional initiatives.

Dr. P. N. Kota Reviewed paper for Archives of Current Research International on 11 Jan 2025

2024-25 SEM-II

Department Activity Summary

Sr. No.	Name of Activity	Total Count
1	Parent Meeting	1
2	Guest Lectures	8
3	Curricular Activities	2
4	Workshop	1
5	Industry Visits	1
6	Extra-Curricular Activities	5

	Activity Name	Activity details
1	Department Activities	Parent Teacher Meet on 28/02/2025
2	Guest Lecture	Resume writing and communication skills on 17Jan2025 by Rukhsheen Vajifdar for SE students
		Indian Perspective & Opportunities for Fresher's in ARAI
		Job opportunities and skills in Embedded systems
		Session on Guidance for GRE /TOEFEL
		"Angel investments / VC Funding Opportunities for Early - Stage Entrepreneurs
		Application on power electronics for TE students conducted on 9 April 2025 by Dr. Shere Sir
		Advanced Control Systems on 16April25 by Dr. Vrushali Raut for SE Student
		Electric Vehicle :Indian Perspective on 21 Jan by Abhijeet Muley
		Session on Entrepreneurship, Sales and Business Acumen
		Resume Writing by IBS Pune coordinated
		Higher studies by IMS
	Industry Visit	TE E&TC students visited Minilec (core electronics) company.
		SAS Automation, Chinchwad on for TE Students
	Workshop	innovate with Math Works: Smart India Hackathon 2025
		"Signals and Control systems concepts using MATLAB for SE E&TC students
		Internship at 512 Army Workshop Kirkee.
	Club and student activity	Infosys AI Training program organised for selected final year BE students in association with ICT-ACADEMY for final year students from 27th Dec 2024
		Training on Image Processing and Deep Learning
		Book Reading conducted by Mr.Prantik Panigrahi
		Workshop on AI certification

		Workshop on Secure IoT
		ETSA -ABHIRATH organised by E&TC dept.
		Python, soft skill and Aptitude Free Training for BE students
		Career counseling by Mr. Hemant Bapat, CounselNavi
		" Social Media Addiction " for FE Students
	Extra-Curricular Activities	Nirbhay Kanya Abhiyan Yojana"
		"Jeevan Vidya – Work-Life Balance" under "Nirbhay Kanya Abhiyan Yojana
		Team Gyrfalcons Tondewad participated in SAEINDIAS eBAJA 2025 competition
		Food grain donation activity in collaboration with RHA
		Code storm Club started Six week Web Dev. Bootcamp

H. Department Activities:-

Parent Meeting

- A) Title of the Event: Parent Teacher Meet
- B) Academic Year: 2024-25
- C) Semester: II
- D) Program Type: One day meet with Parents of students

Program Outcome	Justification	Mapping
PO6: The engineer and the society: Demonstrate to understand the impact of engineering solutions using contemporary technology in a global and societal, health, safety, legal issues.	Interaction with parents- stakeholders to discuss their wards performance, attendance and take feedback to bridge the gap between the two.	3

GAP	Activity Name	Conduction Date	Resource Person with Designation	Target Audience	PO	PSO
interaction with stake holders	Parent Meet	28-02-2025	All Faculties and Parents	SE ,TE,BE student's Parents	PO6	PSO3

a) **Objective:** 1. Interaction between the parents and faculties

- 2. To discuss students' performance with their parents
- 3. Bridge Gap between stake holder and Institute.

b) Outcome in terms of Learning/ Skill/ knowledge obtained: Will be able to identify the gap and expectations of parents from the institute.

c) Program Outcome and justification

E) Number of Participants: 49

MESWCOE (E&Tc) Students- 21 Ext. Participants (Parents)- 21

a. Attainment based on attendance (actual attended/total target): $21/25=0.84$

b. Attainment based on feedback/survey= 5

Total attainment= $0.5*a+0.5*b = 0.5*.84 + 0.5 * 5 = 2.92$

F) Total Expenditure: 3718/-

G) Summary report of the activity: The Parent-Teacher Meeting was conducted to discuss the academic progress, attendance, and overall performance of students. Faculty members interacted with parents to provide insights into students' strengths and areas of improvement. Discussions also included college policies, upcoming exams, and opportunities for internships or projects. Parents actively participated, sharing their concerns and suggestions for enhancing the learning experience. The meeting concluded with a Q&A session where faculty addressed queries regarding academic and co-curricular activities.

Important points discussed with the parents are as follows:

1. Department presentation (Covered E&Tc Department Information, activities and achievements)
2. Campus Placement.
3. Student's attendance and overall performance.
4. T&P Training programs conducted by department
5. Internship
6. Add on courses conducted by Department
7. Regarding future plans and scope of the E&Tc students.

We got good response from the parents (21 parents were present for the meet). The meeting was started at 2:15PM. The department presentation was given by Dr. K.S. Tiwari . In the presentation departmental detail information was displayed in the slides. During the meeting, SE,TE and BE subject teachers interacted with parents. Teachers discussed about study , attendance and different club activities related points with the parents. HoD Dr. P.P.Mane briefed about placement preparation, internship, honours courses, project, add on courses to be done by students. She also suggests that students should identify their area of interest right from second year and accordingly prepare plans for their career growth. Snacks were served to guests before they leave the hall. The meeting ended at 4:45PM.

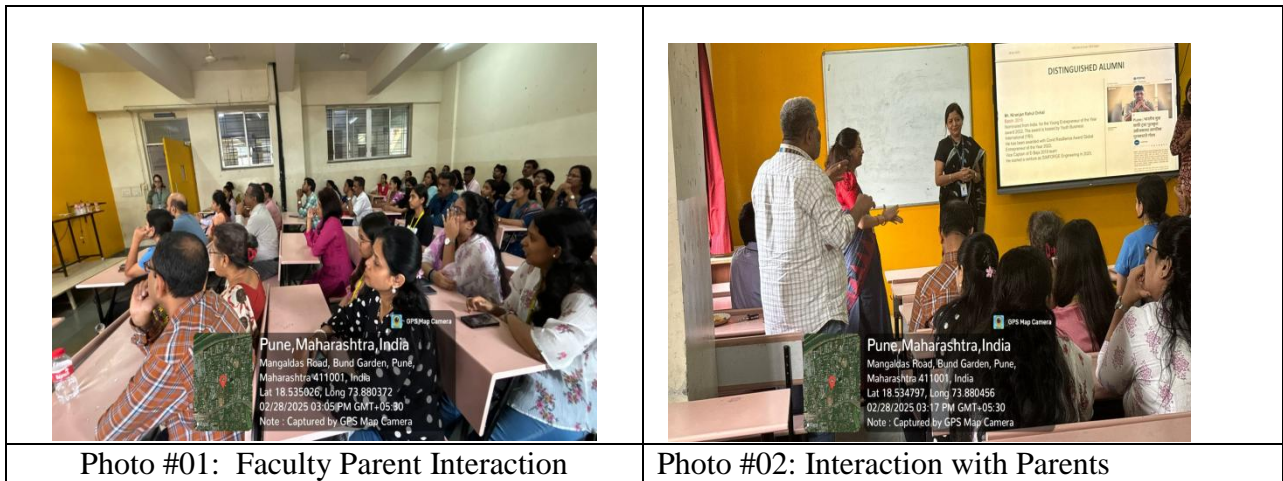


Photo #01: Faculty Parent Interaction

Photo #02: Interaction with Parents

I. DEVELOPMENT ACTIVITIES:

1. GUEST LECTURE;-

1. Event name: Resume Writing & Soft Skills Workshop

Sr. No	GAP	Activity Name	Conduction Date	Resource Person with Designation	Target Audience	CO	PSO	Co-Ordinator
1	Interaction with Industry	Interaction with industry person	27-02-2024	Mr. Vishwas Vaidya	TE A & BEB R Batch	PO1 2	PSO 3	

1. Date: 17/01/2025 (Saturday)
2. Time: 10 A.M to 1 P.M
3. Total Participants: 57
4. Platform: Offline Mode
5. Venue: Room no. 315
6. Total expenditure: INR 300/-
7. Name of faculty co-ordinator: Prof. Yogita Ajgar Dr. P.M.Bagul

Objectives:

The objective of a resume writing and soft skills workshop is to equip participants with the necessary tools and knowledge to effectively create professional resumes and enhance their interpersonal skills.

The goals include:

1. Resume Writing:

Teach participants how to structure and format a resume.

Highlight key achievements, skills, and experiences.

Tailor resumes for specific job roles or industries.

Understand the importance of clarity, conciseness, and professionalism in resume presentation.

2. Soft Skills Development:

Improve communication, teamwork, and problem-solving abilities.

Develop interpersonal skills such as leadership, adaptability, and conflict resolution.

Build confidence in both professional and personal interactions.

Enhance interview skills, networking abilities, and emotional intelligence.

Overall, the workshop aims to empower individuals to present themselves effectively to potential employers and succeed in a variety of workplace settings

Brief description of event:

The work shop was conducted by “Rukhsheen Vajifdar”, the faculty member of ICFAI IBS. This workshop was a must-attend for all Second Year Electronics and Telecommunication Engineering students at Wadia College of Engineering. You'll gain expert guidance on crafting professional resumes that showcase your skills and experience effectively. Additionally, you'll learn essential soft skills like communication, teamwork, and problem-solving – crucial for career success. The workshop will also equip you with proven interview strategies to confidently navigate the job market. Don't miss this opportunity to boost your employability and take the first step towards a fulfilling career!

About the event :

- **Resume Writing Techniques:** Learn how to create a professional and impactful resume that effectively showcases your skills, experience, and academic achievements.



- **Essential Soft Skills:** Develop crucial soft skills such as communication, teamwork, problem-solving, critical thinking, and leadership. These skills are highly valued by employers and are essential for career growth.
- **Interview Success Strategies:** Gain valuable insights into the interview process, including preparation tips, common interview questions, and effective communication strategies to make a strong impression on potential employers.

This workshop will provide you with practical knowledge and valuable guidance to enhance your employability and increase your chances of landing your dream job.

2. Electrical Vehicles: Indian Perspective & Opportunities for Freshers in ARAI

Date: 21st January 2025 Time: 10:00 AM - 12:30PM

Venue: Seminar Hall 514

Speaker: **Mr. Abhijit Mulay** (Deputy Director, Automotive Electronics & E-Mobility Group, ARAI)

Name of faculty co-ordinator: **Prof. Y. M. Ajar Dr. P. M. Bagul**

Session Overview:

The Department of Electronics and Telecommunication, in collaboration with the SD&P Cell, organized a highly engaging and insightful guest lecture on

"Electrical Vehicles: Indian Perspective & Opportunities for Freshers in ARAI". This event was aimed at enlightening students about the electric mobility revolution in India and introducing them to career opportunities at **The Automotive Research Association of India (ARAI)**.

Objectives of the Lecture:

To provide an understanding of the importance and growth of EVs in India.
To explore technological advancements in the EV sector.
To inform students about career opportunities for freshers at ARAI.
To highlight challenges and trends in the Indian EV ecosystem.

Key Highlights of the Session:

- **Overview of the EV Industry in India:**

Mr. Mulay shared insights into the rapid adoption of electric vehicles in India, driven by sustainability efforts and evolving government policies.

- **Technological Advancements:**

The session covered significant developments in EV technology, including batteries, BMS, and charging systems.

- **Career Prospects at ARAI:**

Students were introduced to job roles and opportunities in testing, certification, and development of EV components at ARAI.

- **Future of Electric Mobility:**

The lecture concluded with a discussion on the future growth trajectory and challenges of the EV sector.

Key Advice by Mr. Abhijit Mulay:

During the lecture, Mr. Mulay shared three crucial pieces of advice for students aspiring to build careers in the EV and automotive industry:

Develop Expertise in One Domain: Focus on mastering a specific technical skill while keeping a broad understanding of related fields.

Understand Functionality: It is vital to comprehend how systems and components function together.

Start from Scratch: Building a strong foundation from the basics is essential for long-term growth and success.

Participants:

The lecture was attended by a diverse group of students, particularly those from Electronics and Telecommunication, and Mechanical Engineering backgrounds.

The Department of Electronics and Telecommunication extends its gratitude to **Mr. Abhijit Mulay** for his invaluable guidance and to the SD&P Cell for their support in organizing the event.

Conclusion

This guest lecture provided students with a unique opportunity to understand the intersection of education and industry in the field of Electric Vehicles. Mr. Abhijit Mulay's expertise, combined with his practical advice, has inspired students to build meaningful careers in this rapidly growing sector.



3. AI Alchemy

1. Date: 24/01/2025 (Friday) Time: 10 A.M to 4 P.M
2. Total Participants: 57 Platform: Offline Mode
3. Venue: Room no. 422
4. Total expenditure: INR 3000/-

Name of faculty co-ordinators: Prof. Yogita Ajar & Prof Dr Kanchan. S.Tiwari

Objectives:

Primary Objectives:

- **Increase AI Literacy:** To provide participants with a foundational understanding of AI concepts, including its various types, applications, and underlying technologies.
- **Demystify AI:** To dispel common misconceptions about AI, such as job displacement fears, and highlight its potential to enhance human capabilities and productivity.
- **Develop AI Skills:** To equip participants with basic knowledge and practical skills in interacting with AI tools and leveraging them for personal or professional gains.

Secondary Objectives:

- **Foster a Positive Perception of AI:** To cultivate a balanced and informed perspective on AI, emphasizing both its potential benefits and potential risks.
- **Prepare for the Future of Work:** To help participants understand how AI is transforming the job market and equip them with the skills and knowledge necessary to thrive in an AI-powered world.
 - **Encourage Ethical AI Development and Use:** To raise awareness about the ethical considerations surrounding AI, such as bias, fairness, and privacy.

- **Brief description of event:**

The offline session was organised by “Electro Infinity Club”. The event started by warm welcome of sir “Dr. Jaysingh Bhosale”- ISB by Yuvraj .This AI workshop aimed to provide participants with a foundational understanding of Artificial Intelligence, including its applications, types, and training methods. The workshop also addressed concerns about job displacement, emphasizing that AI is not meant to replace humans but to augment human capabilities. Participants learned about various AI tools and their applications, and received practical guidance on how to effectively interact with AI models through prompt engineering.

- **About the event** :This workshop provided an introduction to the fascinating world of Artificial Intelligence. Participants explored the diverse applications of AI across various sectors, from healthcare and finance to entertainment and transportation. The workshop addressed common concerns about job displacement, emphasizing that AI is poised to revolutionize work by enhancing human capabilities and creating new opportunities.

Key topics covered included:

- **Types of AI:** Exploring the different categories of AI, such as narrow, general, and super AI, and their respective capabilities.
- **AI Training Methods:** Understanding how AI models are trained, including supervised, unsupervised, and reinforcement learning.
- **Practical Applications:** Discovering a range of AI tools and their applications in various domains, such as natural language processing, computer vision, and data analysis.
- **Working with AI:** Learning practical tips for effectively interacting with AI models, including prompt engineering and understanding the limitations of AI.
- **Ethical Considerations:** Discussing the ethical implications of AI development and use, such as bias, fairness, and privacy.
- **The workshop aimed to demystify AI, foster a positive perception of its potential, and equip participants with the knowledge and skills necessary to navigate the evolving landscape of AI.**

Conclusion:

In conclusion, this workshop provided a valuable introduction to the exciting field of Artificial Intelligence. We explored the diverse applications of AI, demystified common misconceptions, and gained practical insights into how to effectively interact with AI tools. By understanding the potential of AI while acknowledging its limitations and ethical implications, we can better prepare for the future and leverage this transformative technology to enhance our lives and society.



4. Online Webinar on MATLAB & Simulink Campus-Wide License Implementation

A) Academic Year: 2024-25

B) Semester: II

C) Program Type: Webinar for Intercollege Faculties of Modern Education Society

a) **Objective:** To facilitate a smooth transition to MATLAB & Simulink Campus-Wide License, guide installation, demonstrate MATLAB Portal, and promote effective usage for teaching, research, and project work.

b) **Outcome:** Faculty members gained understanding of MATLAB & Simulink installation, portal usage, and applications in teaching, research, and engineering projects.

D) **Date:** 13 March 2025

E) **Total duration:** 4 Hrs.

F) **Mode:** Online

G) **Number of Participants:** 34

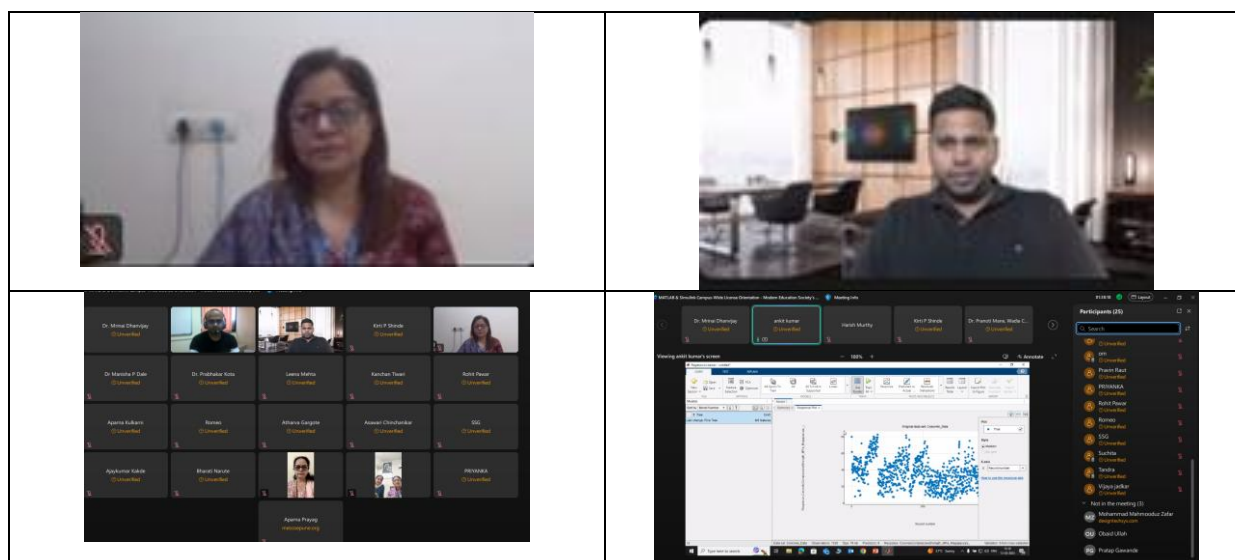
H) **Resource Persons:**

Mr. Ankit Kumar – Application Engineer, DesignTech Systems Pvt Ltd

Mr. Harish Murthy – Customer Success Specialist, MathWorks India

Participants: Faculty members, IT Team members

Summary Report: The Department of Electronics and Telecommunication Engineering organized an online webinar on MATLAB & Simulink Campus-Wide License Implementation. The session covered license benefits, installation process, MATLAB portal demonstration, and deployment strategies. The webinar was interactive and informative, enabling participants to effectively utilize MATLAB resources for academics and research.



5. Guest lecture on “Innovation in Traditional Industries: Staying Competitive in a Changing Market

- A) Title of the Event: Guest lecture on “Innovation in Traditional Industries: Staying Competitive in a Changing Market”
- B) Academic Year: 2024-25
- C) Semester: II
- D) Program Type: Guest lecture

GAP	Activity Name	Conduct ion Date	Resource Person with Designation	Target Audienc e	CO	PO/ PSO
Lack of awareness on how traditional industries can adopt innovation and technology to remain competitive in modern dynamic markets.	A guest lecture on “Innovation in Traditional Industries: Staying Competitive in a Changing Market”	15-4-2025	Ms. Neha Zende, founder of Sinrem Tech IT service provider	SE B students	-	PO6, PO7, PO8, PO9, PO11, PSO1, PSO3

- a) Objective: To explore how traditional industries can leverage innovation to adapt and thrive in evolving market conditions.
- b) Outcome in terms of Learning/ Skill/ knowledge obtained:

- **Innovative Thinking** – Understanding how to apply modern innovation strategies to traditional business models.
- **Market Adaptability** – Learning to analyze and respond to changing market trends and consumer demands.
- **Strategic Planning** – Gaining insights into competitive positioning and long-term growth in conventional industries.
- **Problem-Solving** – Identifying challenges in traditional sectors and exploring creative solutions.
- **Entrepreneurial Mindset** – Encouraging new business approaches within legacy systems.
- **Industry Awareness** – Enhancing knowledge of real-world practices and transformations in traditional industries.

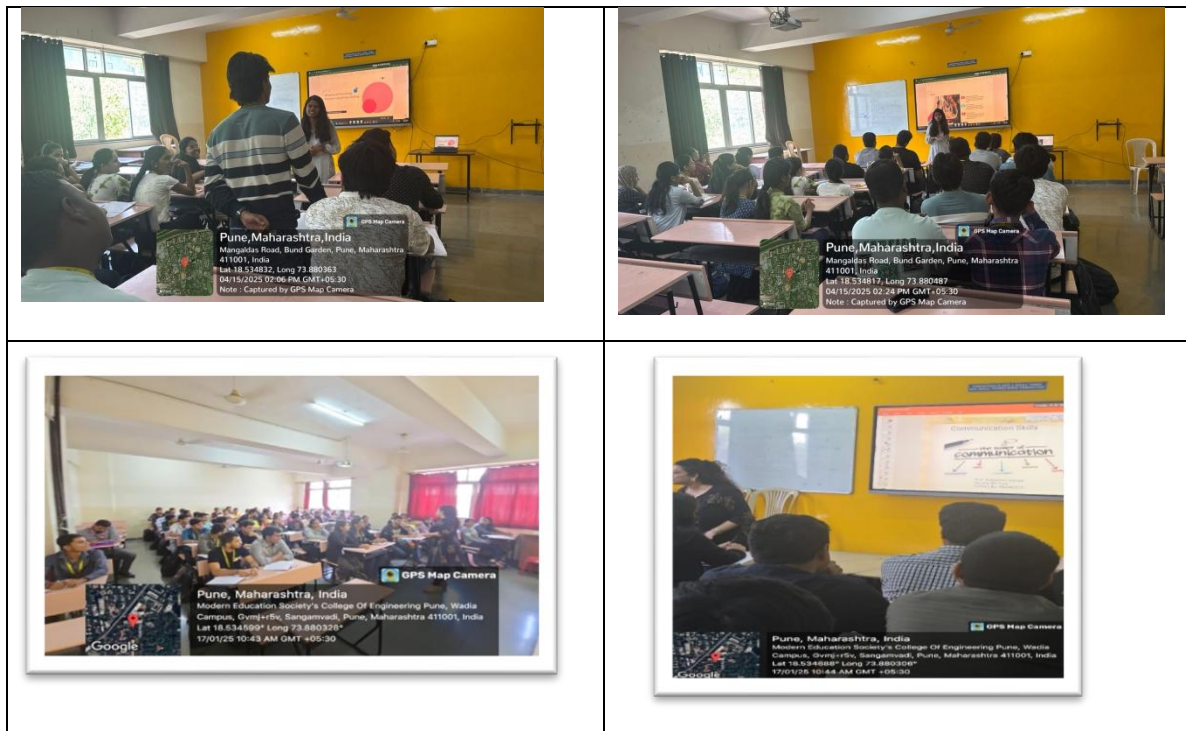
D) Program Outcome and justification

Course Outcome	Justification	Mapping
PO6, PO7, PO8, PO9,PO1 1,PSO1, PSO3	Student will be able to : <ul style="list-style-type: none"> • To identify the problem statement from real life issues. • Analyze the steps involved to identify the problem and converting it into engineering problem statement. • Learn the formation of team, task assigning in the team. • Testing and validation of the designed product 	3

- Start Date: 15-4-25 End Date:15-04-25
- Total Duration: 2 Hr
- Venue: Class Room 315
- Number of Participants: Total- 41 MESCOE Student- 40 MESCOE Staff - 1
- Total Expenditure: 4000/-

Summary of Activity A guest lecture on “**Innovation in Traditional Industries**” was delivered by Ms. Neha Zende, an entrepreneur and founder of a startup specializing in dynamic website design. She provided valuable insights into how traditional industries can embrace innovation to remain competitive in the modern market. The session covered the evolution of industrial revolutions from 2.0 to the current Industry 4.0 era, highlighting the role of digital transformation. Ms. Zende shared her entrepreneurial journey and emphasized the importance of adaptability and creative thinking. The lecture inspired students to explore innovative solutions within conventional business frameworks. Introduction and vote of thanks given by Prof. Priyanka S. Tondewad

Name of Faculty Coordinators: Prof. Priyanka S. Tondewad



6. Guest Lecture on “Advanced Control Systems”

Date: 16th April 2025

Time: 10:00 AM to 1:00 PM

Venue: Seminar Hall 514

Audience: Second Year E&TC Students

Coordinator: Dr.P.P.Mane, Prof. S. S. Pansare

Speaker: Dr. Vrushali Raut, Associate Prof. Sinhgad College of Engineering, Pune

Total Students Present: 139

Objectives of the Guest Lecture:

- To introduce students to advanced concepts and techniques in modern control systems.
- To build an understanding of real-world control system design beyond classical theory.
- To illustrate the application of control principles in various engineering domains.
- To prepare students for future academic projects, internships, and research opportunities.
- To motivate students to explore emerging technologies in automation and control.

About the Topic – Advanced Control Systems:

Advanced Control Systems deal with strategies for managing complex, dynamic systems beyond traditional PID methods. These include adaptive, predictive, and intelligent control techniques, crucial for modern engineering systems that are nonlinear, time-varying, or uncertain.

- Key Topics Covered:
 - State-Space Modeling
 - Pole Placement & Observer Design
 - PID Tuning (Advanced Techniques)
 - Model Predictive Control (MPC)
 - Adaptive and Robust Control

- Applications in robotics, automotive systems, aerospace, and industrial automation

PO and PSO Mapping for the Guest Lecture on “Advanced Control Systems”

The guest lecture conducted on 16th April 2025 by Dr. Vrushali Raut contributed to the holistic development of the students by addressing several Program Outcomes and Program Specific Outcomes as listed below:

Sr. No.	Learning Outcome	Mapped PO/PSO	Justification
1	Understanding the fundamental and advanced concepts of control systems.	PO1	Applied core engineering knowledge in system modeling and control techniques.
2	Analyzing control problems and exploring appropriate advanced solutions.	PO2	Encouraged analytical thinking and real-time problem-solving skills.
3	Designing or conceptualizing systems using advanced control methods.	PO3	Introduced techniques like PID tuning, MPC, and state-space analysis.
4	Exposure to real-life engineering problems through case studies.	PO4	Promoted investigative thinking and exposure to practical applications.
5	Encouragement for self-learning and exploration of control systems as a future career path.	PO12	Motivated students to pursue lifelong learning in emerging domains.
6	Application of E&TC concepts in real-world engineering scenarios.	PSO1	Strengthened core domain knowledge with a focus on control engineering.
7	Exposure to simulation tools and modern control strategies.	PSO2	Related to modern engineering tools and methodologies.
8	Developing confidence and industry awareness through expert interaction.	PSO3	Enhanced communication skills, professional awareness, and readiness.

Event Summary:

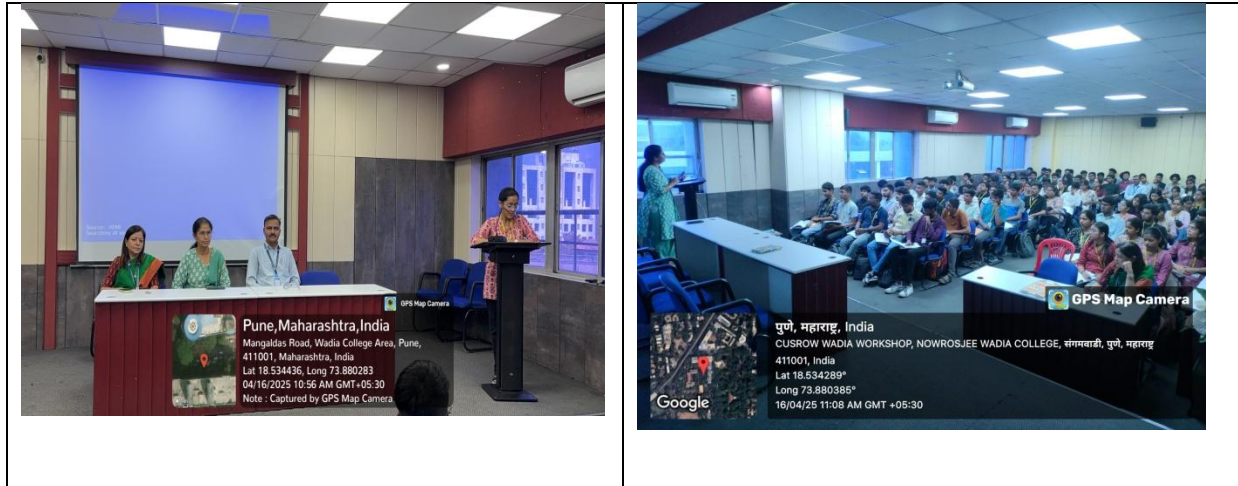
The session began with a welcome and introduction by Prof. S. S. Pansare, followed by an insightful lecture from Dr. Vrushali Raut, who is an expert in the field of control systems. The lecture was interactive, informative, and well-received by the 87 students present. Through engaging visuals and relatable applications, Dr. Raut explained advanced concepts in a clear and accessible manner.

Outcomes of the Guest Lecture:

- Students gained enhanced understanding of modern control strategies.
- The session connected theoretical concepts with real-world implementations.
- Increased student interest in control engineering as a specialization.
- Boosted student curiosity towards research and industrial applications.
- Encouraged interactive learning and active participation.

Conclusion:

The guest lecture on Advanced Control Systems proved to be an enriching and intellectually stimulating event. The Department extends its sincere thanks to Dr. Vrushali Raut for her valuable contribution and to Prof. S. S. Pansare for coordinating the event. With 87 students in attendance, the session was a great success in enhancing student learning and engagement.



7. Guest Lecture on Practical and Industrial approach of Power Electronics

- A. Academic Year: 2024-25
- B. Semester: VI
- C. Program Type: Seminar
- D. Coordinator Dr. P. B. Chopade, Prof. U.D.Dattasamje

GAP	Activity Name	Conduction Date	Resource Person with Designation	Target Audience	PO	PSO
Interaction with Industry	Guest Lecture on Practical and Industrial approach of Power Electronics	9 April 2025	Dr. V.B. Shere	TE students	PO1 and PO12	PSO2

Objective:

- a. To make industrial awareness for Practical and Industrial approach of Power Electronics
- b. Outcome in terms of Learning/ Skill/ knowledge obtained: Student learned different services of power Electronics.
- c. To bridge theoretical knowledge and practical implementation of power electronics in modern engineering systems:

Program Outcome	Justification	Mapping
CO6	It bridges theoretical knowledge and practical implementation of power electronics in modern engineering systems	3

Start Date: 9 April 2025 End Date: 9 April 2025

Total Duration: **Two hours**

Venue: 315

Number of Participants: 93

MESWCOE Faculty- 2

a. Attainment based on attendance (actual attended/total target)(a):

b. Attainment based on feedback/survey(b)=

Total attainment=0.5*a+0.5*b = 49

Total Expenditure: RS 3500/-

- a) **Summary report of the activity:** Wadia COE E&Tc department organized an offline one day guest lecture on “**Practical and Industrial approach of Power Electronics**” on 9th April 2025 at 12 PM to 2 PM. The lecture was delivered by Dr. V.B. Shere, who holds the position of Professor at Dr. D. Y. Patil COE Akurdi. Session aimed at bridging the gap between academic concepts and real-world industrial applications. The session was attended by TE students. The primary objective of the guest lecture was to expose students to the practical challenges and solutions encountered in industrial power electronics systems.



Photo # 01

Photo # 02

8. MESX 3.0

Target Audience: All Years Students from all departments

Day 1: Seminar by Mr. Vicky Mulchandani on masters and abroad study

Venue: Room 514

Date: 25th March 2025.

Time: 3:00pm to 4:00pm

Summary:

The first session of MESX 3.0 featured Mr. Vicky Mulchandani, who provided in-depth insights into the education industry, with a particular focus on opportunities for pursuing a master's degree abroad. He highlighted the various factors students should consider when selecting universities, including academic reputation, research

facilities, and industry connections. He also elaborated on the differences in fee structures across countries and how students can effectively plan their finances. Additionally, he outlined the range of scholarships available, detailing the eligibility criteria and application process. The session concluded with an interactive Q&A, where attendees received personalized guidance on their queries related to studying abroad.

Day 2: Session by Mr. Hemant Bapat on necessity of career counselling.

Date: 26th March 2025

Time: 10:00am to 11:00am

Summary:

On the second day, Mr. Hemant Bapat, a career counselor, delivered a session from 10 a.m. to 11 a.m. in Room 514, focusing on the role of career counseling in making informed professional choices. He explained how career counseling helps individuals understand their strengths, interests, and aptitudes, enabling them to align their career paths accordingly. The session covered the importance of exploring non-traditional career options, emerging industries, and skill-based professions. Mr. Bapat also discussed how career assessments and psychological evaluations provide a structured approach to decision-making. He emphasized the need for continuous upskilling and adaptability in an evolving job market. The session concluded with an engaging discussion, where students received tailored advice on career planning strategies.

Day 3: Session by Pradeep Vijay on Spirituality

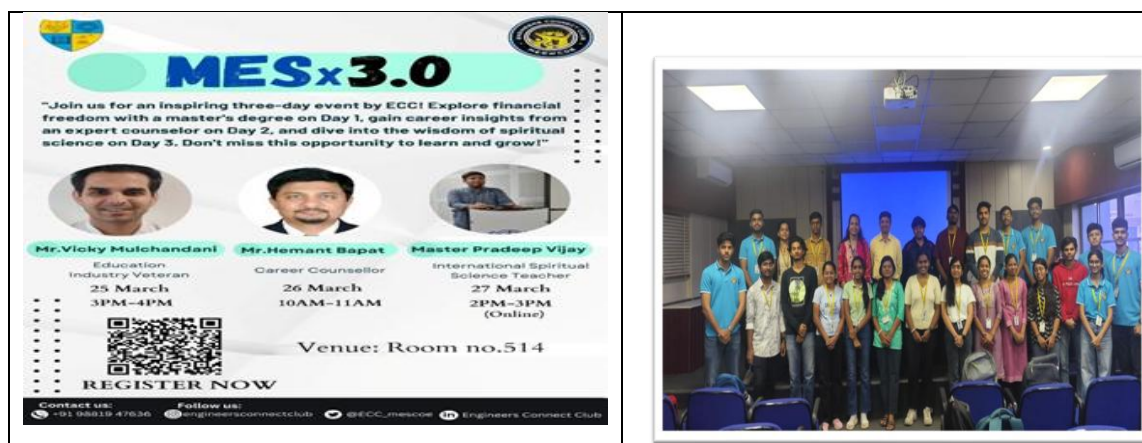
Venue: online

Date: 27th March 2025

Time: 2:00pm to 3:00pm

Summary: The third day of MESX 3.0 featured Master Pradeep Vijay, an international spiritual science teacher. The session, held online from 2 p.m. to 3 p.m., focused on the importance of spiritual health. Master Vijay elaborated on how maintaining spiritual well-being contributes to overall mental and emotional balance, fostering a holistic approach to personal growth.





Co - Curricular Activity

1. ETSA ABHIRATHA 2K25

Introduction-

- Annual Departmental fest named ABHIRATHA 2k25 was organized by Electronics & Telecommunication student's association on 5th & 6th February 2025 in association with Modern Education Society's Wadia College of Engineering Pune-01.
- The fest consisted of 9 events in total. They were classified as technical and non-technical events and were organized for pure fun and recreational purposes.

Objectives-

- To bring about the technical development of students by organizing activities like games, quizzes and competitions.
- To improve non-technical abilities of students by engendering good communication skills, managerial abilities, presentation skills and team work.
- To act as a forum for students to voice their opinions and suggestions.

Core Committee:

Name	Position
Abhijit Indulkar	President
Tanishka Bhowmick	Vice- President
Neeraj Thombre	Documentation Head
Sambhav Solanki, Nagendra Chipkar	Treasurer
Soham Ghegade, Arpita Bansode	Publicity Head
Disha Kumbhakarna, Dimpal Gosavi, Neelam Devraj	Social Media Head
Tanmay Dange	Decoration Head

Management Committee: Technical Events

1.	Budget	Mrs.U.V.Bomble, Mrs.Kirti Shinde	Nagendra Chipkar, Sambhav Solanki
2.	Marketing & registration	Dr.Mrs. Priyanka Bagul, Mrs.Yogita Ajar, Mrs.Smita Tikar	Soham Ghegade, Arpita Bansode
3.	Certificates, feedback & prize distribution	Dr.Mrs.Kanchan Tiwari, Mrs.Namrata Jangale	Neeraj Thombre
4.	Inauguration & validary	Mrs.Namrata Jangale , Mrs. Puja Deokate	Abhijit Indulkar, Tanishka Bhowmick
5.	Decoration	Mrs. Smita Tikar, Mrs. Suchita Ganage	Tanmay Dange
6.	Poster & Brochure	Prof .U. V. Bomble	Abhijit Indulkar, Neeraj Thombre
7.	Discipline	Mr.S.S.Pansare, Mr. S.N.Dharwadkar, N.Yusufzai	Abhijeet Kamble
8.	Coordination of all the events	Prof. U. V. Bomble Prof.Kirti Shinde	ETSA core committee

Brief Summary

Sr. No	Event name	Event type	Event Heads	Prize Money	Registrations
1.	Codewar	Technical	Arshad Kureshi, Yashashwini Despande	1 st - 2000/- 2 nd - 1000/-	15
2.	Debate	Technical	Sujal Ghuble	1 st -1500/- 2 nd -1000/-	5
3.	Brain Battle	Technical	Bhavesh Khamkhedkar	1 st - 1500/- 2 nd - 1000/- 3 rd - 500/-	25
4.	Tech Quiz	Technical	Pavan Kodlinge, Manthan Sonawane	1 st - 1500/- 2 nd - 1000/- 3 rd - 500/-	20

5.	Neon Cricket	Non-Technical	Varad Pise, Tejas Tandale	1 st - 3000/- 2 nd - 2000/- 3 rd - 1000/-	12
6.	Battleground Mobile	Non-Technical	Tejas Baru, Rohan Sonawane	1 st - 2000/- 2 nd - 1000/-	18
7.	IPL Auction	Non-Technical	Sia Yadav, Sidhant Dhamdhare	1 st - 2000/- 2 nd - 1000/-	8
8.	Treasure Hunt	Non-Technical	Atharva Patil, Vikrant Pardeshi	1 st - 1500/- 2 nd - 1000/- 3 rd - 500/-	15
9.	Squid Game	Non-Technical	Ruchika Patil, Gayatri Jagtap	1 st - 2000/- 2 nd - 1000/- 3 rd - 500/-	21

Winner's list

Sr No	Name of the Event	Name of the Winners	Winner's email ID	Mobile Number	Prize Money
1	Battleground Games	Pruthviraj Harishchandra Tipe	chavanshree37@gmail.com	8421421696	2000
2	Battleground Games	Rohan nandkishor sonto kke	Sontakkerohan34@gmail.com	9970701957	1000
3	Tech Quiz	Devansh Naik	me.devanshnaik03@gmail.com	7887909741	1500
4	Tech Quiz	Pratiksha Tikkal	pratikshatikkal@gmail.com	9834092227	1000
5	Tech Quiz	Aditya Chaure	acchoure044@gmail.com	7385033438	500
5	IPL Auction	Mumbai Indians	akshaythite0703@gmail.com	8010552564	2000
6	IPL Auction	Delhi capitals	rohan05pardhi@gmail.com	9975610101	1000
7	Squid Game	Team Titans	wanimohit28@gmail.com	8806694572	2000
8	Squid Game	Money Heist	2006aarshbhandari@gmail.com	9313449367	1000

9	Squid Game	Akshata Sutar	sutarakshata305@gmail.com	9404922954	500
9	Neon Cricket	Team TE ENTC	jaindev437@gmail.com	8530204385	3000
10	Neon Cricket	Bob cha sangh	surwasesarthak7@gmail.com	8459380773	2000
11	Neon Cricket	Team Jambsav	prasadnikam2003@gmail.com	9307724837	1000
11	Treasure Hunt	4 cup chai	apoorvakarne30@gmail.com	7448023627	1500
12	Treasure Hunt	Team Real	choudharyharsh1089@gmail.com	8975099787	1000
13	Treasure Hunt	Team Zero	swetamirgane@gmail.com	9306574096	500
13	Codewar	Khushal Thanvi	khushal2182002@gmail.com	88301 53895	2000
14	Codewar	Ahmed Tabish and Rohan Pardhi	noxioustab@gmail.com	70209 19967	1000
16	Debate	Khushal ajendra Thanvi	khushal2182002@gmail.com	8830153895	1500
17	Debate	Pranav rakash Veerkar	pranavveerkar1@gmail.com	9423901421	1000
18	Brian Battle	Aditya Choure	acchoure044@gmail.com	7385033438	1500
19	Brian Battle	Pranav Sarmukaddam	Sarmukkadam.pranav@gmail.com	7600065771	1000
20	Brian Battle	Rohan Pardhi	rohan05pardhi@gmail.com	9975610101	500

Conclusion: Organizers of ABHIRATHA 2k25, we congratulate all the participants and winners.

ETSA Abhiratha 2025 was a resounding success, thanks to the collective efforts of the core committee, event heads, and volunteers. The combination of technical and non-technical events ensured that there was something for everyone. The event not only fostered learning and innovation but also promoted teamwork, leadership, and sportsmanship. The enthusiasm and participation from students made this edition of Abhiratha a memorable and enriching experience for all. We look forward to an even bigger and better ETSA Abhiratha next year!

2. Build a personal brand and art of storytelling

- A. Title of the Event: "Build a personal brand and art of storytelling"
- B. Academic Year: 2025-26
- C. Quarter: Q2
- D. Program/ Activity Name : Guest lecture on "Conduct a Session on Achieving Problem Solution Fit and Product-Market Fit "
- E. Program Type: Guest Lecture
- F. Program Theme: Entrepreneur
- G. Start Date: 14/02/2025 End Date: 14/02/2025 Total Duration: 2 hrs

H. Number of Participants:

I. Total- 51 MESCOE Student-50 MESCOE Faculty-1 Ext. Participant- Nil

Overview:

Objective: To provide insights on achieving Problem-Solution Fit and Product-Market Fit, guiding participants on aligning solutions with customer needs and ensuring market viability.

Outcome in terms of Learning/ Skill/ knowledge obtained:

- **Learning Gained:** Understanding the frameworks for achieving Problem-Solution Fit and Product-Market Fit, including key validation techniques.
- **Skills Developed:** Ability to **identify customer pain points**, validate solutions, and assess market demand using data-driven approaches.
- **Knowledge Obtained:** Exposure to **real-world case studies** and best practices for refining product offerings to achieve sustainable market success.

Summary report of the activity : The guest session on **Achieving Problem-Solution Fit and Product-Market Fit** by **Mr. Rohan Kokil** provided valuable insights into real-world entrepreneurship. He shared his journey of launching the **Yoga for Amigos** YouTube channel, highlighting challenges in identifying the right audience and content strategy. He also explored **different types of sound therapy** and their market potential. Additionally, he analyzed **case studies of Colgate and Harpic**, demonstrating how brands achieve product-market fit through innovation and consumer alignment.

Name of Faculty Coordinators: Prof. Priyanka S. Tondewad



Photo Graph#01:



Photo Graph#02:

Workshop

1. Workshop on Prototype/Process Design and Development

Academic Year: 2024-25 Sem II

GAP	Activity Name	Conduction Date	Resource Person with Designation	Target Audience	CO	PO/ PSO
Gap identified in practical exposure to product development lifecycle from prototype to process implementation.	Workshop on Prototype/Process Design and Development	17-4-2025	Ms. Neha Zende, founder of Sinrem Tech IT service provider	SE B students	-	PO1,PO2,PO3,PO4,PO5, PO6, PO9, PO10,PO11, PSO1, PSO3

To equip participants with practical skills and methodologies for transforming innovative ideas into functional prototypes and efficient processes.

Outcome in terms of Learning/ Skill/ knowledge obtained:

- **Design Thinking** – Understanding and applying the steps of empathizing, ideating, prototyping, and testing in product or process development.
- **Team Collaboration** – Working effectively in groups to brainstorm, share ideas, and build consensus on business models.
- **Creativity and Innovation** – Developing original business concepts and designing functional solutions based on real-world problems.
- **Critical Thinking** – Analyzing market needs, feasibility, and potential impact of their proposed business models.
- **Communication and Presentation Skills** – Presenting business ideas confidently to an audience, articulating value propositions and key differentiators.
- **Problem-Solving** – Addressing challenges in the design process and finding practical solutions under time constraints.
- **Entrepreneurial Mindset** – Cultivating a business-oriented approach by understanding customer needs, value creation, and business viability.

Program Outcome and justification

Course Outcome	Justification	Mapping
PO1,PO2,PO3,PO4,PO5, PO6, PO9,PO10, PO11, PSO1,	Student will be able to :Students applied foundational engineering principles during the prototype development phase. Students designed models and proposed engineering solutions, mapping directly to PO3. To identify the problem statement from real life issues. Analyze the steps involved to identify the problem and converting it into engineering problem statement.	3

PSO3	Learn the formation of team, task assigning in the team. Testing and validation of the designed product	
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Start Date: 17-4-24 End Date:17-10-24

- Total Duration: 2 Hr
- Venue: Class Room 315
- Number of Participants: Total- 41
- MESCOE Student- 40
- MESCOE Staff - 1
- Total Expenditure: 4000/-
- Summary report of the activity : A two-hour workshop on Prototype/Process Design and Development was conducted to enhance students' innovation and entrepreneurial skills. The speaker engaged participants by dividing them into groups and assigning them the task of designing their own business modules based on real-world problems. Each group brainstormed, developed a prototype or business concept, and presented their ideas to the audience. The activity encouraged creative thinking, teamwork, and practical application of design principles. Students gained hands-on experience in problem-solving, communication, and business model development. The workshop effectively fostered an entrepreneurial mindset and collaborative learning environment
- Name of Faculty Coordinators: Prof. Priyanka S. Tondewad



Industrial Visit:

1. Industrial Visit to SAS Automation

Academic Year: 2024-25 Semester: II

GAP	Activity Name	Conduction Date	Resource Person with Designation	Target Audience	CO	PSO
Interaction with Industry	Interaction with industry SAS Automation	18/3/2025 and 19/03/2025	Mr. Shaikh Sir Founder & MD of SAS Automation	TE E & Tc student	CO3	PSO3

Objective:

To bridge Gap between Industry and Institute
Outcome in terms of Learning/ Skill/ knowledge obtained:

To understand the working principles of industrial automation.
Course Outcome and justification

Course Outcome	Justification	Mapping
CO 2:	Student will understand industry automation	3

Start Date: 18-03-25

End Date: 19-03-25

Total Duration: 3.30Hr

Venue: SAS Automation Pvt. Ltd, Shree Sant Dnyaneshwar Industrial Estate Plot 59,58, Unit no 08 , Near Mohanagar Police Chowki, Mohan Nagar Main Rd, D-II Block, MIDC, Chinchwad Maharashtra 411019

Number of Participants: Total- 65

MESCOE Student- 55 MESCOE Faculty- 10

a. Attainment based on attendance (actual attended/total target): 10/10=1

b. Attainment based on feedback/survey=

Total attainment=0.5*a+0.5*b

Total Expenditure: 17600/-

Summary report of the activity: The industry visit was organized on 18/3/2025 and 19/03/2025 for the students of TE (E & Tc). The purpose of the visit was to provide students with practical exposure to industrial operations and bridge the gap between theoretical learning and real-world applications. Upon arrival, the students were welcomed by the industry representatives. A brief introduction to the company's history, mission, and operations given to the students. Detail working of control panel and its assembly, 3D driving testing operation shown to the students. The officials there showed the structure of SAS Automation and their manufacturing unit. They explained working of SAS Automation. The visit was then concluded at nearly 2:00 p.m. Following staff members visited to industry along with students.

1. Dr. M.P. Dale, 2. Dr. P.P. Mane, 3. P.N. Kota 4. Prof. B.M. Narute 6. Dr. K.S. Tiwari
7. Prof. Y.M. Ajar 8. Prof. K.P. Shinde

Name of Faculty Coordinators: Dr. M.M. Dhanvijay, Prof. U.D. Dattasamje Dr. P.M. Bagul

	
<p>Photo #01: Day 1 Visit SAS Automation, Chinchwad, Pune</p>	<p>Photo #01: Day 2 Visit SAS Automation, Chinchwad, Pune</p>

Extra-Curricular Activities:-

1. Alumni Interaction - Mr. Atharva Mungase, Trinity Touch

Date: 6th March 2025

Venue: Microsoft Teams (online)

Time: 8 PM

Participants: Students of BE E&TC 2025, MESWCOE

Faculty Co-ordinator Prof. Yogita Ajgar

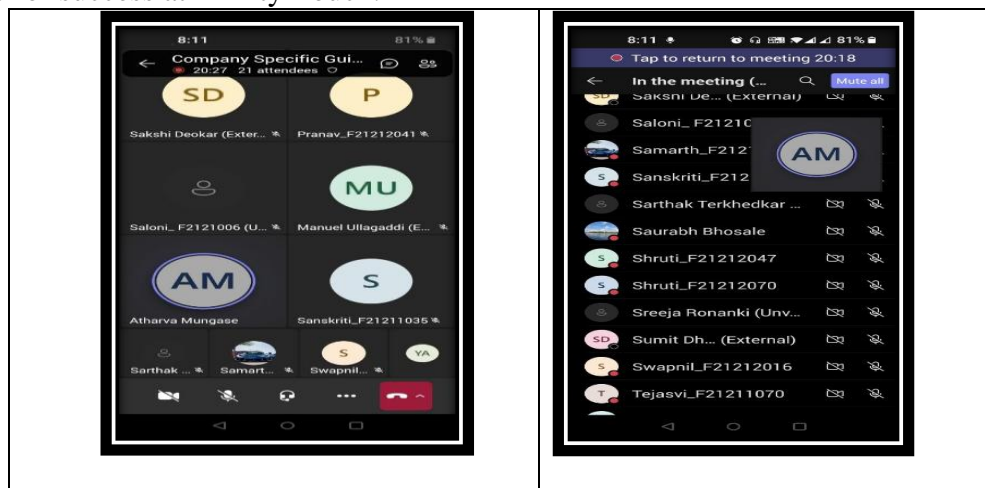
Objectives: The session aimed to

1. To Bridge academia and industry gap , focusing on Solar Power Systems at Trinity Touch.
2. To provide practical insights into the company's culture, recruitment, and technical needs.
3. To .motivate students to participate in their campus recruitment drive.

An insightful online session, attended by approximately 25 students via Microsoft Teams, was conducted by alumnus Atharva Mungase from Trinity Touch Company. He provided a comprehensive overview of the company's dynamic working culture, emphasizing its focus on innovation and collaborative teamwork.

Atharva demystified the recruitment process, detailing the various stages and highlighting the importance of thorough preparation, particularly for technical interviews. He delved into the intricacies of Solar Power Systems, covering essential topics such as ladder logic, communication protocols (including Modbus and TCP/IP), SCADA systems, and the fundamental operational principles of solar power plants, including the process of DC current generation from solar panels and its subsequent AC conversion. He also addressed the practical aspects of the job, including the travel requirements associated with project site work, stressing the need for and on-site experience.

Atharva Mungase concluded by strongly encouraging students to actively participate in Trinity Touch's upcoming campus recruitment drive, emphasizing the company's commitment to nurturing young talent and providing ample opportunities for career growth within the renewable energy sector. His detailed explanations and practical advice were highly beneficial, providing students with valuable insights into the industry and the specific requirements for success at Trinity Touch.



2. Support Staff Skill Development Program on Financial Management

Organized by: Department of Electronics & Telecommunication Engineering (E&TC) in association with IQAC, Modern Education Society's Wadia College of Engineering, Pune

Date & Venue: February 4, 2025 , Seminar hall 514

Objective of the Program: The primary objective of the Skill Development Program on Financial Management was to equip the support staff with essential financial literacy skills. The session aimed to provide insights into personal financial planning, investment strategies, and effective budgeting to help participants achieve financial stability and growth.

Resource Person: Mr. Raavi Venkat Reddy, an expert in personal finance, conducted the session. His expertise in financial planning, investment strategies, and savings management provided valuable guidance to the attendees.

Key Topics Covered:

1. **Introduction to Personal Finance** – Importance of financial planning, security, and stability.
2. **Financial Goals Setting** – Short-term, medium-term, and long-term financial goals.
3. **Investment Strategies** – Systematic Investment Plans (SIP), Public Provident Fund (PPF), and Child Education Plans.
4. **Emergency Fund Management** – Importance of savings for unforeseen circumstances.
5. **Retirement Planning** – NPS, EPF, and PPF for secure post-retirement life.
6. **Budgeting & Financial Planning** – 50-30-20 rule and salary allocation for better expense management.
7. **Investment Options** – Mutual funds, stock market, bonds, and real estate investments.
8. **Tracking & Revisiting Financial Goals** – Regular assessment of investments and financial plans.

Participation & Engagement: The session was attended by a significant number of support staff from various departments. The interactive approach of the session encouraged participants to ask questions and discuss real-life financial concerns. The discussions on budgeting techniques and investment strategies were highly appreciated by the attendees.

Outcome of the Program:

- Enhanced awareness of financial management and investment planning among the support staff.
- Increased understanding of effective budgeting and expense tracking techniques.
- Encouraged the habit of systematic savings and investment for future security.
- Addressed concerns related to financial stability and risk management.

Conclusion: The Skill Development Program on Financial Management was a highly beneficial initiative that empowered the support staff with valuable financial knowledge. The practical insights shared during the session will assist them in making informed financial decisions and securing their financial future.

Faculty Co-ordinator : Prof. Yogita M. Ajgar, Prof. Priyanka M. Bagul



3. FIRODIA KARANDAK 2024-25

- A) Title of the Event: Firodia Karandak 2025
- B) Academic Year: 2024-25
- C) Event Type: Drama Competition
- D) Title of Drama : मळाईच्या नावानं.....
- E) Writer : Mr. Atharva Sanas
- F) Director : Miss. Pratha More
- G) External Mentor : Mr. Pavan Chougule

Activity Name	Competition Dates	Faculty Coordinators	Participants	PO	PSO
Firodia Karandak 2025- Drama Competition	29-01-2025 & 14-02-2025	Dr. D.R.Salunke Prof. R.H.Shende Prof. S.D.Ganage	FE, SE ,TE students	PO1, PO3 PO5, PO6, PO7, PO8, PO9, PO10 PO11, PO12	PSO1 PSO3

Objective:

1. To know about the firodia karandak competition and represent our college within it.
2. To look about various opportunities from competition in future.
3. To showcase acting, directing, and other theatrical talents to a wider audience.
4. To work with a team, improving communication and collaboration

Outcome in terms of Learning/ Skill/ knowledge obtained:

5. Learning about acting, communication, experience in a high-profile competitive environment.

6. Thinking outside the box and present innovative, original performances.
7. The competitive nature of the event can help participants grow as individuals by pushing them to overcome challenges and improve their emotional and mental endurance.

FIRODIA KARANDAK PRE-PRIMARY ROUND 2025

A) Summary report of the activity:

The Performance of competition for preprimary round was on 29-01-25 and the host for the Event were members of Socio Economic Development Trust. There were many college teams participated throughout the Pune. Participant groups of respective colleges were called according to slots given to them and dates assigned. In the starting all the necessary instructions regarding to firodia karandak was given to all participants. ID cards of firodia karandak were given to all students moreover after final instructions before performance, timer was starting for performance time calculation.

Prior 15min within assigned time was given for set arrangement and alignment, also 5min was given for music check as this competition contains live music on stage. After 20min the curtain call was given for starting of drama. Various dances, events, live painting, charcoal painting, saree painting were performed and shown on the stage. After the performance according to rules participant students cleared the stage.

FIRODIA KARANDAK PRIMARY ROUND 2025

A) Summary report of the activity:

The primary round was held at Lokshahir Annabhau Sathe Natyagraha, bibwewadi, Pune The Performance of competition for primary round was on 14-02-25 and the host for the Event were members of Socio Economic Development Trust. There were many college teams participated throughout the Pune. Participant groups of respective colleges were called according to slots given to them and dates assigned. In the starting all the necessary instructions regarding to firodia karandak was given to all participants. ID cards of firodia karandak were given to all students moreover after final instructions before performance, timer was starting for performance time calculation.

Prior 15min within assigned time was given for set arrangement and alignment, also 5min was given for music check as this competition contains live music on stage. After 20min the curtain call was given for starting of drama. Various dances, events, live painting, charcoal painting, saree painting were performed and shown on the stage. After the performance according to rules participant students cleared the stage.

- Name of Club Coordinators: Dr. D. R. Salunke
- Name of Departmental Coordinators: Prof R.H.Shende / Prof S.D.Ganage

Primary Round Lot for M.E.S.W.C.O.E

<p>HCLFoundation</p> <p>फिरोदिया करंडक आंतर महाविद्यालयीन विविध गुणदर्शन स्पर्धा २०२५</p> <p>प्राथमिक फेरीत निवड झालेली महाविद्यालये (सादरीकरणव्या क्रमानुसार)</p> <ol style="list-style-type: none"> बुधन महाराष्ट्र वाणिज्य महाविद्यालय परिमार्जन एम. आय. टी. ॲकॅडमी ऑफ इंजिनिअरिंग धरतीची आम्ही लेकरे राजर्षी शाहू कॉलेज ऑफ इंजिनिअरिंग अंधाधारम इंडसट्री इंस्टिट्यूट ओमेंट्रेंड चाल जी. ड. एस. पुणे युनिव्हर्सिटी अक्षयपट फर्ग्युसन महाविद्यालय वारं... ड्रीम कॉलेज ऑफ इंजिनिअरिंग अंधा रातक एम. आय. टी. ए. सी. एस. आळंदी वावडी ये मिराज पी. सी. सी. ओ. ड. ॲड आर यथार्थ पी. ई. एस. मॉडर्न कॉलेज ए. एस. सी. अंतः अस्ति प्रारंभ जे. एस. पी. एम. नन्हे वास्तान- ए- फतेह प्रतिभा कॉलेज ऑफ कॉमर्स कॉम्प्युटर नेम इट टू टेम इट एम. ई. एस. वाडिया सी. ओ. ई. मळाईच्या नावानं... टी. एम. व्ही. वास्तान- ए- जहान 	<p>HCLFoundation</p> <p>फिरोदिया करंडक आंतर महाविद्यालयीन विविध गुणदर्शन स्पर्धा २०२५</p> <p>Primary Lots</p> <table border="1"> <tr> <td>मळाईच्या नावानं...</td> <td>मॉडर्न एजुकेशन सोसायटीचे वाडिया अभियांत्रिकी महाविद्यालय</td> </tr> <tr> <td>सामुलम्मा</td> <td>म ए सी गव्यारे वाणिज्य महाविद्यालय</td> </tr> <tr> <td>मिदा</td> <td>PICT - Pune Institute of Computer Technology</td> </tr> </table> <p>14TH FEBRUARY LOT TIME : 1.00 pm</p>	मळाईच्या नावानं...	मॉडर्न एजुकेशन सोसायटीचे वाडिया अभियांत्रिकी महाविद्यालय	सामुलम्मा	म ए सी गव्यारे वाणिज्य महाविद्यालय	मिदा	PICT - Pune Institute of Computer Technology
मळाईच्या नावानं...	मॉडर्न एजुकेशन सोसायटीचे वाडिया अभियांत्रिकी महाविद्यालय						
सामुलम्मा	म ए सी गव्यारे वाणिज्य महाविद्यालय						
मिदा	PICT - Pune Institute of Computer Technology						
<p>HCLFoundation</p> <p>फिरोदिया करंडक आंतर महाविद्यालयीन विविध गुणदर्शन स्पर्धा २०२५</p>  <p>मळाईच्या नावानं...</p> <p>मॉडर्न एजुकेशन सोसायटीचे वाडिया अभियांत्रिकी महाविद्यालय</p> <p>विदर्शक प्रभा मोरे</p> <p>लेखक अश्वरंजन</p>	<p>HCLFoundation</p> <p>फिरोदिया करंडक आंतर महाविद्यालयीन विविध गुणदर्शन स्पर्धा २०२५</p>  <p>मळाईच्या नावानं...</p> <p>मॉडर्न एजुकेशन सोसायटीचे वाडिया अभियांत्रिकी महाविद्यालय</p> <p>विदर्शक प्रभा मोरे</p> <p>लेखक अश्वरंजन</p>						
<p>HCLFoundation</p> <p>फिरोदिया करंडक आंतर महाविद्यालयीन विविध गुणदर्शन स्पर्धा २०२५</p> <p>वैयक्तिक पारितोषिके इतर कलाप्रकार कोलाज आर्ट</p> <p>प्रथम वैभववी दहिवाल, योगिता खिले सिंगगड अभियांत्रिकी महाविद्यालय</p> <p>वैयक्तिक पारितोषिके इतर कलाप्रकार MINIATURE</p> <p>प्रथम सिद्धार्थ नाळे, श्रवणी वाळके विश्वकर्मा अभियांत्रिकी महाविद्यालय</p> <p>द्वितीय प्रतिक ढवळे, चारूल वाडेकर मॉडर्न एजुकेशन सोसायटीचे वाडिया अभियांत्रिकी महाविद्यालय</p>	<p>HCLFoundation</p> <p>फिरोदिया करंडक आंतर महाविद्यालयीन विविध गुणदर्शन स्पर्धा २०२५</p> <p>वैयक्तिक पारितोषिके वादन विभाग सर्वोत्कृष्ट तालवाद्य</p> <p>डफ विरांची इंगळे डी वाय पाटील अभियांत्रिकी महाविद्यालय, आकुर्डे</p> <p>पखवाज वेदा गुमास्ते फर्ग्युसन महाविद्यालय स्वायत्त</p> <p>ढोलकी अंशुमन पर्वतकर शासकीय अभियांत्रिकी महाविद्यालय, छत्रपती संभाजीनगर</p> <p>संबळ अलोक जाधव मॉडर्न एजुकेशन सोसायटीचे वाडिया अभियांत्रिकी महाविद्यालय</p>						
							

Prizes Allotted to M.E.S Wadia College of Engineering

(1) First Prize in Sambal Instrument : Alok Jadhav

(2) Second Prize in Miniature : Charul Wadekar and Pratik Dhavale

	
Alok Jadhav (FE E&Tc)	Certificate

▪ Second Prize in Miniature

	
Name : Charul Wadekar (TE E&Tc)	Certificates

JHANKAAR – 2025

Annual Social Gathering 2025

The **Annual Social Gathering** was successfully conducted from **6th February to 8th February 2025** with great enthusiasm and active participation from students and faculty members.

The three-day event included:

- Cultural performances (Dance, Singing, Drama)
- Fun competitions and talent shows
- Prize distribution ceremony
- Traditional Day / Theme Day celebrations
- DJ Night and entertainment activities

The event provided a platform for students to showcase their talents, enhance teamwork, and celebrate campus life together.



International Symposium and National Conference - SYNERGY 2025 10th National Conference on- “Advancement in Communication, Computing & Electronics

Date: 02/05/2025

Conference Report

Name of the Activity: International Symposium and National Conference - SYNERGY 2025

- 10th National Conference on- “Advancement in Communication, Computing & Electronics

Technology” [Hybrid Mode]

- 2nd International Symposium on - “ The Impact of AI on Education & Industry Jobs ”

Date of Activity: 04/04/2025 to 05/04/2025

Venue

- **Conference [04/04/2025]** : Department of Electronics and Telecommunication Engineering Modern Education Society’s Wadia College of Engineering Wadia College Campus, 19, Late Prin. V. K. Joag Path, Pune, Maharashtra, India-411001
- **International Symposium[05/04/25]** : Hotel Aurora Towers Address: 9, Moledina Road, Camp, Pune, Maharashtra 411001

Objective:

- **Identify Trends** : Analyze how AI is influencing educational methodologies and software development practices
- **Share Knowledge** : Provide a platform for students, educators and professionals to share insights and experiences.
- **Future Proof Careers** : Equip attendees with knowledge to thrive in an AI driven job market

Target:

Faculty members, Research Scholars, Post-Graduate and Undergraduate students of ECE and EE departments.

Chief Patrons:

Dr. A. S. Chandak, Trustee, M.E.Society
Prof. Sachin Sanap, Trustee, M.E.Society

Patron:

Dr. M. P. Dale, I/C Principal

Convener: Dr. P. P. Mane, HOD E&TC

Program Advisor: Prof. Nabegha Yusufzai

Cordinator: Dr. M. M. Dhanvijay and Prof. Y. M. Ajar

Organizing Committee Members:

Dr.P.B. Chopade, Dr.P.N. Kota, Ms.B.M. Narute, Mr.S.N.Dharwadkar
Dr.K.S. Tiwari, Mrs.A.S. Kulkarni, Dr.R.S.Kadam, Mr.S.S. Pansare
Mrs.U.V.Bomble, Mrs.U.D.Dattasamje, Dr. P.M. Bagul, Ms.P.S. Tondewad
Mrs.S.D.Ganage, Mrs.Smita Tikar, Mrs.Kirti Shinde, Mrs.N.P. Jangale
Ms.P.S.Deokate, Mrs.Gauri Kulkarni Mr.L.N.Malagi, Mr.S.A.Dhebe
Mr.L.M.Fandilolu, Mr.D.D.Ughade, Mr.S.N.Kasbe

About the conference:

In association with IETE Pune Centre, ICT Academy , SYNERGY 2025 was organized by the Department of E&TC Engineering on 4th & 5th April 2025. The National Conference on Advancement in Communication, Computing & Electronics Technology held on 4th April 2025 in Hybrid mode. This event gathers thought leaders, educators, industry professionals and policymakers to explore how artificial intelligence is reshaping our approaches to education and transforming job markets worldwide. As AI continues to evolve, it presents

both challenges and opportunities. This symposium will delve into the implications of AI, fostering discussions that can lead to innovative solutions and practices in learning and employment.

International Symposium on The Impact of AI on Education & Industry Jobs stands as a beacon of collaboration and innovation in the realm of education. In an increasingly interconnected world, the conference serves as a vital platform for forging meaningful partnerships between industry leaders and academic institutions. By harnessing the collective expertise of professionals, researchers, educators, and policymakers, Synergy 2025 endeavors to propel educational excellence to new heights. At the heart of Synergy 2025 lies the recognition of the symbiotic relationship between industry and academia. By fostering dialogue and collaboration between these two spheres, the conference aims to bridge the gap between theory and practice, ensuring that educational initiatives are not only relevant but also responsive to the evolving needs of society. Through a series of keynote speeches, panel discussions, and interactive workshops, participants will delve into a wide range of topics, from innovative teaching methodologies to the integration of emerging technologies in education.

One of the key objectives of Synergy 2025 is to explore how partnerships between industry and academia can drive positive change in education. By leveraging the resources, expertise, and networks of both sectors, participants will uncover new opportunities to enhance learning outcomes, foster student success, and promote lifelong learning. Moreover, the conference will delve into the role of education in addressing pressing global challenges, such as sustainability, digital literacy, and social equity, highlighting the importance of collaborative approaches in tackling these complex issues. Beyond its academic and professional dimensions, Synergy 2025 offers a unique opportunity for networking and cross-disciplinary exchange. Participants got the chance to connect with like-minded peers, share insights and experiences, and forge lasting partnerships that extend beyond the confines of the conference. By cultivating a vibrant community of educators, innovators, and thought leaders, Synergy 2025 aims to catalyze collective action towards building a brighter future for education, one characterized by synergy, collaboration, and excellence.

There has been a huge response to the call-for-papers for the Conference [SYNERGY 2025]. Around 39 numbers of researchers have participated. The researchers, academicians and industry persons of the leading organizations, institutes and industries from Nashik, Mumbai, Pune region. Our some panelist were from outside India, Uk also. To quote few are as follows-

1. Preeti Baviskar– Founder, Director, Pi Academy & school uniguide, UK.
2. Sneha Bhapkar- Co-founder Shunya OS
3. Sandhya Venu Sanjay-Service excellance leader EY, Bangalore

A committee of 15 reviewers put in their efforts to review received papers. Total 39 Paper were presented on the day of the conference in hybrid mode. The observations and suggestions by the reviewers were helpful to the authors for further improvements in their papers. The conference was approved by IETE Pune center. In order to motivate the participants, we have announced the 'Best Paper Award' for the papers from each category. By and large these technical papers added a true value in current research and development trends in the field of Communication, Computing and Electronics Engineering.

[SYNERGY 2025]

Day -1 : 4th April 2025

Conference: [Hybrid Mode]

On the day of the conference, i.e. on Friday 4th April 2025, the Inaugural Function was arranged in Hybrid mode at 9 am. Dr. M. M. Dhanvijay, Coodinator Synergy 2025 briefed about objectives of conference and also elaborated the significance of paper presentation and publication.

Dr. P. P. Mane, HoD E&TC Department highlighted about the department and presented the key points about the conference in her welcome address. Also encouraged the participants with her motivating speech.

- Participants were given certificates for presenting their paper and best paper awards are also given.
- It gives us an immense pleasure to share with you that the papers of the conference SYNERGY 2025 will be considered for Publication in Journal after the peer review process.

Schedule Day 1:

SYNERGY 2025 Schedule				TIME
DAY 1: 04-04-2025				
Breakfast				8:30 AM- 9:00 AM
Paper Presentation				09:00 AM -12:00 PM
Offline (3 Tracks)				
Session	Paper ID	Paper Title	Registered Author(s)	Institute
Session 1 (Room No-315)	AIML_1	RPI-Powered Smart Glasses for Object Detection and Feedback	Divyanshi Rathore	MESWCOE
	AIML_2	AI-Driven Early Warning System for GLOFs Using IoT & Remote Sensing	Chinmay Kumbhar	AISSMS College of Engineering Pune
	AIML_3	Weapon Detection System Using YOLOv8	Sambhav Solanki	MESWCOE
	AIML_4	Iris Detection using Faster RCNN for Biometric Applications	Pooja Dilip Pokal	MESWCOE
	CN_1	Developing Wireshark Plugins for Detecting TCP, UDP and SYN Flood Attacks	Prince Pasi	MESWCOE
Session 2 (Room No-316)	Auto_1	Test Automation:HMI & PLC	Devansh Paresh Naik	MESWCOE
	Auto_2	Adaptive PID Controller Tuning	Aishwarya Manoj Kamble	MESWCOE
	VES_1	Enhancing Linux Compatibility in Industrial HMI Systems	Prasad Nikam	MESWCOE
	VES_2	Innovative Architecture of a Smart Bidirectional Input / output interface for Automotive Electronics	Pranav Veerkar	MESWCOE
	VES_3	Reversible Logic-Based	AISHWARYA	MESWCOE

		Kogge-Stone Adder	BHADKE	
Session 3 (Room No-418)	VES_4	Implementation Of Matter Protocol For Industrial Automation	Abhijeet Kamble	MESWCOE
	VES_5	Design and Performance Analysis of Power-Efficient and High-Speed Multipliers Using Vedic Mathematics	Shruti Naik	MESWCOE
	VES_6	Unmanned Aerial Vehicle for Surveillance and Reconnaissance using NRF module and STM32 Flight Controller	Jaspal Singh Wasal	MESWCOE
	VES_7	Seat electronic control unit for automotive application	Pratik Pawar	MESWCOE
	PE_1	LLC RESONANT CONVERTER FOR 480W SMPS	Swapnil Dhondiram Akhade	MESWCOE

Online

Session 4 (Link - https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODNIMmJjMWQtYTBkZC00MGY3LWI4NmItZTI3YmU1ZTkWYWU5%40thread.v2/0?context=%7b%22Tid%22%3a%22a3d598b6-6092-4351-b1a3-b213e8adc03b%22%2c%22Oid%22%3a%227300e032-4748-44a5-9f91-c72958afdf3%22%7d)

Session 4	Other_1	Smart vehicle system with enhance safety	Srushti patil	JSPM Narhe campus, Pune
	Other_2	Conceptual Design of an Autonomous 6-DoF Robotic System for Artillery Ammunition Loading	Siddharth Andhale	MESWCOE, Pune
	Other_3	ROBOAT- THE WATER CLEANING MACHINE	Shruti Kokate	MESWCOE, Pune
	Other_4	Lidar-Imu Fusion for 3D Mapping	Pranav Kolekar	MESWCOE, Pune
	Other_5	Smart Library Management System using RFID Tags and Data Analytics	Sanskar Gajbhiye	MESWCOE, Pune

Session 5 (Link - https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjYyYTEyNDItMGIxMi00YzdiLTgxNzctODcwMDQ2MGVknTYz%40thread.v2/0?context=%7b%22Tid%22%3a%22a3d598b6-6092-4351-b1a3-b213e8adc03b%22%2c%22Oid%22%3a%227300e032-4748-44a5-9f91-c72958afdf3%22%7d)

Session 5	IoT_1	IOT Based Battery Free, Wireless Thermal Tag	Siddhesh Sable	MESWCOE, Pune
	IoT_2	MediVoice: AI-Based Voice Assistant	Sanskriti Sonawane	MESWCOE, Pune
	IoT_3	Adaptive traffic light for ITS	Abhijeet Andhalkar	MESWCOE, Pune

	IoT_4	Smart IoT Based Personal Safety and Health Monitoring device	Priyanka Parmar	MESWCOE, Pune
	IoT_5	IoT Based Automated Pet Feeder	Disha Kumbhakarna	MESWCOE, Pune
Session 6 (Link - https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODNIMmJjMWQtYTBkZC00MGY3LWI4NmItZTI3YmU1ZTkWYWU5%40thread.v2/0?context=%7b%22Tid%22%3a%22a3d598b6-6092-4351-b1a3-b213e8adc03b%22%2c%22Oid%22%3a%227300e032-4748-44a5-9f91-c72958afdf3%22%7d)				
Session 6	IP_1	Plant Leaf Disease Detection Using CNN	Aashlesha Shedge	MESWCOE, Pune
	IP_2	Ocr Based Number Plate Detection Using Yolov8	Gauri Khiste	MESWCOE, Pune
	IP_3	VisionAssist- Facial Recognition for Visually Impaired	Jay Zunjarrao	MESWCOE, Pune
	VES_8	Offline Voice Recognition for Home Automation	Abhijit Indulkar	MESWCOE, Pune
	VES_9	AeroAgri Stabilization & Spraying	Neelam Devraj	MESWCOE, Pune
	VES_10	Hand Gesture-Based Speech System for the Hearing and Speech Impaired	Aachal Dhokane	MESWCOE, Pune

Day2 : 5th April 2025

On the day Symposium, i.e. on Saturday 5th April 2025, the Inaugural Function was arranged in offline mode at 9 am. Dr. K. S. Tiwari gave the introductory speech and greeted the dignitaries and the participants. The inaugural function was hosted by Prof.P.M.Bagul. The function was started with 'Saraswati Poojan' by singing Saraswati Vandana in the presence of the dignitaries.

Dr. M. M. Dhanvijay and Prof. Yogita M. Ajar Coordinator Synergy 2025 briefed about objectives of Synergy 2025 and also elaborated the significance of paper presentation and publication.

Dr. P. P. Mane, HoD E&TC Department highlighted about the department and presented the key points about the conference in her welcome address. Also encouraged the participants with her motivating speech.

Dr. M.P.Dale, Principal, MESWCOE highlighted the important activities of the college and gave her best wishes to SYNERGY-2025. She highlighted on the latest technologies and research areas.

The audience was addressed by Chief Guest Prof. PRABHAT RANJAN Vice Chancellor, D. Y. Patil International university. Prof Ranjan is a Nuclear Fusion Scientist, a Futurist, an Educator, an Innovator, an Entrepreneur and a Science Communicator. From 2013-18, he was heading India's Technology Think Tank, TIFAC (Technology Information, Forecasting and Assessment Council, an Autonomous body of DST, GoI) in Delhi as its Executive Director. TIFAC developed Technology Vision 2035 during his tenure, which was released by Hon'ble

PM in Jan 2016. PMO directed all Dept/Ministries to follow this document and take the agenda forward under the leadership of NITI Aayog. He highlighted the benefits for paper presentation and noted about to bring all researchers together, will get a good platform, exchange of ideas, and knowledge and thoughts will be there and it's a need of the hour.

Outcome:

- Students and research scholars were made aware about the recent trends in the field of electronics and electrical engineering.
- Students knew about the benefits of such conferences so that they may get an insight into the field of research which is an essential factor for the advancement of their career.

Scope for Improvement:

- Internationally renowned speakers may be called as resource persons.
- Paper presentation can be initiated through Web conferencing.
- More number of researchers & students may be given the opportunity to produce good- quality research papers.

 <p>Modern Education Society's Wadia College of Engineering, Pune Department Of Electronics & Telecommunication</p>		 <p>2ND INTERNATIONAL SYMPOSIUM ON "THE IMPACT OF AI ON EDUCATION AND ON INDUSTRY JOBS" [SYNERGY-2025] Our Speakers- Academia Industry Panel 05 April, 2025</p>	
<p>SYNERGY 2025 Schedule</p> <p>DAY 2: 05-04-2025</p>		<p>TIME</p>	
<p>Academia Industry Panel</p>		<p>2:30 PM to 3:30 PM</p>	
<p>Dr. MANISH SHARMA, Researcher, Head, Innovation and Incubation Cell, DYPCOE</p>		<p>3:30 PM to 4:00 PM</p>	
<p>SANKET MODAK, Manager, Functional Safety, Magna Steyr</p>		<p>4:00 PM to 4:15 PM</p>	
<p>SNEHA BHAPKAR, Co-Founder, Shunya OS</p>		<p>4:15 PM to 4:30 PM</p>	
<p>PREETI BAVISKAR, Founder, Director, Pi Academy & School Uniguide, UK</p>		<p>4:30 PM to 5:00 PM</p>	
<p>ISHITA BAVISKAR, Co-Founder, Director, Pi Academy & School Uniguide, UK</p>		<p>5:00 PM to 6:00 PM</p>	
<p>Students' Presentation</p>		<p>6:00 PM</p>	
<p>Concluding Remark by Observer: Dr. P. B. Mane, Principal, IOIT, Pune</p>		<p>End of session</p>	

 <p>2ND INTERNATIONAL SYMPOSIUM ON "THE IMPACT OF AI ON EDUCATION AND ON INDUSTRY JOBS" [SYNERGY-2025] Our Speakers- Banking/Law/Social</p>		 <p>2ND INTERNATIONAL SYMPOSIUM ON "THE IMPACT OF AI ON LEARNING AND ON INDUSTRY JOBS" [SYNERGY-2025] Our Speakers- Industry Panel</p>	
<p>DR. GANESAN, CFO, M.E. Society</p>		<p>SANDHYA VENU SANJAY, Services Excellence Leader, EY</p>	
<p>MR. PRANTIK PANIGRAHI, Life Coach</p>		<p>NAVID KHAN, Senior Manager, Genpact</p>	
<p>DR. AARVA MANE, Dentist, Lawyer, Medico-Legal Consultant, MedTech Innovator, Intellectual Property Law</p>		<p>NASIR CHANDWALE, Vice President, Xponential Technologies</p>	
<p>MR. SHARAD BHANU, Vice President, COO, Deutsche Bank, Pune</p>		<p>NILESH SANE, CEO, Rowise Analytics & Technologies Pvt. Ltd</p>	
<p>05 April, 2025</p>		<p>05 April, 2025</p>	



SYNERGY-2025 Team



Dr. M. P. Dale-Principal , While Introducing About the College



Dr. P.P. Mane, While Introducing About the Department



Prof. Sachin Sanap, Trustee, M.E.Society Giving valuable inputs



One day Workshop on “Self Defense” on 18 Feb 2025

This is a scheme introduced by the Board of Student Welfare, Savitribai Phule Pune University to create the awareness about the importance of self-defence in girl students. under the **Nirbhay Kanya Abhiyaan** and is jointly organized by MES’s Wadia College of Engineering, Pune and the Board of Student Development, Savitribai Phule Pune University, Pune. This program is organized for girl students.

This workshop was held by Mr. Sachin Jare Sir along with three students. They taught various types of punches, kicks types. Along with this he also shared small tricks for uncertain conditions. He taught many things about how to defend ourselves in some uncertain situations and in harmful conditions

Objective :

1. To develop a critical mind, self-confidence and a commitment to society.
2. The lady students are given training in health, law, and Student activities.
3. While learning involving girls in various activities.

Target Audience: Selected girl students from each department.

Date:18/02/2025

Venue: Seminar Hall (514)

No. of Participant: 57

Coordinators:, Prof. U.D.Dattasamje, Prof. G.B.Auchar, Prof. P.V..Aundhkar

Volunteers: - Arpita Bansode and Neelam

Topics Selected: Self Defense

Resource Persons: Mr. Sachin Jare 2nd Degrees Black Belt, International Coach, National Referee National Gold Medalist

Activities:

Speech and Demonstration by **Mr. Sachin Jare**

Program Outcomes:

1. **Decision making:** The ability to get a realistic understanding of the problem, situation and therefore help in the Decision-Making process.
2. **Self-awareness:** The ability to conduct oneself as a reflective and accountable person including seeking out sources of informed criticism and valuing, reflecting and responding to them appropriately.
3. **Self-learner:** The ability to manage own learning by searching out and selecting appropriate resources of all types.
4. **Self-care:** Recognition of the pressures of a demanding professional life on health, well-being and relationships with others and the need to maintain a balance between personal, professional and social goals and activities. Evidence of attention to lifestyle, diet, exercise and relaxation.



Expert Session on “Addiction & Technology: Gaming, Social Media, and Mental Health Awareness”, on 6th February 2025

This scheme is introduced by the Students' development Board, Savitribai Phule Pune University under other activity and is jointly organized by Modern Education Society’s Wadia College of Engineering, Pune; this program is organized for Engineering students and faculties.

About Speaker

- Ms. Sonali Kale, Deputy Director, Mukhtangan Vyanan Mukti Kendra, Pune

Topic Covered

- Introduction of Mukhtangan Vyanan Mukti Kendra, Pune, its objectives, working area
- Influence of social media on today’s day to day life
- Advantages and disadvantages of social media
- Importance of Digital detox to avoid adverse effect of social media
- Participants learned about terminology ‘SMART’ using social media such as sensible use, manage social media accounts, acts wisely, reaching out and trusting parents

Objectives:

1. To make awareness in the students regarding Addiction & Technology
2. To engage students in exploring the exciting benefits and potential drawbacks of social media, and uncover its powerful impact on mental health

3. The vital importance of a digital detox to protect yourself from the negative impacts of social media, gaming and reclaim your well-being

Outcomes:












Students will be able

1. To have knowledge of Vyasan Mukti Kendra and its working
2. To understand the influence of social media on our daily lives with their advantages and disadvantages
3. To understand and use of digital detox and SMART terminology

4. **Target group:** F E Engineering students. **No. of Participants:** 80 **Duration:** One Day **Venue:** Seminar hall, 514 **Time frame:** 10.30 am -12.30 pm

The session began with an introduction to Muktangyan Vyasan Mukti Kendra, Pune, highlighting its objectives and working areas. Participants were then engaged in understanding the influence of social media on today's day-to-day life, exploring both the advantages and disadvantages it brings. The discussion continued with an emphasis on the importance of a digital detox such as administering IAT, excessive use of screen, no blame game, from misuse to use, communication, hobbies, exercise, mindfulness, social responsibility to avoid the adverse effects of social media. Furthermore, participants were introduced to the "SMART" terminology, learning how to use social media sensibly, manage their social media accounts, act wisely, reach out when needed, and trust their parents for guidance and support. At the end of the session, the speaker addressed and resolved all the students' queries, providing insightful answers and ensuring clarity on all topics discussed.

The workshop concluded by felicitations of resource person Ms. Sonali Kale, Deputy Director, Muktangyan Vyasan Mukti Kendra, Pune by Student Development department.

<p> Attention Students! </p> <p>Join us for an Expert Session on "Addiction & Technology: Gaming, Social Media, and Mental Health Awareness"   </p> <p> Date: 6th Feb 2025</p> <p> Time: 10:30 AM – 12:30 PM</p> <p> Venue: Seminar Hall 514</p> <p> Speaker: Ms. Sonali Kale, Deputy Director, Muktangyan Vyasan Mukti Kendra, Pune</p> <p>Don't miss this insightful session on digital addiction and mental well-being! See you there! </p> <ul style="list-style-type: none">• Student Welfare Section, MES's Wadia College of Engineering, Pune	 <p>GPS Map Camera</p> <p>Pune, Maharashtra, India</p> <p>1st Floor, No.119, Connaught Place Bund Garden Road, Near Wadia College, Sangamwadi, Pune, Maharashtra 411001, India</p> <p>Lat 18.535189° Long 73.880657°</p> <p>06/02/2025 11:17 AM GMT +05:30</p>
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