



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to R.G.P.V, Bhopal)



Editorial Board:

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- Dr. Vandana Vikas Thakare
HOD
- Dr. Shubhi Kansal

Student Members

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(EC-4th year)

Anmol Soni

(ET-4th year)

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DEPARTMENT OF ELECTRONICS ENGINEERING

NEWSLETTER

April-June 2023/Issue-2



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DEPARTMENT OF ELECTRONICS ENGINEERING



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

1. Dr. Laxmi Shrivastava successfully completed NPTEL- AICTE FDP on Electromagnetic Waves in Guided and Wireless Media

2. Dr. Vandana Vikas Thakare, Dr. Laxmi Shrivastava, Dr. Karuna Markam, Prof. Pooja Sahu successfully completed FDP on Advances in Signal Processing and Wireless Communications conducted by VIT-AP University on 12th May 2023.



2. Activities Organized (Workshop/Conference/FDP) at Institute Level.

1. Dr. Laxmi Shrivastava organized an online interactive workshop on “*Embedded, IoT, Robotics, Design, Simulation and rapid Prototyping*” by Cyber motion Technologies Pvt. Ltd., Hyderabad on **13 April 2023**.
2. Dr. Sushmita Chaudhari and Dr. Rahul Dubey organized a webinar on *Awareness about female hygiene, design and development of biodegradable materials for products* on **21 April 2023**. Dr. Illa Mani Pujitha from NIT Tiruchirappalli, India delivered the lecture.
3. An Institute Level activity “*Webizards*” was organized on **27 May 2023** together with IETE student’s Forum of MITS, Gwalior.
4. An Institute Level activity “*Beyond Software Engineering*” was organized on **24 June 2023** together with IETE student’s Forum of MITS, Gwalior.

Meeting URL: <https://meet.google.com/puo-wodk-pqg>

Mani Pujtha Ila is presenting

The health of nations
is more important than
the wealth of nations

4:39 PM | puo-wodk-pqg

Meeting URL: <https://meet.google.com/puo-wodk-pqg>

Mani Pujtha Ila is presenting

FEMENINE HYGIENE PRODUCTS

| Components | |
|--|--|
| <ul style="list-style-type: none"> ▶ Fiber matrix like rayon, viscose fibers wood pulp fibers which are in micro level ▶ Phthalates for smooth feel and finish ▶ Synthetics and Plastics ▶ Chlorine bleaching to make it appear white ▶ Super Absorbent Polymers for increasing the absorbency ▶ Dyes for coloring purposes | |

4:46 PM | puo-wodk-pqg



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

1. Dr. R.P Narwaria successfully completed 12 week NPTEL course on Digital Electronic Circuits.
2. Prof. D.K. Parsediya successfully completed 12 week NPTEL course on Digital Electronic Circuits.
3. Dr. Shubhi Kansal successfully completed 6 weeks Internshala Training on Data Science.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
RAVINDRA PRATAP NARWARIA
for successfully completing the course

Digital Electronic Circuits

with a consolidated score of **49** %

| | | | |
|--------------------|----------|----------------|---------|
| Online Assignments | 11.41/25 | Proctored Exam | 37.5/75 |
|--------------------|----------|----------------|---------|

Total number of candidates certified in this course: **245**

Jan-Apr 2023
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23EE02544651040

To validate the certificate

No. of credits recommended: 3 or 4



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to
LAXMI SHRIVASTAVA
for successfully completing the course

Electromagnetic Waves in Guided and Wireless Media

with a consolidated score of **58** %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Mar 2023)

Roll No: NPTEL23EE02544651039

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses. F.No. AICTE / RFD / FDP through MOOCs / 2017-18



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DEEP KISHORE PARSEDIYA
for successfully completing the course

Digital Electronic Circuits

with a consolidated score of **47** %

| | | | |
|--------------------|----------|----------------|----------|
| Online Assignments | 13.13/25 | Proctored Exam | 33.68/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **245**

Jan-Apr 2023
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23EE02533680176

To validate the certificate

No. of credits recommended: 3 or 4

INTERSHALA TRAINING

Certificate of Training

Shubhi Kansal

from MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, BIALKOR has successfully completed a 6-week online training on Data Science. The training consisted of Introduction to Data Science, Python for Data Science, Understanding the Statistics for Data Science, Predictive Modeling and Basics of Machine Learning, and The Final Project modules.

In the final assessment, Shubhi scored 82% marks.
We wish Shubhi all the best for future endeavours.

Sarvesh Agarwal
FOUNDER & CEO, INTERSHALA

Date of certification: 2023-09-16

Certificate No.: IITR202306

For certificate authentication, please visit <https://training.intershala.com/web/certificate>



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

1. **Karuna Markam** et. al. “Effects of Physical and Psychological Stress on Cardiac Function a Brain Activity: An ECG-EEG Correlation Study” Eur.Chem. Bull. 2023, vol. 12 (Special Issue 7), 4879-4893 Scopus Indexed.
2. Navdeep Shakya, **Rahul Dubey, Laxmi Shrivastava**, “Voting Classifier based Model for Mental Stress Detection and Classification Using EEG Signal”, European Chemical Bulletin, Vol.12(Special Issue 4), pp.3600-3609, 2023. (SCOPUS indexed)
3. Rachit Jain, **P.K Singhal, VandanaVikasThakare**,” An Investigation on Unique Graphene-based THzAntenna” ISBN: 978-3-031-28942-2 Springer Nature Switzerland,2023. Pp. 163-180. Scopus
4. An Inverted S-Shaped Microstrip Antenna for 5G Millimeter-wave Applications Jain, R., Mishra, D.,**Singhal, P.K., Thakare, V.V.** Proceedings - th eIEEE International Conference on Communication Systems and Network Technologies, CSNT , , pp. – 105-108 Scopus



5. Student Club Activities Organized.

1. A workshop on Drone was organized by Robotics club on 6 April 2023. Total 21 students successfully completed this workshop.
2. A ROBO Quizeria was organized by Robotics club on 25 April 2023 in online mode. Total 89 students participated in it.
3. A Photo exhibition was organized by Photography club on 23 June 2023.
4. A National level “ CHIMERAX” online quiz competition was organized by Robotics club on 8 April 2023 together with ISTE club MANIT Bhopal.



Student Club Activities Organized Pics.



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CHOMERAX
CENTRAL INDIA'S LARGEST QUIZ FEST

REGISTRATION OPEN

1st & 2nd Round
31st March
2023

Prize Money

- 1st Position - ₹15,000
- 2nd Position - ₹10,000
- 3rd Position - ₹5,000

*Participation Certificate for all

SCAN ME

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6. Departmental Activities.

1. An Industrial Visit at BSNL, Gwalior was organized on 20 May 2023. Dr. Deepak Batham & Dr. Hemant Choubey coordinated the visit.
2. A webinar on Drone Engineering was organized on 14 May 2023.
3. Three new faculty joined in the department: Prof. Prateek Bhadauria, Prof. Rachit Jain and Dr. R. Jenkin Suji.



6. Departmental Activities.

