



Department of Electronics and Telecommunications Engineering  
Newsletter " : Pulse "



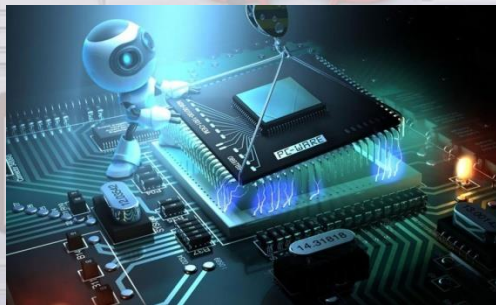
**MGM's College of Engineering, Nanded**  
Department of Electronics and Telecommunication Engineering

## Biannual Newsletter Jan– June 2024



Editor: Ms. M. R. Banwaskar

Student Editors: Ms. Sanskruti More, Ms. Vaishnavi Deshmukh





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**MGM's College of Engineering, Nanded**  
**Department of Electronics and Telecommunication Engineering**



To be one of the leading departments for Electronics and Telecommunication Engineering to develop proficient Electronics Engineers with global acceptance in the service of mankind



**M1:** Promoting academic excellence in Electronics and Telecommunication engineers through experiential learning and industry engagement, focusing on Communication Engineering, VLSI, Embedded Systems and Internet of Things (IoT) for global competitiveness.

**M2:** Inculcating professionalism, innovation, teamwork, and ethical values in 5G Technology, Artificial Intelligence & Machine Learning, Green and Sustainable Technology, and Biomedical Electronics for the benefit of Society and Industry.

**M3:** Elevating student employability through hands-on programming education and cultivating a robust collaborative network with industry, academic experts, alumni, and student projects.

**M4:** Empowering faculty with continuous training in AIML, Medical Image Processing, Signal Processing, and Pedagogy to improve student learning and research productivity.



## Program Educational Objectives (PEOs):

Graduates of Electronics and Telecommunication employed will:

**PEO 1:** Examine semiconductor device physics and enhance skills in advanced modeling and simulation using computational methods.

**PEO 2:** Master signal and Image processing principles as a core skill and specialize in designing embedded and VLSI systems.

**PEO 3:** Keep up with cutting-edge research in Signal and Image Processing, Communication systems and IoT.

**PEO 4:** Foster an academic environment that emphasizes excellence, leadership, and ethical standards in students, equipping them with lifelong learning skills and essential research components for a successful professional career.

## Program Specific Outcomes (PSOs):

Graduates will be able to:

**PSO 1:** Employ modern tools to model, simulate, experiment with, and analyze the performance of Electronics and Telecommunication systems.

**PSO2:** Address economic, social, environmental, ethical, health and safety issues keeping in pace with latest technological concepts.

**PSO3:** Drive need-based innovations in Electronics Telecommunication Engineering, and fostering ‘Make in India’ through an understanding of finance management and entrepreneurship product development.



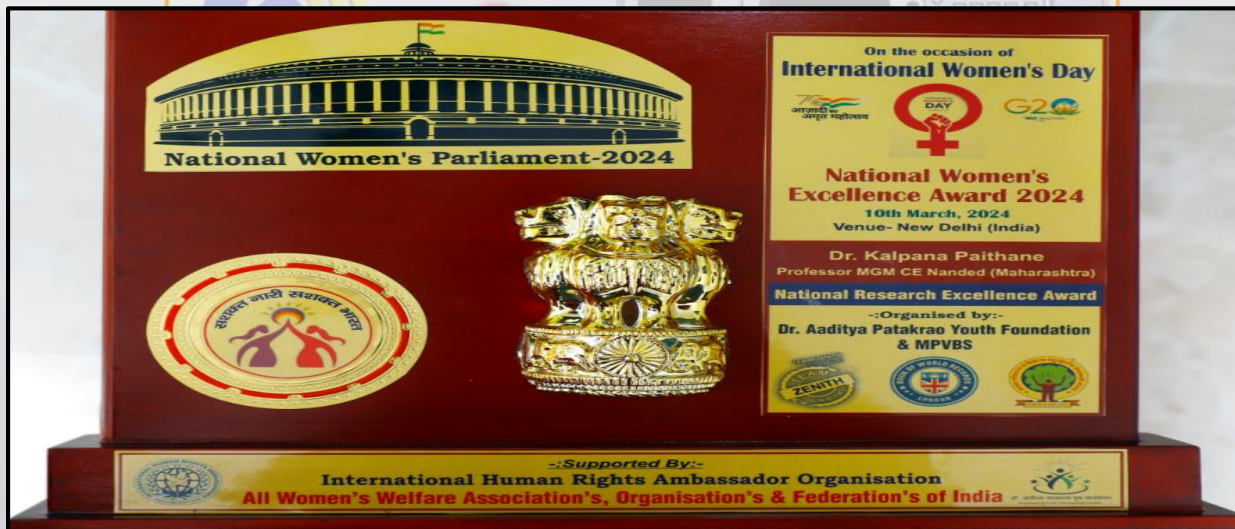
## Faculty Awards

### National Women's Excellence Award-2024

Dr. Kalpana P. Paithane received National Research Excellence Award- 2024

Ms. A. K. Salve received National Teachers Excellence Award- 2024.

The award ceremony was held at New Delhi on 1st March, 2024. The awards were given by Galaxy Foundation, Dr Aditya Paikrao Youth Foundation and MPVSS.





Award Certificate and Memento



Award ceremony at New Delhi






IRSD Distinguished  
Educator Award 2024

# IRSD

## AWARD 2024

13<sup>th</sup> International Conference on  
Interdisciplinary Research for Sustainable  
Development | **IRSD 2024**

Organiser(s)  
I2OR India, Centre for Smart Modern Construction – Western Sydney  
University, Australia Jamia Hamdard – New Delhi,  
Spoken Tutorial IIT Bombay, Sustainable Cosmos, Mendeley &  
The Intelligent Indian










IRSD Distinguished Educator Award 2024



IRSD Distinguished Young  
Scholar Award 2024

# IRSD

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IRSD Distinguished Young Scholar Award 2024





## FACULTY PUBLICATIONS

Sr. No.	Author Name	Paper Title	Journal Title
1.	Ms. Amrapali K. Salve and Dr. Ms. K. C. Jondhale	An Accurate And Efficient Multi-Task Brain Tumor Detection with Segmented MRI Images using Auto- Metric Adolescent Neural Network, Vol , 2024, ISSN 1752914X, 17529131, Vol, Jan 2024. DOI: 10.1504/IJCVR.2024.10061 584	International Journal of Computational Vision and Robotics, Scopus Index Journal
2.	Ms. Amrapali K. Salve , Dr. Ms. K. C. Jondhale, Nagesh Kharat	Grade Based MRI Brain Tumor Detection and Segmentation Using Optimal Features Selection with ASFO	13th International Conference on Interdisciplinary Research for Sustainable Development 2024, New Delhi
3.	Dr. Ms. K. C. Jondhale, , Ms. Manjaramkar A. Manisha, Ms. A. K. Salve	Enhancing Stroke Prediction Accuracy: A Supervised Learning Approach with Random Over-Sampling	13th International Conference on Interdisciplinary Research for Sustainable Development 2024



### FDP/WORKSHOPS ATTENDED

Sr. No	Faculty Name	Course Name	Orgnized by	Date
1	Sayed Shoaib Anwar	Outcome based Education	IQAC, SNJB's KBJ CoE (Online 6 Days)	29 Mar-4 Apr. 2024
2	Ms. Mangalagiri Maithili			
3	Tuptewar D. J.			
4	Dr. M. R. Banwaskar			
5	Ms. Dalvi A.B			
6	Ms. Kanadkhedkar P. P			
7	Ms. A. K. Salve			
8	Ms. A. K. Salve	ETLP Using hands on ICT Tools	IQAC, SNJB's LSKBJ CoE (Online 6 Days)	22 -27 <sup>th</sup> Apr. 2024
9	Ms. Dalvi A.B			
10	Dr. K. P.	Digital Image Processing using AI/ML	SkillDzire and AICTE	3-30 Jun 2024
11	Paithane	Cyber Security		



## STUDENT CORNER

### Electronics Technocrats Association (ETA)

Beyond classroom, laboratory and academic experience, our student club ETA is a platform for holistic development of a students with opportunities to explore interests, groom hidden talents, meet and network with other students, interact with experts and to grow technically, professionally and personally. ETA is dedicated to fostering both technical and personal growth among students. Through a blend of technical workshops, seminars, hands-on projects, and competitions, ETA aims to enhance the engineering expertise of its members. In addition to technical development, the club places a strong emphasis on communication skills and teamwork. Regular events like group discussions, presentations, and collaborative challenges are organized to build leadership, creativity, and cooperation. ETA serves as a platform where students can explore emerging technologies, network with professionals, and apply classroom knowledge in real-world scenarios. By promoting a culture of innovation and learning, the club helps students transition into industry-ready technocrats.

#### Objectives of ETA:

To organize:

- Expert Lectures by Academicians, Alumni, industry experts
- Project Competitions, Debate Competitions, Quiz
- Poster presentation, sketches, painting competitions
- Workshops, seminars, webinars
- Career guidance sessions
- Social activities, Campus Connect activities

In order to plan and execute various activities, ETA Council is formed in each academic year. It consists of Vice-president, Secretary, Treasurer, coordinator, Event Head and board members. Depending on student interest and capability, the selection of ETA council members is done.



### ETA Council 2023-24

No.	Name	Class	Position
1	Shrutika Gundawar	Final year	Vice president
2	Shweta Suryawanshi	Final year	Secretary
3	Sanskruiti More	TY	Treasurer
4	Sanskar Kotalwar	TY	Coordinator
5	Shreya Zarkar	TY	Technical event Head
6	Vaishnav Sasane	TY	Board member
7	Avinash Rathod	TY	Board member
8	Rudrani Dachawar	TY	Board member
9	Nagesh Kharat	TY	Board member
10	Tegampalle Anjana	TY	Board member
11	Shruti Sahare	TY	Board member
12	Aditya Mhaisekar	SY	Board member
13	Vaishnavi Deshmukh	SY	Board member
14	Siddhi Deshpande	SY	Board member
15	Shravani Muli	SY	Board member

Ms. Mangal R. Banwaskar  
**ETA- Coordinator**

Dr. Kalpana P. Paithane  
**ETA - President**



**Mahatma Gandhi Mission's  
COLLEGE OF ENGINEERING, NANDED .**

Dept. of Electronics & Telecommunication.

**ETA COUNCIL 2023 - 2024**



Shrutika Gundawar  
{ Final Year B.Tech }

**Vice President**



Shweta Suryawanshi  
{ Final Year B.Tech }

**Secretary**



Sanskar Kotalwar  
{ Final Year B.Tech }

**Treasurer**



Shreya Zarkar  
{ Final Year B.Tech }

**Technical Event Head**



Sanskruti More  
{ TY }

**Co-ordinator**

**Board Members :-**



Vaishnav Sasane  
{ TY }



Avinash Rathod  
{ TY }



Rudrani Dachawar  
{ TY }



Nagesh Kharat  
{ TY }



Tegampalle Anjana  
{ TY }



Vaishnavi Deshmukh  
{ SY }



Aditya Mhaisekar  
{ SY }



Siddhi Deshpande  
{ SY }



Shravani Muli  
{ SY }



### Student Activities

No.	Activity	Date	Participants
1	e-waste Collection Drive	22/01/2024	All faculty and students
2	Maharashtra State Innovation Challenge District Level Winner felicitation	26/01/2024	Varad Jinturkar TY ECT
3	Energy Literacy Training Campaign	09/02/2024	All students
4	Social Activity: Visit to Suman Balgrih, Girls Orphanage, Nanded	10/02/2024	SY Girls
5	Alumni Interaction on Career Opportunities in <b>Electronics Engineering</b> by <b>Aditi Salave, Accenture, Pune</b> <b>Rudrali Yemewar, Entrepreneur</b>	17/02/2024	SY students
6	Poster Making Competition on the occasion of <b>Shivjayanti</b>	19/02/2024	
7	Expert Lecture on <b>Recent Trends in VLSI</b> by Mr. Shubham Shingade (Alumni: 2015 batch), Price Water House, US	20/02/2024	SY, TY students
8	Industry Visit to Devgiri Electronics Cluster & Marathwada AutoCluster, Chh. SambhajiNagar	24/02/2024	Faculty and TY Students
9	<b>National Science Day Celebration</b> Speeches and presentation by SY students & Expert Lecture by <b>Dr. D. S. Mantri</b> , Professor, Dept. of ECT, Sinhgad Institute of Technology, Lonavala (Online) Topic: Microcontroller Basics and applications	28/02/2024	SY, TY, B. Tech. Final students
10	<b>ISTE Student Chapter Activity:</b> Two day workshop on Machine Learning Concepts using Python programming conducted by TY (CSE) students: Ambarish Udgirkar, Krishna Suratwala and Tushar Gattewar	20-21/03/2024	SY students
11	<b>SparkIgnite Ideathon-2024</b>	22-23/03/2024	SY, TY Students
12	<b>Social Activity:</b> Visit to Malpani School for Deaf and Dumb Children, Nanded	24/03/2024	SY Students
13	Workshop on “How to start a Start-up”	24/04/2024	All students
14	National Technology Day Celebration	11/05/2024	All Students
15	Two days Workshop on “IoT” conducted by D. J. Tuptewar Sir	20-21 May 2024	TY ECT students



## Maharashtra State Innovation Challenge District Level Winner felicitation

Varad Jinturkar from TY (ECT) (and Shivam Lukalwar TY -IT) were declared as District level Winner for their Innovative Idea of **AI- Powered Personalized Learning Assistant**

He was felicitated by Mr. Abhijit Raut, District Collector, Nanded and Mr. Shrikrushna Kokate, Superintendent of Police, Nanded on 26<sup>th</sup> Jan 2024. Certificate and **Cheque of Rs. One lac** was given to him in the program held on Police Parade ground.



## Social Activity – I: Visit to Suman Balgrih (Girls Orphanage), Nanded

Social awareness is increasingly recognized as a crucial aspect of education for engineering students. It is essential for engineering students because it helps them develop the ethical, cultural, and interpersonal skills necessary to create positive societal impact through their work. By integrating social awareness into engineering education, students can become not only proficient technical professionals but also responsible global citizens. Keeping this in mind, ETA regularly organizes visits to Orphanages. Our students visited Suman Balgrih (Orphanage for girls) on 10/02/2024 and interacted with them, played games and distributed Til-gul, Chocolates to these girls.







## Industry Visit

One day Industrial visit to Deogiri Electronics cluster Pvt. Ltd. and Marathwada Auto cluster Pvt. Ltd Sambhajinagar was organized on 24th Feb. 2024 for T.Y Electronics & Telecommunication Engineering students. The staff members, Prof. D. J. Tuptewar, Prof. V. S. Jadhav, Dr. V. P. Kude, accompanied this industrial visit. Total 44 students of T.Y ECT were there.



Students watched CNC laser cutting machine that uses a focused, high-powered laser beam to mark, cut, or engrave a material to form custom shapes. Its unique design and operation make it highly accurate, especially when cutting intricate shapes and small holes.



Students watching different processes in the Industry

**It was a great experience and learning during this Industry Visit.** Students got practical understanding of concepts learned in the classroom and gained insights into industry practices, standards and regulations. We thank our Teachers for arranging this Industry Visit.

**Expert Lecture on Recent Trends in VLSI was delivered by Mr. Shubham Shingade**

**(Alumni: 2015 batch), Price Water House, US on 20/02/2024**

Newsletter Jan-June 2024, Dept. of ECT, MGMCOE, Nanded



## National Science Day Celebration

National Science Day is celebrated in India on 28th Feb. each year to mark the discovery of the Raman effect by Indian physicist Sir C. V. Raman on 28 February 1928. For his discovery, Sir C.V. Raman was awarded the Nobel Prize in Physics in 1930. On this occasion, students from SY ECT delivered speech on the life of Sir C. V. Raman and showed documentary on his life.

Online Expert Lecture by Dr. D. S. Mantri, Professor, Dept. of ECT, Sinhgad Institute of Technology, Lonavala was arranged on 28 Feb, 2024.

**Topic: Microcontroller Basics and applications**

### Workshop on "Machine Learning using Python Programming"

Students of TY CSE Mr. Ambarish Udgirkar, Mr. Tushar Gattthewar and Krishna Suratwala conducted two days workshop on Machine Learning using Python Programming for SY and TY ECT students on 20 and 21 Mar.2024. Hands-on practice on classification, regression Supervised and unsupervised learning using Python programming was done during the workshop. Total of 116 students attended this workshop.

**MGM's College of Engineering, Nanded**  
Department of Electronics and Telecommunication Engineering  
Under ISTE Student Chapter

Workshop on  
**Machine Learning using Python Programming**  
Date: 20<sup>th</sup> & 21<sup>th</sup> March 2024 Time: 10:30am to 05:30pm

**Resource Person**  
1. Mr. Ambarish Udgirkar  
2. Mr. Krishna Suratwala  
3. Mr. Tushar Gattthewar

The workshop will cover:

- Introduction to Machine Learning
- Hands on Practice using Python Programming
- Diffrent Python Libraries
- Practical Applications on data Sets
- Supervised Algorithm

Ms. A. K. Salve/ Ms. A. B. Dalvi  
Faculty Coordinator

Dr. Mrs.K.P. Paithane  
Head of ECT Dept.

Dr. Geeta S. Lathkar  
Director, MGMCOEN



Students attending the workshop on “Machine Learning using Python Programming”





## Social Activity- II Visit to Malpani School, Nanded

SY ECT students Shivam Barse, Yash Hakke, Piyush Andhale, Nachiket Jadhav, Vinayak Rajegore and Nagesh Dase visited Malpani School for Deaf and Dumb children. They distributed fruits and celebrated Holi festival with these children. Our students realized the problems faced by these children. However, they also came to know that the concentration level of these children is high as they don't get any distractions. Students thanked GOD for their healthy body and mind.



Students interacting with children from Malpani School



## Workshop on “How to Start a Start-up”

Beyond innovation, startups play a crucial role in driving economic growth and job creation. In this regards, one day workshop was organized by Institute’s **Innovation and Entrepreneurship Development Cell on 24 Apr. 2024**. It was conducted by ENSIN Entrepreneurship Startup and Innovation Forum, Pune. Institute signed MOU with ENSIN Forum, Pune.

Students got insights about How to start a start-up, its Legal & Ethical Steps and fundraising for start-ups in the workshop.

The resource persons for workshop were: i) Dr. S. P. Kallurkar, Entrepreneurship Educator & Advisory Member, ENSIN Forum, Pune.

ii) Mr. Snajay Jagtap, Director, Ecosystem Development, ENSIN Forum, Pune.

iii) Mr. Amit Padhy, Founder & CEO, Shipechimp Manufacturers Pvt. Ltd., Mumbai.



Workshop participants with Director Madam



MOU signed with ENSIN Forum

## National Technology Day Celebration

On May 11, 1998, India did three successful nuclear tests at the Pokhran Test Range. President Dr. A.P.J. Abdul Kalam led two more tests on May 13, making India officially part of the nuclear power club. On the same day, India’s Defence Research and Development Organisation tested its first indigenous aircraft, the Hansa-3, and the Trishul missile. The then Prime Minister Atal Bihari Vajpayee declared May 11 as National Technology Day.

To celebrate National Technology Day an expert talk by Industry persons **Mr. Pandurang Ranjalkar, Technical Director, Oracle, Mumbai** and **Mrs. Vrushali Neralkar, Senior Technology Architect, Accenture, Pune** was arranged on 11<sup>th</sup> May 2024 in Conference Hall.



Mr. Pandurang Ranjalkar, Technical Director, Oracle, Mumbai and Mrs. Vrushali Neralkar, Senior Technology Architect, Accenture, Pune guiding students Topic: Navigating the world of Information Technology.

### Workshop on “Internet of Things”

A workshop on IoT was conducted for TY ECT students on 20 and 21 May 2024. Mr. D. J. Tuptewar conducted this workshop.

**MGM's College of Engineering, Nanded**  
Department of Electronics & Telecommunication Engineering  
Electronics Technocrats Association (ETA)

**Presents**

**Two days workshop on**  
**"Introduction to Internet of Things**  
**& Application Design using**  
**Raspberry pi"**

**By**  
**Industry Expert**

**Mr. Rohan Pawar**  
Infocepts, Senior Executive Big Data Developer

**Date: 20 & 21 May, 2024**  
**Time: 10:30 AM - 5:30 PM**  
**Register Now!**

**Ms. Shrutika Gundawar (B. Tech ECT)**  
Ms. Gaikwad Rutuja (B. Tech ECT)  
Student Co-ordinator

**Dr. M. R. Banwaskar**  
Ms. M. V. Rao  
Faculty Co-ordinator

**Dr. Mrs. K. P. Palthane**  
Prof. & Head of ECT

**Dr. Geeta S. Lathkar**  
Director



## Placement Activity

Placement drive by Dhoot Automotives Pvt. Ltd. was conducted in the campus. Thirteen students of B. Tech. ECT were selected in this drive.

Hearty Congratulations to the selected students!!!

### Alumni Corner



Sonal Sarada

Certified Corporate Trainer and Free Lancer

I am a certified leader in corporate training with over 25 successful years of experience in conducting both classroom and virtual trainings. I'm an expert in industry-niche technologies and have helped businesses of all sizes over the world with everything from cost optimization to security assessment, implementing multiple projects along the way. I am thankful to Director Madam and Staff at MGMCoE, Nanded for motivating and supporting me.

