



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to
R.G.P.V, Bhopal)



**Editorial Board:
Faculty Members**

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HOD
- Dr.Hemant Choubey
- Dr.Shubhi Kansal

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DEPARTMENT OF ELECTRONICS ENGINEERING

NEWSLETTER

Oct-Dec2022/Issue-4



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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- 1. FDP/STC Attended(Outside/Inside) the Institute.**
- 2. Expert Talk Given Outside the Institute**
- 3. NPTEL/ATAL/Coursera/Internshala attended by faculty.**
- 4. Publication SCI/Scopus/UGC with DOI number.**
- 5. Student Club Activities Organized.**
- 6. Departmental Activities.**
- 7. Departmental Achievements.**

DEPARTMENT OF ELECTRONICS ENGINEERING



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

- 1. Dr. Laxmi Shrivastava, Dr. Karuna Markam, Dr. Vandana Vikas Thakare, Prof. Pooja Sahu and Dr. Sushmita Chaudhari attended STPDP 'Implementation of NEP2020 for University and College Teachers' held from 07-15 October, 2022.*
- 2. Dr. Laxmi Shrivastava, Dr. Karuna Markam and Prof. Pooja Sahu attended online STTP on "TRAINING OF TRAINERS (TOT) FOR TEACHER EDUCATORS" during 05-12-2022 to 09-12-2022 conducted by NITTTR, Bhopal.*
- 3. Dr. R.P. Narwaria attended FDP on "Optimization for Engineering Problems with MATLAB" from 05/12/2022 to 09/12/2022 organized by Applied Science Department, NITTTR, Chandigarh*



2. Expert Talk Given Outside the Institute .

1. Dr. Vikas Mahor chaired the session at Third International Conference on “Communication, Networks & Computing, CNC-2022 at ITM University Gwalior



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

1. Dr. Vikas Mahor Successfully completed 4 Weeks NPTEL Course in Elite category.
2. Dr. Shubhi kansal Successfully completed 4 Weeks NPTEL Course in Elite category.
3. Dr. Rahul Dubey Successfully completed 4 Weeks NPTEL Course in Elite category.
4. Dr. Sushmita Chaudhari Successfully completed 4 Weeks NPTEL Course in Elite category.
5. Dr. Varun Sharma completed 4 Weeks NPTEL Course in Elite category.
6. Dr. Karuna Markam Successfully completed 12 Weeks NPTEL Course in Elite category.
7. Prof. Pooja Sahu Successfully completed 12 Weeks NPTEL Course in Elite category.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR VIKAS MAHOR

for successfully completing the course



Python for Data Science

with a consolidated score of **78** %

Online Assignments	21.67/25	Programming Assignment	21.75/25	Proctored Exam	34.17/50
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Total number of candidates certified in this course: 3991

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2022
(4 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL22C574523980705

To validate the certificate



No. of credits recommended: 1 or 2



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SHUBHI KANSAL

for successfully completing the course

Python for Data Science

with a consolidated score of **72** %

Online Assignments	22/25	Programming Assignment	21.75/25	Proctored Exam	28.5/50
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Total number of candidates certified in this course: 3991

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2022
(4 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL22C574523980705

To validate the certificate



No. of credits recommended: 1 or 2



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KARUNA MARKAM

for successfully completing the course

Digital Circuits

with a consolidated score of **60** %

Online Assignments	22.91/25	Proctored Exam	37/75
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Total number of candidates certified in this course: 1232

Prof. Debjani Chakraborty

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Jul-Oct 2022
(12 week course)



Indian Institute of Technology Kharagpur



Roll No: NPTEL22EE110533620040

To validate 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

Digital Circuits

with a consolidated score of **66** %

Online Assignments	22.69/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: 1232

Jul-Oct 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22EE110533620143

To validate the certificate



No. of credits recommended: 3 or 4



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

1. Venugopal, J., **Dubey, R., Mahor, V.**, Ramkumar, G.(2022). Analysis and performance enhancement of newly designed solar based heat pump for water heating application. Energy Reports, 8, Nov 2022, 302-312.
2. Wang, Baojun, Yulan Lv, Jyoti Bhola, **Vikas Mahor**, Ranjeet Yadav, and Karthikeyan Kaliyaperumal. "Vibration compensation for railway track displacement monitoring system using biomedical image processing concept." The Journal of Engineering 2022, no. 11 (2022): 1076-1085.
3. Ojha, Shailendra Singh, **P.K. Singhal and Vandana Vikas Thakare**, “ Dual–band rectenna system for biomedical wireless applications.” Measurement: Sensors 24(2022)
4. Ojha, Shailendra Singh, **P.K. Singhal and Vandana Vikas Thakare**, “Triple wideband antenna for RF energy harvesting” International conference CNC 2022.



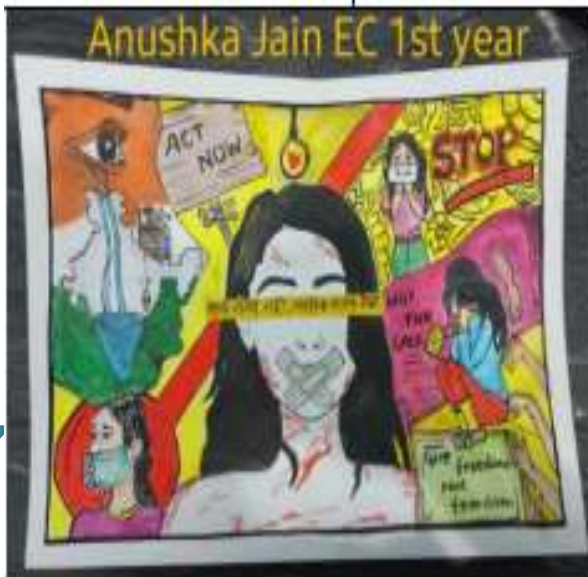
5. Student Club Activities Organized.

1. Diya making, craft and decoration was organized by Art club on 15th October 2022.
2. Robotics club organized quizzes on Children's Day 14th November 2022.
3. IETE Student's forum organized 'Codathon' on 1 October 2022. Total 115 students participated in it. Pratyanch Dongre stood on 1st position.
4. IETE Student's forum organized 'ETHIX- Quiz competition' on 9 October 2022. Total 263 students participated in it. Jaydeep Sitole stood on 1st position.
5. IETE Student's forum organized "Awareness Campaign" on 18th and 19th October 2022. All the participants were given certificates.
6. IETE Student's forum organized "Workshop on Web Development" on 25 Dec 2022. Total 51 students participated in it



6. Departmental Activities.

1. First Year Orientation Programme was organized from on 5th and 6th November 2022.
2. A poster making competition was organized on 10th Dec 2022 on the topic “ Violence against Women”.





7. Departmental Achievements.

1. Dr. Vandana Vikas Thakare took the charge of HOD from 1st January 2023.
2. Yash Agarwal from EC secured 1st position in the 5th sem with 9.13 CGPA.
3. Divyansh Gour from ET secured 1st position in the 5th sem with 8.98 CGPA.
4. Naman Agarwal from EC secured 1st position in the 3rd sem with 9.09 CGPA.