



Department of Electronics and Telecommunication Engineering



Pune Vidyarthi Griha's
College of Engineering & Shrikrushna S. Dhamankar Institute of
Management, Nashik

Department of Electronics & Telecommunication Engineering

2024-25 (SEMESTER – I)

NEWSLETTER



206, Dindori Rd, behind Reliance Petrol Pump, Gorksha Nagar, Mhasrul Gaon, Nashik,
Maharashtra 422004



From the Editorial Team

Dear Readers,

It gives us immense pleasure to present the third edition of our departmental newsletter. With the successful publication of three consecutive issues, the newsletter has become a valuable platform for documenting and showcasing the achievements, activities, innovations, and accomplishments of our students and faculty members.

Over the past editions, we have captured numerous academic, technical, co-curricular, and extracurricular events that reflect the vibrant culture and continuous growth of our department. This newsletter serves as a record of our collective efforts, creativity, and dedication toward excellence.

We sincerely thank the management, principal, faculty members, students, and contributors for their unwavering support and enthusiastic participation. Their valuable contributions have made each edition informative, engaging, and inspiring.

We hope this newsletter continues to strengthen communication, encourage knowledge sharing, and celebrate the successes of our department. We look forward to your continued support and contributions in future editions.



News Letter Core Committee

Head of Department



Prof. Dr. M. V. Bhalerao



Mr. Atul M. Borade
Assistant Professor



Ms. Vrushali K. Jadhav
Assistant Professor

Edited By



Lavanya H. Joshi
Student Editor



Jenendra V. Gade
Student Editor



Content

- **Institute Vision and Mission**
- **Department Vision and Mission**
- **International Save Girl Child Day Celebration**
- **CSR Activity**
- **Industrial Visit**
- **FDP/Workshop/Training**
- **Conference/Journal (Staff)**
- **Staff & Student Achievements**



Institute Vision and Mission

Vision

- To achieve excellence in engineering education with focus on technical skills.

Mission

- To achieve high standards of excellence in generating and propagating knowledge in engineering.
- To impart knowledge and skill based affordable education to all classes of the society.
- To fulfil expectations of the stakeholders by equipping students with state-of-the-art technological resources.
- To provide an ecosystem for nurturing the spirit of entrepreneurship among students.



Department Vision and Mission

Vision

- To provide state-of-the-art technical education to prepare Electronics & Telecommunication engineers for the benefit of the society.

Mission

- To provide state-of- the-art facilities and opportunities to create, interpret, apply and disseminate knowledge.
- To provide quality education to students.
- To enrich the skills in collaboration with industry for better career opportunities.
- To emphasize and inculcate research attitude among students and faculties.
- To inculcate ethics, values and environmental awareness among students.



International Save Girl Child Day:

The Pune Vidyarthi Griha's College of Engineering & Shrikrushna S. Dhamankar Institute of Management, Nashik celebrated **International Save Girl Child Day** on **17 October 2024**. The event aimed to spread awareness about the importance of protecting, educating, and empowering girls.

The program included Saraswati Pujan, speeches by Principal Dr. M. V. Bhalerao and Chief Guest Mr. Atul K. Dahake (Senior Police Inspector), followed by cultural performances by students. Winners of the Rangoli, Essay Writing, and Poster Making competitions were felicitated with prizes and mementos. The celebration successfully promoted the message of gender equality and girl child empowerment.



Welcome address marking the beginning of the program



Cultural performances by students



Participants showcasing their creativity in the Rangoli Competition



CSR Activity

The Department of E&TC Engineering, through ASSET, organized a **Food and Cloth Donation Drive** on **15 October 2024** at **Shree Jalaram Niwasi Matimandh Vidyalay, Nashik**. The activity was conducted to support differently abled students and encourage social responsibility among students and faculty. Food packets, clothing, and essential items were distributed to the beneficiaries. Volunteers also spent quality time interacting with the students, making the event a meaningful and enriching experience for everyone involved. The initiative promoted empathy, inclusivity, and community engagement while bringing happiness to the beneficiaries.

Objectives:

- To provide essential food and clothing items to differently abled students.
- To foster social responsibility, empathy, and compassion among students.
- To encourage community engagement and support for underprivileged sections of society.



Students and faculty members participating in the Food and Cloth Donation Drive at Shree Jalaram Niwasi Matimandh Vidyalaya, Nashik



Distribution of food packets and clothing items to differently abled students



Volunteers interacting with students and spreading joy through meaningful engagement



Industrial Visits

ESDS Software Solutions Pvt. Ltd., Nashik:

The E&TC Department organized an industrial visit to ESDS Software Solution Limited, Nashik, to provide students with practical exposure to cloud computing, data center operations, and IT infrastructure management. During the visit, students learned about data security, server management, virtualization, and cloud services. Industry experts explained various technologies and career opportunities in the IT sector. The visit helped bridge the gap between theoretical knowledge and real-world industrial practices.

Date: 15 Oct. 2024

Class: BE (E&TC)

Objectives:

- To understand data center and cloud computing technologies.
- To gain exposure to modern IT infrastructure and services.
- To explore career opportunities in the IT and cloud computing domain.



Interactive session with industry professionals at ESDS Software Solutions



FDP/Workshop (Staff)

Sr. No.	Faculty Name	Program Name	Organizer	Duration
1	Manoj Vasant Bhalerao	Exploring artificial intelligence	DMI college of engineering ,chennai	5 Days
		AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days
2	Archana Ramnath Sonawane	AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days
		FDP on semiconductor Fabrication Technology	D.Y.Patil international university Akurdi	6 Days
3	Sagar Madhukar Pangavhane	Generative- AI	Department of Computer Engineering, Pimpri Chinchwad College of Engineering and Research, Ravet, Pune.	6 Days
4	Atul Madhukar Borade	AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days
5	Swati Nivrutti Bhangare	IPR Career Summit 2024	Turnip Innovations	3 Days
		AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days
6	Ankush sanjay Pawar	AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days



Department of Electronics and Telecommunication Engineering



Sr. No.	Faculty Name	Program Name	Organizer	Duration
7	Chetana Sandip Ahire	“Incorporating Universal Human Values in Technical Education”	Department of Electronics and Telecommunication Engineering, KJCOEMR, Pune-48	5 Days
		IPR Career Summit 2024	Turnip Innovations	3 Days
		AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days
8	Shukracharya Sampatti Gore	Funding Agencies and Effective Proposal Writing	Department of Engineering Sciences and Mathematics BKC, MET's IOE-Nashik.	1 Day
		Next Generation Technologies on Information and Communication”	Bengal College of Engineering & Technology in collaboration with IIC & EDC.	5 Days
		AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days
9	Shital Atul Barahate	IPR Career Summit 2024	Turnip Innovations	3 Days
		“WEB OF THINGS, MACHINE LEARNING & VIRTUAL LAB”	SNJB'S Shri Hiralal Hastimal (Jain Brothers, Jalgaon) Polytechnic, Chandwad	2 Days
		“Incorporating Universal Human Values in Technical Education”	Department of Electronics and Telecommunication Engineering, KJCOEMR, Pune-48	5 Days
		AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days
10	Vrushali Kailas Jadhav	AI Innovations and MATLAB Solutions	PCET'S , Pimpri Chinchwad College Of Engineering & Research, Ravet.	6 Days



Conference/Journal (Staff)

Sr. No.	Faculty Name	Paper Title	Journal/Conference Name	Indexed In/Publisher	DOI /ISBN
1	Swati Nivrutti Bhangare	An IoT Based Smart Watt Metering for Energy Management System	International Journal of Advanced Research in Science, Communication and Technology	Google Scholar	https://www.ijarsct.co.in/Paper19401.pdf
2	Shukracharya Sampatti Gore	Challenges of Nanotechnology, Nanoscience, Nanobiosensors and Internet of Nano Things with its Applications.	International Journal of Advanced Research in Science, Communication and Technology	Google Scholar	https://www.ijarsct.co.in/Paper22843.pdf
3	Shital Atul Barahate	Enhancing Software Testing Quality Assurance Using Agile Development Environment and Artificial Intelligence With Research Travelogue	International Journal of Advanced Research in Science, Communication and Technology	Google Scholar	https://www.ijarsct.co.in/Paper19443.pdf
4	Vrushali Kailas Jadhav	A Detailed Study of An Internet of Things (IoT): Review, Recent Research Directions and Complete Journey Towards Sustainable and Smart Future	International Journal of Advanced Research in Science, Communication and Technology	International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal	https://www.ijarsct.co.in/Paper19373.pdf



Staff and Student Achievements

Staff Achievements:

NPTEL:

Sr. No.	Faculty Name	Course Name	Score	Duration	Elite/Silver/Gold
1	Swati Nivrutti Bhangare	Introduction to Internet of Things	75%	12 Weeks	Elite + Silver
2	Ankush sanjay Pawar	Research Methodology	71%	8 Weeks	Elite
3	Chetana Sandip Ahire	Research Methodology	61%	8 Weeks	Elite
4	Shital Atul Barahate	Modern Digital Communication Techniques	73%	12 Weeks	Elite

Patents:

Sr. No.	Faculty Name	Patent Title	Application Number	Status
1	Manoj Vasant Bhalerao	Smart Water Quality Monitoring And Alerting System And Method Thereof	202521120790	Published
2	Sagar Madhukar Pangavhane	Smart Water Quality Monitoring And Alerting System And Method Thereof	202521120790	Published
3	Archana Ramnath Sonawane	Smart Water Quality Monitoring And Alerting System And Method Thereof	202521120790	Published



Sr. No.	Faculty Name	Patent Title	Application Number	Status
4	Ankush sanjay Pawar	Smart Water Quality Monitoring And Alerting System And Method Thereof	202521120790	Published
5	Shital Atul Barahate	Smart Water Quality Monitoring And Alerting System And Method Thereof	202521120790	Published
6	Manoj Vasant Bhalerao	A Remote Controlled underwater rescue system and method of operation	202521105790	Published
7	Sagar Madhukar Pangavhane	A Remote Controlled underwater rescue system and method of operation	202521105790	Published
8	Ankush sanjay Pawar	Automated Sapling Handling and planting system and related methods	202521108244	Published

Student Achievements:

Student Participation and Achievements in State and National International Events

Sr. No.	Name of the Student	Name of the Event	State /National/ International level	Date of Event	Name of the award if any
1	Burhanuddin Piplodwala	48- hour hack Ndore hackathon	Indore municipal corporation	26 & 28 July 2024	Participated