



**WE SEE DEPARTMENTS
DIFFERENTLY**
E&TC



MODERN EDUCATION SOCIETY'S

Wadia College of Engineering

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Department of Electronics & Telecommunication

Newsletter Volume – 19 Issue 28, JAN-MAY 2024

VISION

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

MISSION

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

PATRON

Dr. M. P. Dale (Principal)

EDITORS

Prof. B.M.Narute

Prof. U. D. Dattasamje

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FROM HOD'S DESK

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

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

Dr. Pranoti P. Mane
HOD, E&TC

FROM THE EDITOR'S DESK

Greetings,

Through this newsletter, I am pleased to present a reflection of the various activities carried out by our department during the last semester. This publication, planned to be released twice a year, aims to provide a snapshot of the key developments, achievements, and progress within the E&TC Department.

I am delighted to stay connected with you through this edition of the Newsletter 2023–24, Semester II which highlights the efforts and accomplishments of the semester. I sincerely appreciate your continued support and welcome your valuable feedback.

Prof. B. M. Narute
Prof. U. D. Dattasamje

FROM THE STUDENT'S DESK

It is a great privilege to be a part of the Electronics & Telecommunication Department. Our department provides strong technical knowledge along with opportunities to participate in various academic, technical, and extracurricular activities.















Workshops, industrial visits, and technical events help students gain practical exposure and stay updated with modern technologies. We sincerely thank our faculty members for their constant support and guidance

Dhruv Subandh
Department of E&TC

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.	AAD	Prof. Aparna. S. Kulkarni
9.	RSK	Dr. Rekha. S. Kadam
10.	SSP	Prof. Sunil. S. Pansare
11.	UVB	Prof. Usha. V. Bomble
12.	NM	Prof. Nabega. Masood
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.	SST	Prof. Sukruti. S. Taori
20.	VHK	Prof. Vaishali. H. Kamble
21.	AVS	Prof. Akshata. V. Salunke
22.	PSD	Prof. Puja Deokate
23.	SDG	Prof.Suchita D. Ganage
24.	G	Prof. Gauri Kulkarni
25.	KPS	Prof. K.P.Sinde

CLASS TOPPERS :

Toppers of SE				
				
KALE AISHWARYA VIJAY	DESHMUKH AMOD RAJENDRA	SUTAR AKSHATA ABASO	SUBANDH DHURUV DEEPAK	GHUBLE SUJAL VIJAY
SGPA: 9.18	SGPA: 9.14	SGPA: 9.09	SGPA: 9.05	SGPA: 8.82
Toppers of TE				
				
NAIK DEVANSH PARESH	SWAPNIL DHONDIRAM AKHADE	POPALGHAT VISHNU SANTOSH	KARANDIKAR ANKUR YOGESH	BARGAJE PRATHAMESH VAIJANATH
SGPA: 9.57	SGPA: 9.57	SGPA: 9.38	SGPA: 9.05	SGPA: 8.95
Toppers of BE				
				
ANJALI SURYAKANT JADHAV	KULKARNI RIDDHI VIVEK	BALGUDE PRANJAL VILAS	LAXMIRAMAN GUDEWAR	THANVI KHUSHAL RAJENDRA
SGPA: 9.7	SGPA: 9.7	SGPA: 9.55	SGPA: 9.55	SGPA: 9.55

2) List of students placed in various companies

Sr. No.	Company Name	Name	Package
1	Anjali Jadhav	Visteon	7.00
2	Pranjal Balgude	Visteon	7.00
3	Yash Bari	GIC	4LPA
4	Rohan Choughule	GIC	4LPA
5	Vishakha Sonar	GIC	4LPA
6	Rohan Somnath Gund	GIC	4LPA
7	Chinmay Sanjay Kulkarni	GIC	4LPA
8	Parvati Sunil Khokle	GIC	4LPA
9	Adarsh Patil	GIC	4LPA
10	Shubh P Malkar	GIC	4LPA
11	Vinit Gamre	Amazon	3.50
12	Anushka Ghate	Amazon	3.50
13	Christy Daniel	Amazon	3.50
14	Samridhhi Diwedi	Amazon	3.50
15	Madhur Bagwe	Amazon	3.50
16	Rohan Honde	Amazon	3.50
17	Ansh Tomar	Eidiko	4.70
18	Sudnya Salgarkar	Bharti Airtel	5.50
19	Utkarsha Mokal	Bharti Airtel	5.50

Faculty Achievement / Special Work :

Dr. K.S. Tiwari:

1. Defect Inspection of Coated CFRP structured based on Microwave split ring Resonator.
2. An Advanced Encryption Algorithm for Enhancing Data Security in Cloud Computing
3. Cyber Security Challenges and Effective Security Measures for IOT-based Intelligent Healthcare Systems.
4. Reversible Logic Gates and Applications – A Low Power Solution to VLSI Chips

Prof. P. M. Bagul was invited as a Recourse person for the subject Embedded System Design at E & Tc Department in PVG College of Engineering on 10/04/2024.

Publications (Journal):-

Name of the author/s	Title of paper	Name of journal
Dr. K. S. Tiwari	An Advanced Encryption Algorithm for Enhancing Data Security in Cloud Computing	Recent Advances in Electrical & Electronic Engineering
Dr. K. S. Tiwari	Cyber Security Challenges and Effective Security Measures for IOT-based Intelligent Healthcare Systems	Recent Advances in Electrical & Electronic Engineering
Dr. K. S. Tiwari	Reversible Logic Gates and Applications – A Low Power Solution to VLSI Chips	Mathematical Modelling of Engineering Problems

WORKSHOP / FDP ATTENDED :

Sr. No	Name of teacher	Name of conference/ webinar/FDP/ FOW/workshop attended
1.	Mrs.Aparna Kulkarni	Data anaysis using POWER BI
		International workshop on AI innovations and Matlab solutions
2.	Mrs. P. M. Bagul	National Level 1 week FDP on "Generative AI using ChatGPT"

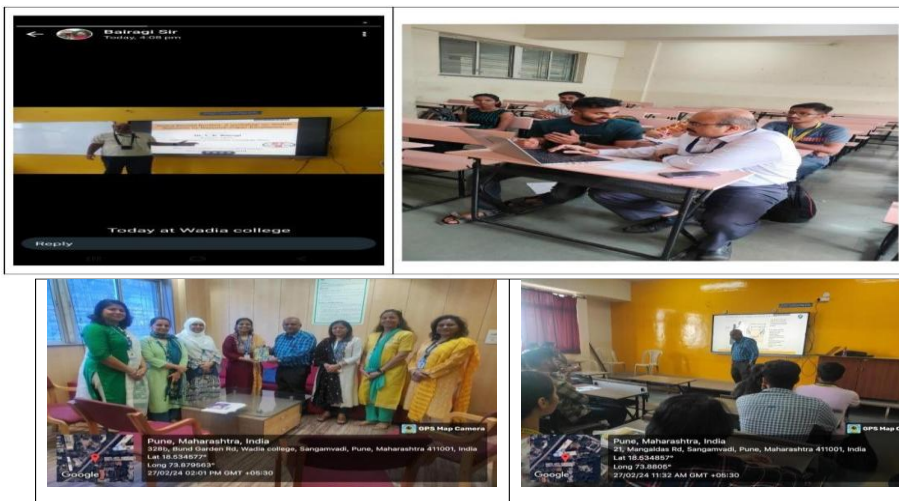
DEPARTMENT ACTIVITIES :

Parent meeting was held on Saturday, 16th March 2024 in the Room numbers 315,316 and 418. Parents were informed to attend the meeting through WhatsApp Invitation Card, messaging and telephonic chat by the respective Parent Teacher. Parents were invited to discuss their wards performance, attendance, result, co-curricular and extracurricular activities and related queries.



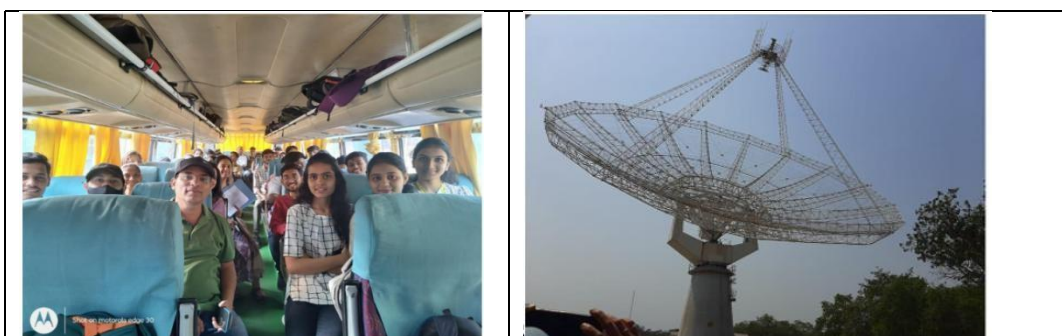
Guest Lectures :-

Guest lecture on “Role of Embedded System in Automotive Industry” Conducted on 27th Feb,2023. The guest speaker has an industry experience of more than 20 years. He shared his experiences with the students. Sir gave the insights of the current industry trends in the automotive industry. He also gave idea about the skills that are expected from the fresher students by the automotive industry. Students interacted with the sir in detail even after the session is over.



Workshop Conducted on "Writing Beyond Borders: A workshop on Global Standards for Research Paper Excellence On 4th April 2024 day 1 workshop on Global standards for research paper excellence. On 12th April 2024 day 2 workshop on Global standards for research paper excellence.

Industrial Visit at GMRT On 28th Feb 2024 for SE A and B both division students had arranged on 28th Feb 2024. Students got the knowledge about radio astrophysics.



Industrial Visit at Mahagenco Baramati on 8th April 2024 organized for TE students Mr. Vijay Kulkarni has given full explanation 36 MW solar power plant in Baramati. The project is developed and owned by Maharashtra State Power Generation. The project supplies enough clean energy to power 240,000 households. With the aim to play the role of an environmentally responsible organisation. MAHAGENCO has installed 99.9 per cent efficiency high performance Electrostatic Precipitators (ESP), Low NOx Burners, ambient air quality monitoring equipment and plans to upgrade old unit ESP & pollution control equipment. The power generated from the project is sold to Maharashtra State Electricity Distribution under a power purchase agreement for a period of 25 years. As per data share by Mr. Vijay Kulkarni, They have 95655 Units for Plant A, and 94920 units for plant B Power Generation on Date- 08/04/2024



Curricular Activities:-

AAVARTAN 2K24 Conducted on 24th & 25th Jan 2023. Annual Departmental fest named ‘AAVARTAN 2k24’ was organized by Electronics & Telecommunication student’s association on 24th and 25th January 2024 in association with Modern Education Society’s Wadia College of Engineering Pune-01. The event was held in offline mode. 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.



Conference

International Symposium and Conference On“Networking Industry and Academia to Build Partnership in Excelling Education [SYNERGY 2024] Conducted on 15th & 16th April,2024.

The inaugural function of Synergy 2024 was held on 15th April 2024 at 9:00 AM. Hosted by Prof. P. M. Bagul, the event began with Saraswati Poojan.Dr. M. M. Dhanvijay shared the conference objectives, while Dr. P. P. Mane and Dr. M. P. Dale highlighted key insights on research and technology. The conference Souvenir was unveiled.Prof. Sachin Sanap extended his best wishes, and Chief Guest Mr. Bharat Gite emphasized the importance of research collaboration.Day 2 Was conducted on 16th April 2024 The first Tech Talk featured Mr. Vishwas Vaidya, a Senior Consultant, who provided insights into emerging industry trends and the role of innovation in technology advancement. His session set the stage for thought-provoking discussions, inspiring participants to explore cutting-edge research and development.



Editorial Student Team – E&TC Newsletter



Subandh dhruv deepak



Mr. Christy Daniel



Neeraj Chajed



Simrit Gill



Sairaj Pujari

PROGRAM OUTCOMES (POs)

1.Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2.Problem analysis: Identify, formulate,review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3.Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4.Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5.Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6.The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10.Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11.Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12.Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Apply concepts and knowledge of mathematics, basic electronics engineering to various areas like Signal processing, Embedded Systems, VLSI, Communication engineering etc.
2. Design and analyze electronic engineering problem with given specification
3. Implement Electronic and Communication system using appropriate hardware and software tools, keeping in mind it's societal and environmental effect.