



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर  
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

Deemed University

(Declared under Distinct Category by Ministry of Education, Government of India)

NAAC ACCREDITED WITH A++ Grade

Gola Ka Mandir, Gwalior (M.P.)- 474005, INDIA

Ph.:+91-751-2409300, E-mail: [vicechancellor@mitsgwalior.in](mailto:vicechancellor@mitsgwalior.in), Website: [www.mitsgwalior.in](http://www.mitsgwalior.in)



MITS



## **Editorial Board:**

### **1. Faculty Members**

- Dr. Vandana Vikas Thakare  
(H.O.D.)
- Dr. Shubhi Kansal  
(Faculty Coordinator)

### **Contact:**

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DEPARTMENT OF ELECTRONICS ENGINEERING

E-NEWSLETTER

April- June2024



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## Department Vision

- To Prepare Globally Competent Electronics Engineers for Industrial Challenges and Societal needs.

## Department Mission

- To provide quality education through need based curriculum and effective teaching learning process.
- To imbibe professional ethics, leadership and entrepreneur skills with a passion for lifelong learning
- Strengthening of employability skills through multidisciplinary projects and internships
- To inculcate the spirit of innovation and research to serve the needs of the society and industry



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# Programme Educational Objectives (PEOs)

## PEO-1

**Graduates of the program will be successful global collaborators with thriving technical and professional careers in the field of Electronics Engineering.**

## PEO-2

**Graduates will have the ability to adapt latest technologies to contribute for sustainable development of society with effective research and entrepreneurship attitude.**

## PEO-3

**Graduates will have the teamwork, professional excellence, communication, and interpersonal skills to enable them to work effectively with interdisciplinary teams in Industry, Government, and Academia**





## Content

1. FDP/STC attended outside the Institute
2. Expert talk given outside the Institute
3. NPTEL/ATAL/ Internshala courses attended
4. Publications
5. Student Club Activities
6. Student Achievements



## **1.FDP/STC Attended(Outside/Inside) the Institute.**

1. Dr. Vandana Thakare and Mrs.Pooja Sahoo attend online FDP on "Academic and Research Paper Writing" from 24 June 24 to 28 June 24 from National Institute of Technical Teachers Training & Research Goa.
2. Dr. R.P Narwaria attended STC on " Hands-On Course in Machine Learning for Biomedical Signal Processing (MLBSP)." at ABV-IIITM Gwalior during 24-30 June 2024.
3. Mr. Rachit Jain attended one week Online Faculty Development Program(FDP) on "Recent Advancement on Microwave & mmWave Communication (RAMMC 2024)" from Apr 08-12, 2024.
4. Mr. Rachit Jain completed Short-Term Course 'NEP 2020 Orientation & Sensitization Programme' under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission organised by MMTTC, Central University of Haryana, Mahendergarh (India) from May 13-22, 2024.



## 2. Expert Talk given Outside the Institute

Dr. Hemant Chaubey given Expert Lecture on "Feature Extraction and Detection Techniques for the diagnosis of Brain Diseases" at MANIT Bhopal on 22 May 2024



### **3. NPTEL/ATAL/Coursera/Internshala attended by faculty.**

1. Dr. Karuna Markam successfully completed a 12-week NPTEL course on Signal and Systems in elite category from Jan-April 2024.
2. Dr. Hemant Chaubey successfully completed a 12-week NPTEL course on Signal and Systems in elite category from Jan-April 2024.
3. Mr. Rachit Jain successfully completed a 12-week NPTEL course on “Introduction to Internet of things from Jan-April 2024.
4. Mrs. Pooja Sahoo successfully completed a 12-week NPTEL course on Signal and Systems in elite category from Jan-April 2024.
5. Dr. Jenkin Suji successfully completed a 12-week NPTEL course on Signal and Systems in elite category from Jan-April 2024.





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**KARUNA MARKAM**  
for successfully completing the course



**Signals and Systems**

with a consolidated score of **76** %

Online Assignments	22.88/25	Proctored Exam	53.12/75
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Total number of candidates certified in this course: **174**

Prof. Tushar Jain  
Centre for Continuing Education  
IIT Mandi

Jan-Apr 2024  
(12 week course)

Prof. Andrew Thangaraj  
NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Mandi



Roll No: NPTEL24EE28S556700198

To verify the certificate



No. of credits recommended: 3 or 4



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**HEMANT CHOUBEY**  
for successfully completing the course

**Signals and Systems**

with a consolidated score of **73** %

Online Assignments	20.13/25	Proctored Exam	53.12/75
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Total number of candidates certified in this course: **174**

Prof. Tushar Jain  
Centre for Continuing Education  
IIT Mandi

Jan-Apr 2024  
(12 week course)

Prof. Andrew Thangaraj  
NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Mandi



Roll No: NPTEL24EE28S556700112

To verify the certificate



No. of credits recommended: 3 or 4



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**RACHIT JAIN**  
for successfully completing the course



**Introduction to Internet of Things**

with a consolidated score of **86** %

Online Assignments	20.22/25	Proctored Exam	66/75
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Total number of candidates certified in this course: **32882**

Prof. Haimanti Banerji  
Coordinator, NPTEL  
IIT Kharagpur

Jan-Apr 2024  
(12 week course)



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS35S656700381

To verify the certificate



No. of credits recommended: 3 or 4



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**POOJA SAHOO**  
for successfully completing the course



**Signals and Systems**

with a consolidated score of **86** %

Online Assignments	22.88/25	Proctored Exam	63/75
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Total number of candidates certified in this course: **174**

Prof. Tushar Jain  
Centre for Continuing Education  
IIT Mandi

Jan-Apr 2024  
(12 week course)

Prof. Andrew Thangaraj  
NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Mandi



Roll No: NPTEL24EE28S656700407

To verify the certificate



No. of credits recommended: 3 or 4





#### 4. Publication SCI/Scopus/UGC with DOI number.

1. **Laxmi Shrivastav**, Multi-objective optimized multi-path and multi-hop routing based on hybrid optimization algorithm in wireless sensor networks” Wireless Networks, March 2024. (SCI)Systems, ICSISCET 2023, Springer
2. **D. K. Parsediya and P. K. Singhal**, "Analysis of Rotman Lens Geometry for 5G Communication," 2024 IEEE Wireless Antenna and Microwave Symposium (WAMS), Visakhapatnam, India, 2024, pp. 1-4, doi: 10.1109/WAMS59642.2024.10528126.
3. **Rachit Jain**, Anushka Mishra, Somay Gurjar, Shreyam Rai, Utkarsh Kumar, **D. K. Parsediya** "Design and Analysis of Dual-band Patch Antenna for GPS and WiMAX." In 2023 IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT), 6-7th April 2024.
4. Dev Gupta and **Rachit Jain**, Chapter title “The Internet of Things in Healthcare: A Remote Patient Monitoring System” in Convergence of Block chain and Internet of Things in Healthcare, pp.68-86, April 2024 CRC Press.



6. **K. Markam** et. al. "Enhancing Axial Ratio Bandwidth of Dual Band Microstrip Patch Antenna for GSM Application," in IEEE Latin America Transactions, vol. 22, no. 4, pp. 352-360, April 2024, doi: 10.1109/TLA.2024.10472962.



## 5. S TUDENTS CLUB ACTIVITIES

1. An art competition “ Leafy canvas” was organized by Art club on 26<sup>th</sup> April 2024. Total 38 students participated in it.
2. An inter branch debate competition “ tark yudh” was organised by Hindi club on 19<sup>th</sup> April 2024.









## 7. Student's Achievement

1. Total 25 student's cleared the GATE examination conducted in Feb 2024.
2. Shruti Jain ET final year student secured 75 AIR in GATE 2024.
3. Aditya Verma EC Third year student secured 410 AIR in GATE 2024.