



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE



Editorial Board:

Faculty Members :

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

Student Members :

- Ratnesh Sagar (ET-4th year)

Contact:
electronicsnewsletter@gmail.com

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING
E-NEWSLETTER

July - September 2025



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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.

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FDP/STC attended (Outside) the Institute

Dr. Himanshu Singh

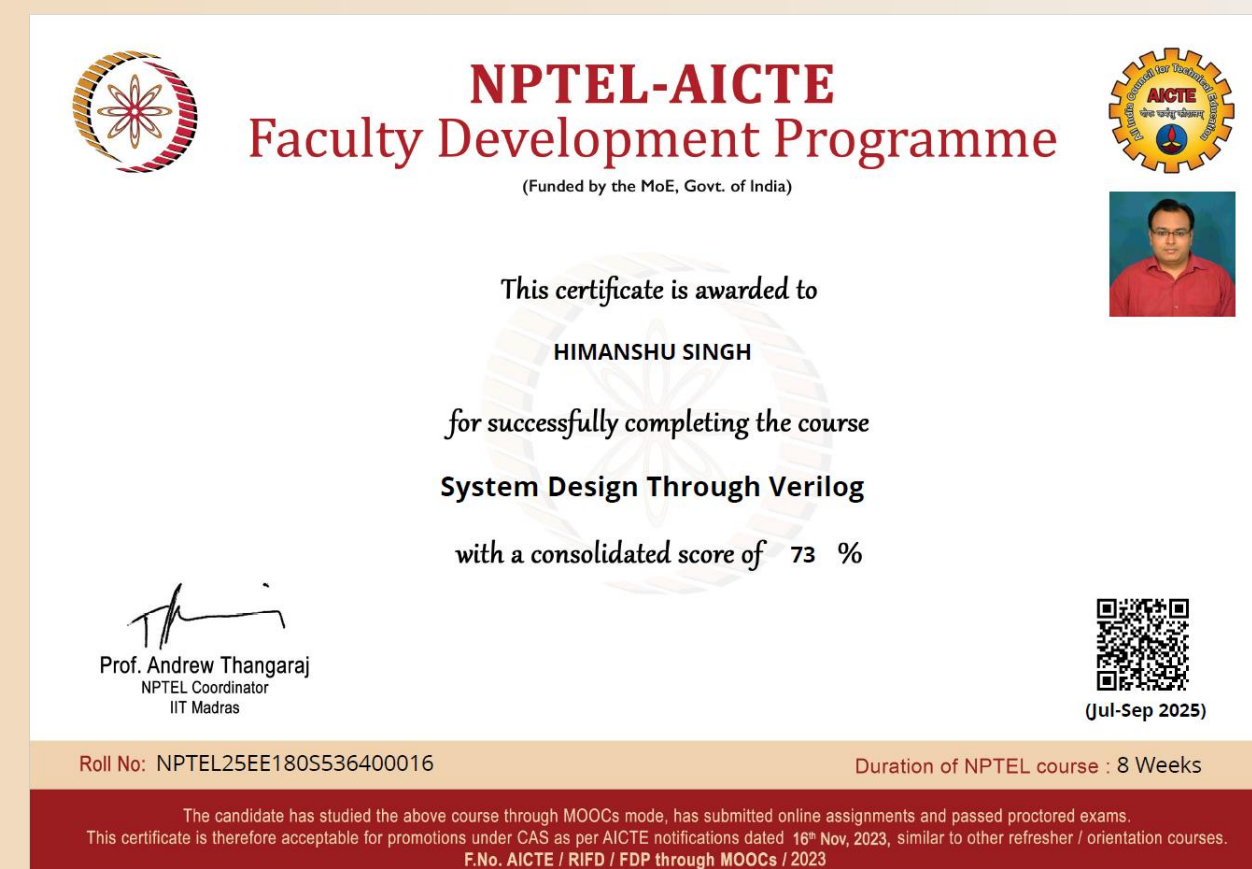
1. Dr. Himanshu Singh has successfully completed a 40-hour Online Faculty Development Programme titled “From Transformation to Protection: Mastering Cybersecurity Challenges in the Digital Era”, organized by the Electronics & ICT Academy, NIT Warangal, in association with IIIT Kottayam, and sponsored by the Ministry of Electronics and Information Technology (MeitY), Government of India, held from 5th July to 14th July 2025.
2. Dr. Himanshu Singh has successfully completed 8 Week Online Faculty Development Programme titled “System Design Through Verilog”, organized through MOOCs by NPTEL in association with AICTE, held during July-Sep 2025.



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FDP/STC attended (Outside) the Institute

Dr. Shubhi Kansal

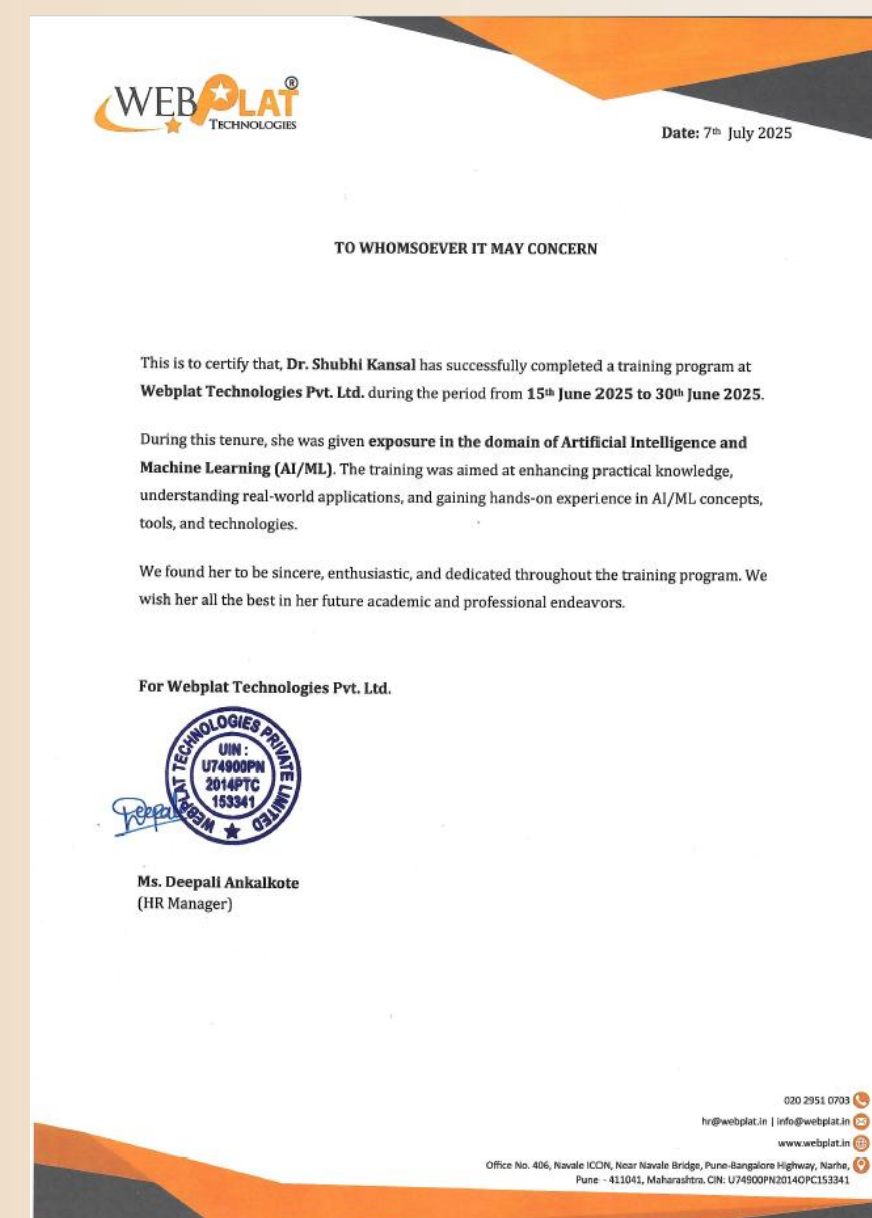
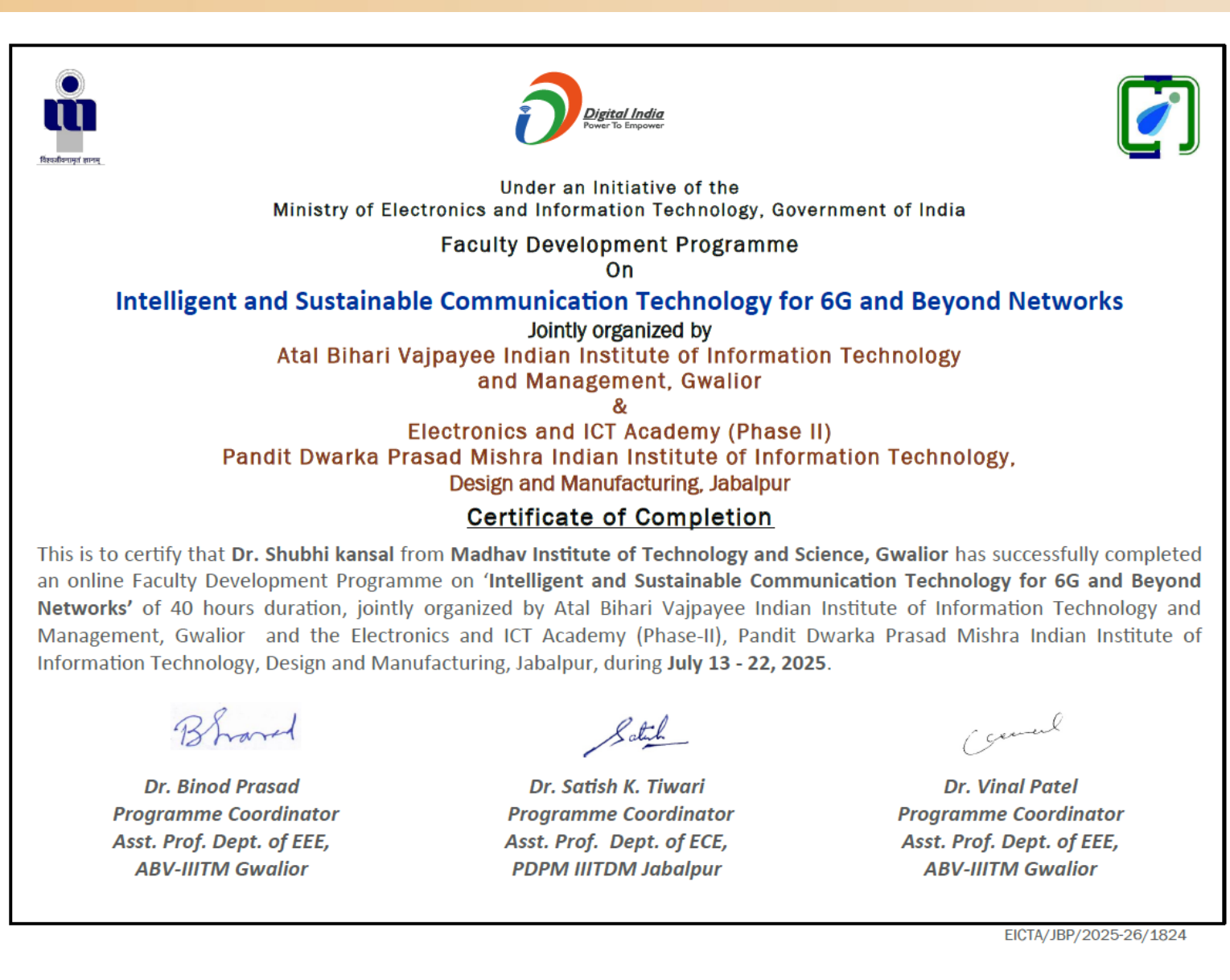
1. Dr. Shubhi Kansal has successfully completed an online Faculty Development Programme on 'Intelligent and Sustainable Communication Technology for 6G and Beyond Networks' of 40 hours duration, jointly organized by Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior and the Electronics and ICT Academy (Phase-II), Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, during July 13 - 22, 2025.
2. Dr. Shubhi Kansal has successfully completed a training program at Webplat Technologies Pvt. Ltd. during the period from 15th June 2025 to 30th June 2025. During this tenure, she was given exposure in the domain of Artificial Intelligence and Machine Learning (AI/ML). The training was aimed at enhancing practical knowledge, understanding real-world applications, and gaining hands-on experience in AI/ML concepts, tools, and technologies.



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FDP/STC attended (Outside) the Institute





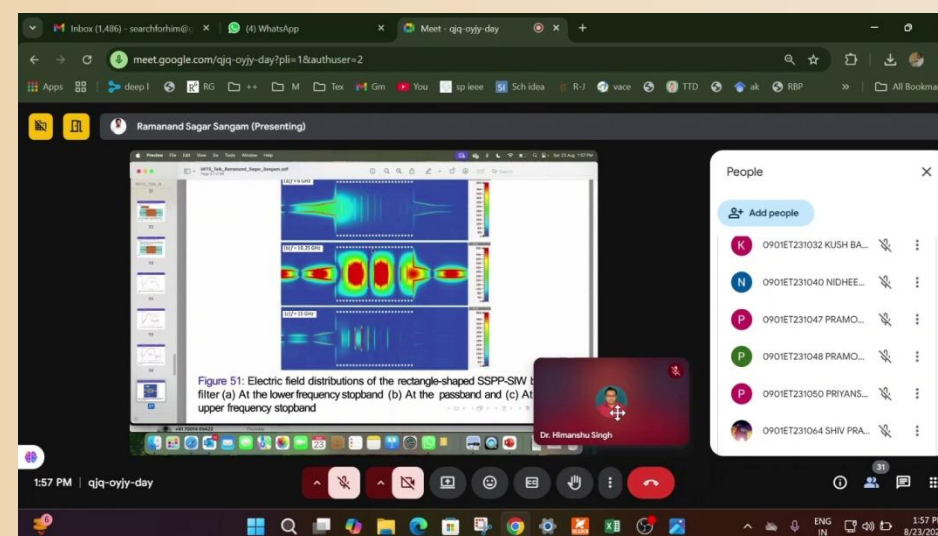
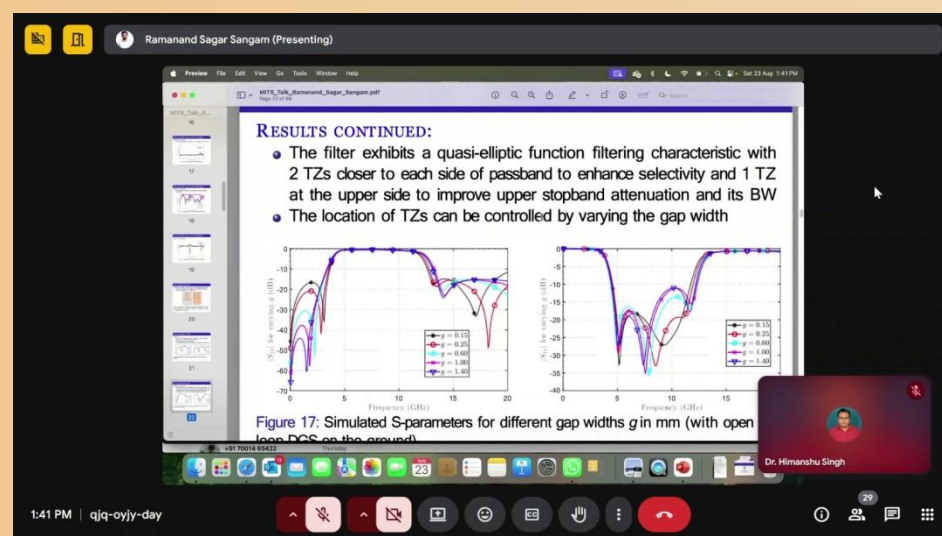
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Expert Talk organized at Institute Level

Dr. Himanshu Singh

1. Dr. Himanshu Singh has organized an IETE-sponsored Expert Talk by Dr. Ramanand Sagar Sangam, Assistant Professor, Department of Electronics and Telecommunication Engineering, IEST Shibpur, on “Design and Analysis of Microwave Devices for 5G & Beyond Wireless Communications” at Madhav Institute of Technology & Science (MITS), Gwalior, on August 23, 2025.



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Department of Electronics & Telecommunication Engineering
&
IETE Bhopal Centre
Presents

Expert Talk
on
Design and Analysis of Microwave
Devices for 5G & Beyond
Wireless Communications

Dr. Ramanand Sagar Sangam
Assistant Professor, Department of
Electronics & Telecommunication Engineering
IEST Shibpur

Dr. Ramanand Sagar Sangam received his Ph.D. in RF & Microwave Engineering from IIT Guwahati. His research focuses on RF, microwave, millimeter-wave, and terahertz components, with a special emphasis on the design of filters and passive devices using tapered lines, spoof surface plasmon polaritons (SSPP), and metamaterial-inspired structures. He has worked on microstrip and substrate integrated waveguide (SIW) technologies for various wireless communication bands, including UWB, ISM, X-band, and V-band.

He holds an M.Tech in Microwaves from Burdwan University, during which he worked on high-frequency active and passive circuits. As part of his M.Tech thesis, he completed a one-year research project on PCE-gun for plasma-assisted microwave sources at CSIR-CEERI, Pilani.

Currently, he is an Assistant Professor at IEST Shibpur. Prior to this, he served as a faculty member at Amrita Vishwa Vidyapeetham, Coimbatore, and as a Temporary Faculty at NIT Karnataka, Surathkal.

Dr. Sangam has published over ten research papers in reputed international journals and conferences. He regularly reviews manuscripts for journals including IEEE Microwave and Wireless Components Letters, IEEE Open Journal of Antennas and Propagation, IET Microwaves, Antennas & Propagation, AEU – International Journal of Electronics and Communications, and Physical Communication. He has also been invited as a guest speaker for academic programs, such as an FDP at VIT Vellore.

Beyond academics, he actively volunteers in social and educational initiatives and has a deep interest in spirituality.

**SATURDAY
23 AUGUST 2025**

01:00 PM

Online Mode

E-Certificates

REGISTER NOW

Faculty Coordinator: Dr. Himanshu Singh : 9424072768
Student Coordinator: Akshra Shivhare : 7224867686
Medhavi Agrawal : 6299317545

Dr. Vandana Vikas Thakare
Head, ETE Department

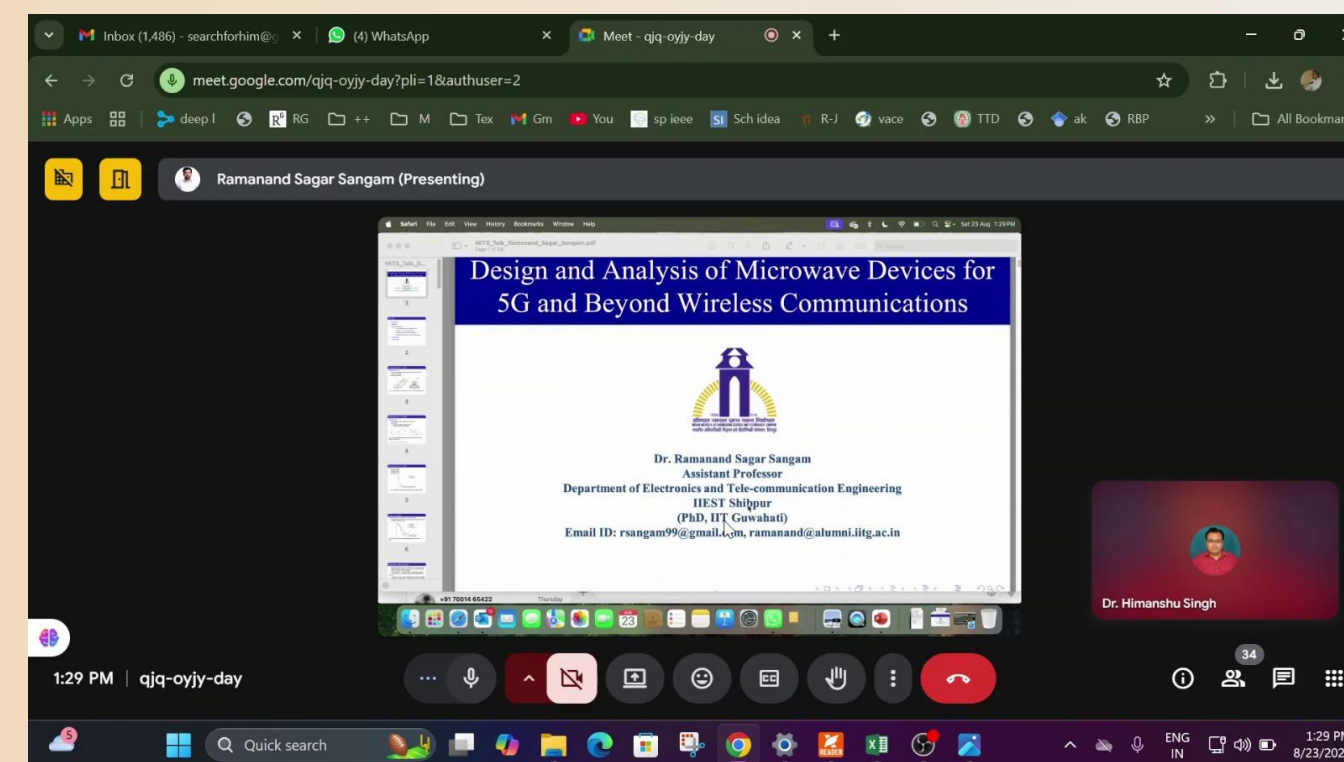
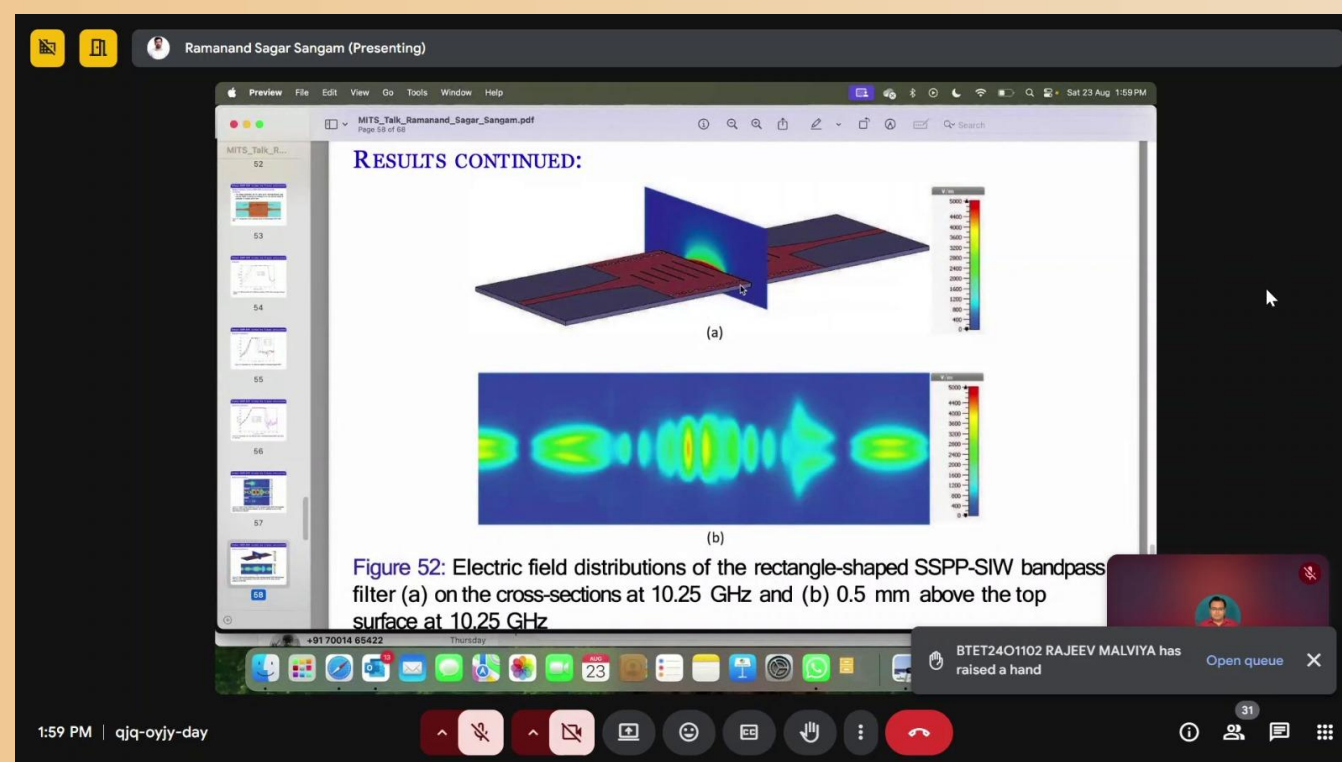
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Expert Talk organized at Institute Level





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NPTEL/ATAL/Internshala courses attended

Dr. Himanshu Singh

1. System Design Through Verilog



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to
HIMANSHU SINGH
for successfully completing the course
System Design Through Verilog
with a consolidated score of **73** %

Online Assignments	24/25	Proctored Exam	48.98/75
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Total number of candidates certified in this course: 2095

Jul-Sep 2025
(8 week course)


Dr. Salil Kashyap
Coordinator, Centre for Educational Technology,
IIT Guwahati





Indian Institute of Technology Guwahati



FREE ONLINE EDUCATION
swayam
विश्वविद्यालय, उन्नत भारत

Roll No: NPTEL25EE180S536400016

To verify the certificate 

No. of credits recommended: 2 or 3

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Publications SCI/Scopus/UGC with DOI Number

Dr. Vandana Vikas Thakare

1. Jain, R., Ramya, R., Thakare, V.V. et al. Design and analysis of antenna through machine learning for next-generation IoT system. Discov Internet Things 5, 38 (2025). <https://doi.org/10.1007/s43926-025-00126-4>
2. Jain, R., Thakare, V.V. & Singhal, P.K. Design and analysis of UWB antenna using machine learning for next-generation communications. Cluster Comput 28, 338 (2025). <https://doi.org/10.1007/s10586-024-05008-y>

Dr. Himanshu Singh

1. H. Gupta, H. Singh and A. Kumar, "RAOMIFD: RPi Assisted Optimal Mode-Based Image-Denoising Framework Using Diffusion-Filter," in IEEE Transactions on Consumer Electronics, vol. 71, no. 2, pp. 2918-2929, May 2025, doi: 10.1109/TCE.2025.3546809.

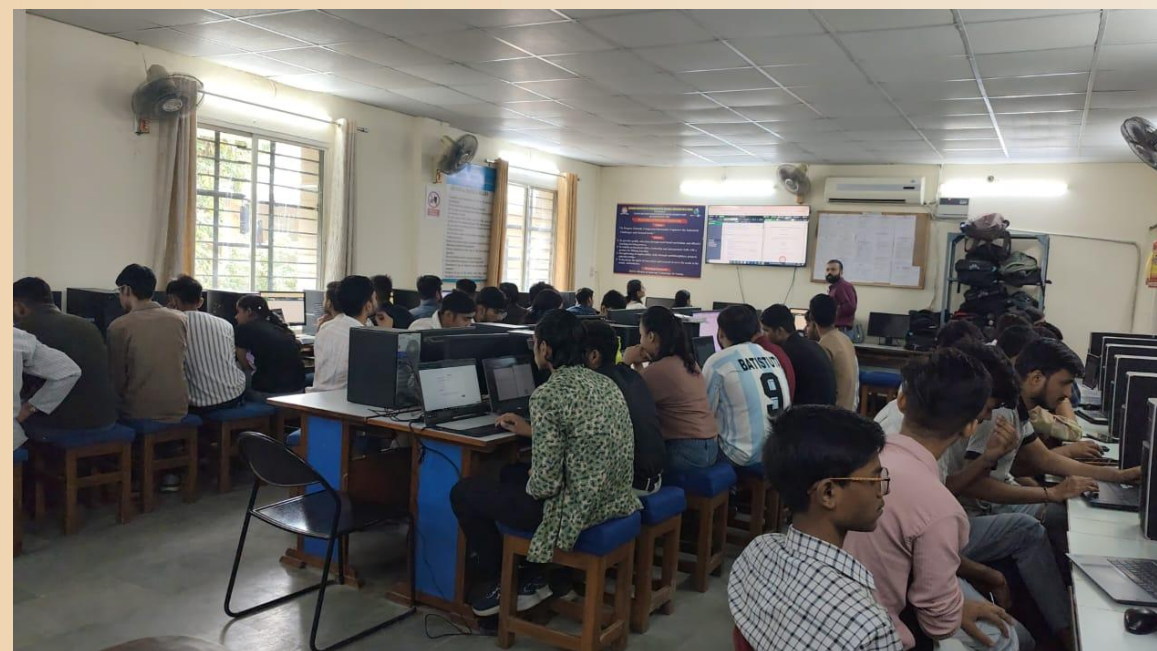


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Departmental/Student Club Activities

1. Dr. Varun Sharma, Dr. Deepak Batham & Dr. Himanshu Singh organized a Workshop on “Report Writing Using LaTeX”, on August 23, 2025.



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Department of Electronics and Telecommunication Engineering
&
IETE Bhopal Centre
Presents

**A WORKSHOP ON
REPORT WRITING
USING LATEX**

 IETE Bhopal Centre
Presents



 **SATURDAY**
23 August 2025

 **11:00 AM - 1:00 PM**
ET Computer Lab

 **NO REGISTRATION FEE**



REGISTER NOW

For More Info: 

Dr. Varun Sharma : 9981088747
Dr. Deepak Batham : 9755395903
Dr. Himanshu Singh : 9424072768

Dr. Vandana Vikas Thakare
Head, ETE Department

Student Coordinators : Nihari Shrivastava & Medhavi Agrawal

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Departmental/Student Club Activities

2. The induction programme was conducted for first year students on 18-19-20 August.



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Departmental/Student Club Activities

3. Mandatory workshop was conducted for first and second year on 13 September, 20 September and 27 September.



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Departmental/Student Club Activities

4. Rashtraay – Street Play Society of MITS Gwalior Triumphs at Tooryanad and Theatrix
- Rashtraay, the Street Play Society of MITS Gwalior, brought double glory to the institute this season with remarkable performances at two premier inter-college events.
- The team clinched the **1st position** at **Theatrix** during INFOTSAV 2025, organized by **ABV-IIITM Gwalior**, and also secured the **3rd position** at **Tooryanad** 2025 hosted by **MANIT Bhopal**.
- Representing the Department of Electronics and Telecommunication Engineering, the participating members were:
- Second Year: Anand Raj Tripathi, Ravikant Tripathi, Nayan Dwivedi
- Third Year: Abhay Singh Sikarwar, Komal Bansal, Jagriti Gupta
- Their consistent success reflects the dedication, teamwork, and creative excellence that define Rashtraay's mission—using the power of theatre to inspire awareness and social change.



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Departmental/Student Club Activities



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Departmental/Student Club Activities

5. Electronics Club, MITS – Electronics Club in Collaboration with UNSTOP has organized their yearly flagship event “ZENITH’25” in which over 170+ students has participated. This event has been organized on 20-21 September 2025 in which total 5 rounds has been played by the participants.





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Departmental/Student Club Activities



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Departmental/Student Club Activities

6. Hindi Samiti organized speech competition at inter University level on 6th September 2025.



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Student Achievements

1. Akshat Yadav, student of Electronics and Telecommunication Engineering -2nd Year has successfully completed his internship as a Software Development Engineer(SDE) at Bluestock Fintech where he developed four major projects utilizing technologies such as React Native, React.js, MERN Stack, Machine Learning, and Artificial Intelligence.





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Student Achievements

2. Aryan Chouhan, student of Electronics and Telecommunication Engineering - 2nd Year has become the **Google Campus Ambassador** of MITS-DU



Ambassador Confirmation

Hi ARYAN CHOUHAN,
Congratulations!

After a highly competitive selection process, we are thrilled to offer a volunteering opportunity to you in the **Google Student Ambassador Program**. You have been chosen as one of the most promising



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Student Achievements

3. Krishna Agrawal, student of Electronics and Telecommunication Engineering - 2nd Year Section-A was invited as a Special Guest by the Hon'ble Prime Minister Shri Narendra Modi to witness the Independence Day Ceremony 2025 at the Red Fort, Delhi, on August 15, 2025 — being one of only two individuals selected from the state of Madhya Pradesh representing at the National Stage.





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Student Achievements





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Student Achievements

4. Akshat Yadav, student of ET-2nd Year has attended and represented MITS -DU at Semicon 2025 as a student visitor held during 2-4 September 2025. In which he explored the semiconductor industry — from analog designs and compound semiconductors like silicon carbide (SiC) and gallium nitride (GaN) to innovations by leading companies such as Krutrim, Rapidis, and Renesas. He gained valuable insights into advanced chip-making processes and emerging materials like GaN and SiC, which are driving the future of artificial intelligence, renewable energy, and space technologies.

