



ELECTRONICS and
Department of Electronics
and Telecommunication
TELECOMMUNICATION DEPARTMENT
NEWSLETTER

2024-2025

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Vision of E and Tc Department	Mission of E and Tc Department
<p>To be the Centre for Electronics and Telecommunication Engineering Supporting to the Multi-Disciplinary Problem Solving through Outcome and Practice based Environment and with Focus up on the Requirements of Digital India.</p>	<p>Department offers Diploma in Electronics and Telecommunication Engineering committed to M1.</p> <p>M1. To Provide Diploma Engineering Education and Skill Education for Manpower to the Industry and Society.</p> <p>M2. To inculcate entrepreneurship abilities.</p> <p>M3. To prepare life-long learners by creating the outcome and practice based learning environment.</p> <p>M4.To Develop Professionalism, Ethics, and Good Individual Citizen.</p>

Expert Lectures

Co-curricular Activities

Expert Lectures

Expert lecture titled *"VLSI Techniques"* by Shri. Rohit Jadhav, who is a Staff Logic Design Engineer at IBM Bangalore. The lecture was scheduled on 5th July 2024 and organized by Dr. V.P.Tayade, Sr. Lecturer in E & Tc



"VLSI Techniques"



Department Government Polytechnic Nashik in online mode. This Expert talk covers advanced topics in VLSI (Very-Large-Scale Integration), which is a critical area in semiconductor technology for designing and fabricating integrated circuits with millions of transistors. It could be a valuable opportunity for individuals in the field of electronics, computer engineering, and logic design.



Expert Lectures

Co-curricular Activities

Expert Lectures



The lecture was scheduled on 5th July 2024 for IIIRD Year E & Tc students, total 109 students were attended this expert and get benefited.

**Expert Lecture of III EL(FS/SS) on Labview software tool by Shri.Mihir Mujumdar ,
Entrepreneur and cofounder Mufront Tech nologies pvt.ltd,Ambad Nashik,on 1/10/2024**

The lecture was delivered by Shri. Mihir Mujumdar, an entrepreneur and co-founder of Mufront Technologies Pvt. Ltd., located in Ambad, Nashik. The topic of the lecture was focused on LabVIEW, which is a powerful system-design platform used for data acquisition, instrument control, and industrial automation.

“Labview software



The lecture was scheduled on 1/10/2024 for IIIRD Year E & Tc students, total 105 students were attended this expert and get benefited.

Expert Lectures

Co-curricular Activities

Expert Lectures



Expert Lecture of II EL(FS/SS) on “Implementation of AI Algorithm using Python” by Rashmi Mahajan, Assistant Professor, (School of E&Tc Engineering) MIT academy of Engineering, Alandi road Pune on 9/10/2024.

The lecture was scheduled on 9/10/2024 for IIIRD Year E & Tc students, total 137 students were attended this expert and get benefited.

Expert Lectures

Co-Curricular Activity

Expert Lectures

An expert lecture on the "**Role of Power Electronics**" was organized at TMW Nashik for the II EL (A/B) students. The session was delivered by Shri K. Shrinivas, Senior Manager at TMW Nashik and organized by Shri. S. S. Mahajan. The lecture aimed to provide students with an in-depth understanding of the significance of power electronics in various industries and applications.



During the session, Shri K. Shrinivas shared valuable insights into the role of power electronics in modern technologies, such as energy conversion, motor drives, renewable energy systems, and electric vehicles. The lecture also covered key concepts like voltage regulation, power conversion techniques, and the importance of efficiency and reliability in power electronics systems.

The expert speaker highlighted how power electronics is pivotal in ensuring the efficient and effective functioning of electrical systems, especially in the context of automation and the growing need for energy-efficient solutions. Students had the opportunity to interact with Shri K. Shrinivas, ask questions, and gain practical knowledge from his extensive industry experience. This event provided a valuable learning experience for the II EL students, helping them connect theoretical concepts with real-world applications in the field of power electronics.

Expert Lectures

Co-Curricular Activity

Expert Lectures

Expert Lecture for III EL (FS/SS) on **Industrial Automation** was conducted by Mr. P. Dhumal from Fox Solution Pvt. Ltd., Nashik, scheduled on January 6, 2025 and was organized by HOD Dr. P. V. Rathod in online mode.

This lecture focuses on the latest trends, technologies and practices in the field of **Industrial Automation**. Mr.P. Dhumal is working at Fox Solution Pvt. Ltd., Nashik He has discussed automation solutions, practical insights, case studies, and innovations related to automation in various industrial sectors.



This lecture covers following topics

Introduction to Industrial Automation ó Basics and fundamentals of automation in industries.

PLC and SCADA Systems ó Understanding how programmable logic controllers (PLC) and supervisory control and data acquisition (SCADA) systems work in automation.

Robotics and AI in Automation ó The integration of robotics and artificial intelligence for improving manufacturing processes.

Industry 4.0 ó The role of IoT, smart factories, and big data in transforming industries.

Control Systems ó Discussion of different types of control systems like DCS, PLC, etc.

Future Trends in Automation ó What to expect in terms of emerging technologies and market demands.

Expert Lectures

Co-Curricular Activity

Expert Lectures

"School Safety Program"

On 11 March 2025, a "School Safety Program" was organized for students by the **National Disaster Response Force (NDRF)** at Government Polytechnic, Nashik. The objective of the program was to provide the students with the necessary safety measures and life-saving information in emergency situations. In the program, a special camp was conducted mainly for the students (Ist and IInd Year) of Electronics and Telecommunication (ENTC) department. From NDRF team Insp Rahul Kumar Ranghuwansh, HC Sandeep Pawar, HC Sachin Bhosale, CT Aditya Katkar and CT Vijay Ghadge were conducted this program., Mrs P. S. Cheke, Mrs S.A.Waghulde, Ms. S. M. Solanki , Dr. M. V. Patil and Mr. M. D. Raut were co-ordinated this event.

Objectives of the program:

- 1) To teach students how to react in emergency situations.
- 2) To create awareness about emergency rescue operations and safety measures.
- 3) To explain to the students the skills and tools required for disaster management.
- 4) Encouraging students how they can maintain their safety in case of emergency.



"School Safety Program"



Co-Curricular Activity

Expert Lectures



"School Safety Program"



INDUSTRIAL VISIT

Co-Curricular Activity

Industrial Visit

Industrial Visit Dhoot Transmission Pvt.Ltd, Chakan,Pune.



Industrial visit of II EL A/B was organized to Dhoot transmission Pvt Ltd, Chakan Pune on 22/10/24. Dr. M.V.Patil , . Dr. J.G.Joshi , Dr. V.P.Tayade, Dr. P.U.Jain, Smt.M.M.Shinde, Smt.S.A.Waghulde ande Shri Tushar Kabade were co-ordinates students during industrial visit.

Industrial visit of II EL A/B to Dhoot transmission Pvt Ltd, Chakan Pune on 22/10/24

INDUSTRIAL VISIT

Co-Curricular Activity

Industrial Visits

Industrial Visit to TMW and IRIEEN Nashik.



On 18th January 2025, the students of the Department of Electronics & Telecommunication Engineering (II EL) embarked on an insightful industrial visit to TMW and IRIEEN in Nashik. This visit was meticulously organized by the esteemed faculty members Mr. S. S. Mahajan, Mr. V. S. Thakare, and Mr. D. B. Borude. The aim was to provide students with a first-hand experience of industrial operations and real-world applications of electrical engineering concepts.



Co-Curricular Activity

Industrial Visits

Industrial Visit to TMW and IRIEEN Nashik.



WORKSHOP

Co-Curricular Activity

WORKSHOP

IOT BASED WORKSHOP Organized by Automobile department for II EL A and II EL B students on 27/09/24



E - Yantra



The E-Yantra Laboratory initiative is run under the guidance of MSBTE, Mumbai, and IIT, Bombay. The program has successfully completed the training of the first batch of ten students of electronics, computers, information technology, automobile and mechanical departments in our organization.

On 27/09/2024, these successful students were honored by the Honorable Principal of the Institute. Certificate was provided by Dr. Garje Sir. Congratulations to all successful students.

"E – Yantra"



Teachers Day and Engineers Day Celebration 2024



E & Tc department celebrated Teacher's Day and Engineers Day on 19 September 2024 and 20 September 2024 on this event it is an honor and privilege that respected Principal Dr. G.V. Garje Sir was the chief guest.

Teachers Day and Engineers Day Celebration

Engineers
Day
Event



Debate Competition on the Occasion of Engineers Day 2025



Debate Competition

Debate Competition was held on the Occasion of Engineers Day 2025 on 20th Sep. 2025.



Engineers
Day
Event

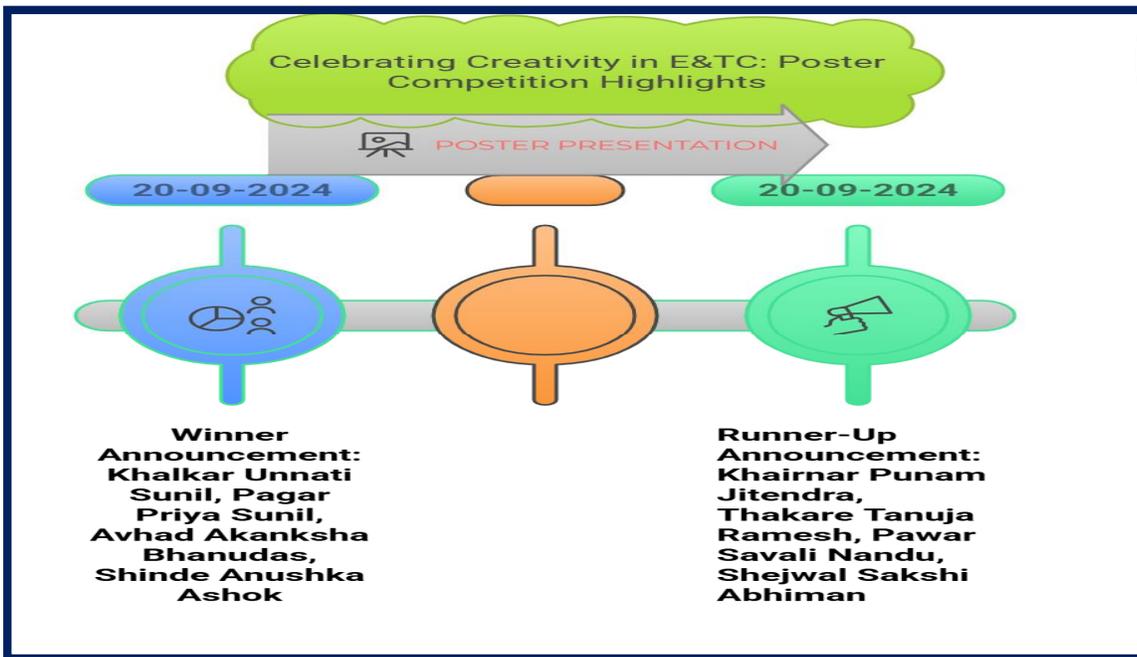
दि: २८/१०/२०२४ ते ३/११/२०२४ या कालावधीत दृ ता जनजागृती सताह साजरा करण्याया जमने
“टाचाराचे दुपरणाम” या षयावर online नबंध पथाआयोजित करण्यात आल



Poster Competition

Poster Competition on the Occasion of Engineers Day 2025

Engineers
Day
Event



Engineers
Day
Event

Top Performers in E&TC Technical Quiz

**Tiwari Sachin
Rakesh, Patil
Yash Sarjerao,
Khalkar
Dnyaneshwari
Avinash**

All tied for third
place in E&TC quiz.

Deore Darshan

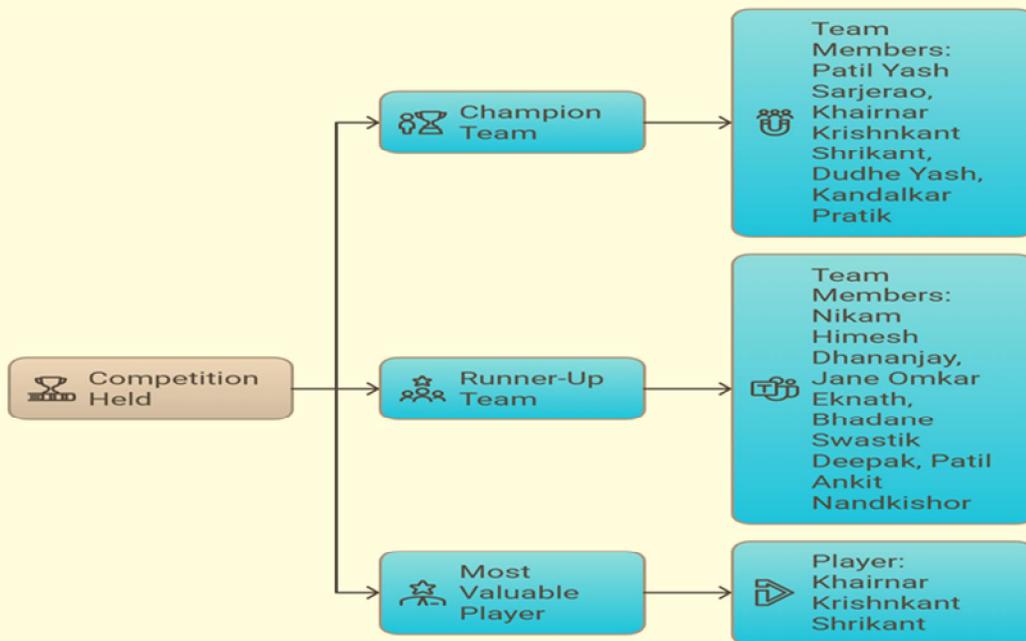
Achieved first place
in E&TC Technical
Quiz 2024.

**Pagar Sanika
Anand,
Khairnar Purva
Hemant**

Both secured
second place in
E&TC quiz.



Free Fire Competition Results



Treasure Hunt Competition at the **E&TC Department** on **20th September 2024**.

Event Details:

Event: Treasure Hunt Competition

Date: 20th September 2024

Department: E&TC Department

Coordination:

Teachers Coordinators:

- **Dr. M.V. Patil**
- **Dr. V.P. Tayade**

Students Coordinators:

- **Sachin Tiwari**
- **Nakul Jadhav**
- **Utkarsha Kolhe**
- **Gaurav Kulkarni**

Teams and Players:

Total Players: 165

Total Teams: 33

Players per Team: 5

Competition Rounds:

1st Round:

Total Teams Played: 16 teams

- **Winners from 1st Round:** 3 teams will advance to the final round.

2nd Round:

Total Teams Played: 17 teams

Winners from 2nd Round: 3 teams will also advance to the final round.

Final Round:

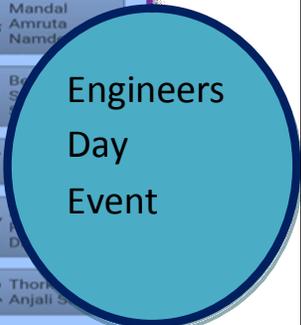
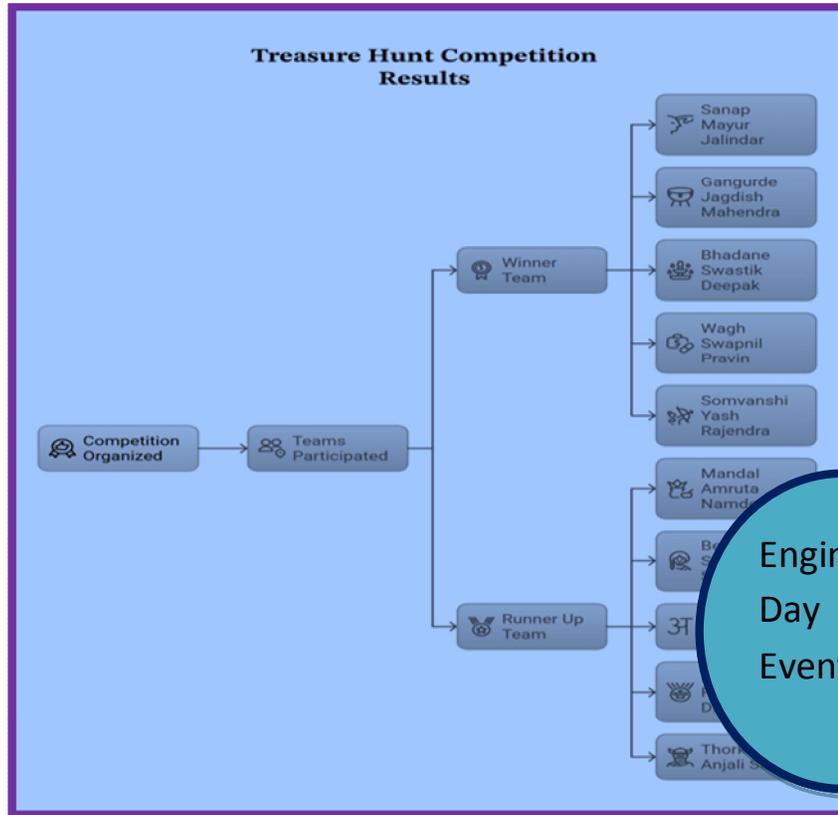
Total Teams in the Final

Round: 6 teams (3 winners from the 1st round + 3 winners from the 2nd round)

Final Outcome:

Winner: 1 team

Runner-up: 1 team



Treasure Hunt Winners and Volunteers

STUDENT ACHIEVEMENTS

Project titled "Design and Development of Polyester Based Wearable Microstrip Patch Antennas for ISM, Wi-Fi, WLAN Applications" got First Award at Hindustan Aeronautics Limited Ojhar Nashik under Project Competition. Project Group students of III EL are;

- Aayush Jain,
- Ritesh Mali
- Himesh Nikam
- Mayur Sanap



E & Tc students participated at Loknete Gopinathji Munde institute of Engg. and Research, Nashik-LoGMIEER Tech fest 2k25

Project competition E & Tc students wins runner up certificate for Project competition held at Loknete Gopinathji Munde institute of Engg. and Research, Nashik-LoGMIEER Tech fest 2k25

- Sanap Vaishnavi Subhash
- Pawar Pranali Santosh
- Aastha Ramdas Waje

**E & Tc students participated at Loknete Gopinathji Munde institute of Engg.and Research ,Nashik-
LoGMIEER Tech fest 2k25 LoGmieer Techfest For 2k25, for Technical Quiz Competition, Chavan
Ashlesha Dilip is Runner up student.**



Students from the Electronics & Telecommunication (E&TC) Department have actively participated in the **State-Level Competition ProsenSonic-2K25** in the **Poster Competition** held on 18th March 2025 at MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik.

The following students are the winners of this competition:

- **Ishwari N. Bodhai**
- **Goutami P. Jain**
- **Shraddha S. Khairnar**
- **Gargi P. Porje**
- **Yukta H. Garje**



For **GES FEST 6 2025** held at Gokhale Education Society's Sir Dr. M. S. Gosavi Polytechnic Institute Nashik Road, Nashik, for **POSTER COMPETITION** on 20th March 2025 following students are winners in I Position

- **Shraddha Khairnar**
- **Khushi Bagul**



SPORTS 2024-2025

E2 zone IEDSSA

Atheletics

IEDSSA E2 zone athletics competition! The event, brilliantly hosted by GGSP Polytechnic at the Meenatai Thakare stadium, saw our athletes shine brightly, securing a multitude of prizes across a range of events. Their dedication and talent were truly on display. Our impressive Runner up is **Harshal Gopal** for **triple jump**.

Patil Yash Sarjerao Shines as Winner in **Chess (IEDSSA)-Zonal** at Late Aanasahab Polytechnic Nit Nashik , on 05th February 2025, Nashik

Gopal Harshal Naval Shines as Runner in Kho-Kho (IEDSSA)

Cricket



Institute Level Cricket Winner team

Institute Level Cricket Winner team

- Akshay Bhaskar Pekhale
- Sachin Rakesh Tiwari
- Samarth Kiran Pawar
- Vaibhav Sukdeo Patil
- Vishal Sahebrao Jadhav
- Suraj Manohar Sonawane
- Sarthak Sanjay Ahire
- Yash Sandip Sonawane
- Swami Tushar Suryawanshi
- Vedant Tukaram Deore
- Manoj Sarjerao Rathod
- Varunkumar Rajendra Gangurde
- Shreyash Kamlakar Bhalerao
- Harshal Naval Gopal

Kabaddi

Institute-Level Kabaddi Winner Team 2024-2025: Electronics and Telecommunication Department

Institute Level Kabaddi Winner Team



- Swami Tushar Suryawanshi
- Vedant Tukaram Deore
- Sarthak Ganesh Sonawane
- Yash Santosh Khairnar
- Nishant Dinesh Hyalij

Volley Ball



Institute Level Volley Ball Winner Team

- Ujwal Raghunath Wani
- Omkar Shivaji Chavhan
- Sanket Rahul Mahajan
- Sarthak Sanjay Ahire
- Swami Tushar Suryawanshi
- Niraj Satish Rajput
- Bhavesh Manohar Patil
- Pranit Dipak Jadhav
- Samarth Vijay Mahale

Kho-Kho



Institute level Kho-Kho Runner Team

- Harshal Naval Gopal
- Vedant Sudam Avhad
- Yash Sanjay Dudhe
- Omkar Shivaji Chavan
- Ujwal Raghunath Wani
- Suraj Manohar Sonawane
- Krunal Vikas Patil
- Kunal Anant Bhangale
- Krushna Ashok Fatangale
- Darshan Shashikant Deore
- Swami Tushar Suryawanshi
- Pranit Dipak Jadhav

Ujwal Raghunath Wani Shines as Winner in **Badminton** at, Government Polytechnic Nashik .

Winner Team (E & Tc Department) :2025 (Girls)

Athletics-Running 200m & 400m

Diksha Jejurkar Shines as winner in Long Jump at Government Polytechnic Nashik, on 10th February 2025, Nashik

Diksha Jejurkar Shines as winner Athletics-Running 100m and 200m at Government Polytechnic Nashik, on 10th February 2025, Nashik

Pradhnya Shete Shines as winner in Athletics-Running 400 at Government Polytechnic Nashik, on 10th February 2025, Nashik

Diksha Jejurkar Shines as Runner-Up in Long Jump at Guru Govind Singh Polytechnic, Nashik

Diksha Jejurkar Shines Athletics - Running 200m & 400 m as Runner-Up in at Guru Govind Singh Polytechnic, Nashik

Srushti kedar Athletics-Running 100 m and 200m (IEDSSA) Runner-Up in at Guru Govind Singh Polytechnic, Nashik.

Kho-Kho

Institute Level Winner team(E & Tc) kho-kho



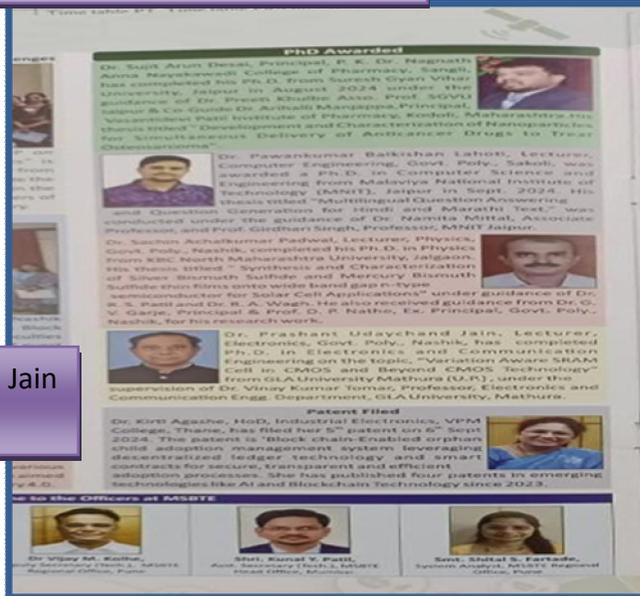
FACULTY ACHIVEMENT

Ph.D. degree has been awarded to **Mr. P. U. Jain**, Senior Lecturer E & Tc and In charge COE . Mr. Prashant Udaychand Jain, Lecturer in Electronics, Government Polytechnic, Nashik has successfully completed his Ph.D. in Electronics and Communication Engineering on the topic, "Variation Aware SRAM Cell in CMOS and Beyond CMOS Technology" from GLA University Mathura (U.P.) , under the supervision of Dr. Vinay Kumar Tomar, Professor, Electronics and communication Engineering Department, GLA University Mathura.



Celebration of Dr. P. U. Jain PHD Completion at E & Tc Department

PHD Completion News of Dr. P. U. Jain published in MSBTE Newsletter



FACULTY ACHIVEMENT

Ph.D. degree has been awarded to Mr. V. P. Tayade, Senior Lecturer E & Tc by SSSPU, Pune.

PHD Completion News of Dr.V. P. Tayade, published in MSBTE Newsletter.



All faculties have been completed successfully completed IGOT Courses.

FACULTY ACHIVEMENT

- Dr. J. G. Joshi invited by Antenna Test and Measurement Society (ATMS) to deliver a Expert Lecture (On line) on "Wearable Antennas and Wearable Filters" On 21/09/24. The poster details are attached here with including the Link. First time Polytechnic is going to represent in this Lecture Series.
- Dr. J. G. Joshi Published Research Paper titled "Wearable Bandpass Filter Using Coupled Microstrip Lines" In *Springer Link National Academy Science Letters. SCI and Q3 Journal having Impact Factor 1.2.



- Antenna Test and Measurement Society of India conferred Fellowship on Dr. Jayant G. Joshi.
- Dr. Jayant G. Joshi Worked as a Reviewer for Wiley International Journal of Applied Computational Intelligence and Soft Computing.
- Dr. Jayant G. Joshi, worked as a Session Chair of E and Tc Division under International Conference RTETM 2025 at GGSP Nashik.

Dr. Jayant G. Joshi delivered Expert Lecture on topic "Sensors in Industrial Automation" In MSBTE Sponsored One Week FDP on 6th January 2025 at Government Polytechnic Nashik.



FACULTY ACHIVEMENT

- Dr. Jayant G. Joshi published research paper titled "Dual Band Half Hexagonal Shape with additional slot wearable microstrip antenna" in Interaction Springer Nature Journal in February 2024.
- Fellowship has been conferred to Dr. Jayant G. Joshi by the Antenna Test and Measurement Society of India. Antenna Scientists of ISRO and DRDO are the Fellow of this Society.

