



## **Department of Electronics Engg. and Electronics and Telecomm. Engg.**

**Two Day Online National Workshop on  
“AI-Driven Approaches in Modern Electronics and Communication Applications”  
on 17th & 18th April 2026  
in association with John Deere, Pune, Maharashtra**

Department of Electronics Engg. and Electronics & Telecomm. Engg. , MITS-DU Gwalior conducted one day workshop on “AI-Driven Approaches in Modern Electronics and Communication Applications” on 17th & 18th April 2026 in association with John Deere, Pune, Maharashtra

### **Objective of workshop:**

**1. Understand AI Fundamentals in Electronics Engineering Context**

To introduce participants to core concepts of Artificial Intelligence (AI), Machine Learning (ML), and Deep Learning (DL), with emphasis on their relevance to modern electronics and communication systems.

**2. Explore AI Applications in Communication Systems**

To demonstrate how AI techniques are applied in areas such as wireless communication, signal processing, network optimization, and 5G/6G technologies.

**3. Integrate AI with Embedded and IoT Systems**

To provide insights into the integration of AI with embedded systems, IoT devices, and smart sensor networks for real-time decision-making.

**4. Enhance Practical Skills**

To offer hands-on sessions using tools and frameworks (such as Python, TensorFlow, MATLAB) for implementing AI models in real-world ECE problems.

**5. Promote Research and Innovation**

To encourage participants to identify research gaps and develop innovative AI-driven solutions in electronics and communication engineering.

**Line of action:** Workshop was inaugurated in the presence of Dr. Laxmi Shrivastava, HoD of Electronics Engg. Department, Dr. Vandana V. Thakare, HoD, Dept. of Electronics & Telecomm. Engg., Dr. R. P. Narwaria (Workshop Coordinator), Prof. D. K. Parsediya (Workshop Coordinator), faculties of Electronics department. Dr. R. P. Narwaria provided brief information about the workshop. Two Expert Lecture were scheduled in first day and two Expert Lecture in second day. After that the workshop was completed by vote of thanks gave by Prof. D. K. Parsediya. The schedule of workshop was as follows:



## Workshop Schedule

Date	Time	Activity
17.04.2026	01:00 PM -02:00 PM	Inaugural and Expert Lecture -I
	05:00 PM -06:00 PM	Expert Lecture -II
18.04.2026	11:00 AM - 12:00 PM	Expert Lecture -III
	12:00 PM - 01:00 PM	Expert Lecture -IV

### Expert Lecture Details:

Expert Lecture –I : Mr. Sunil Kumar, Senior Software Engineer, Sony(Playstation), Bengaluru

Expert Lecture –II : Prof. Shubham Sharma, Assistant Professor, MIT Ujjain (M.P.)

Expert Lecture –III: Mr. G. S. Narwaria, AGM- Associate General Manager, John Deere, Pune

Expert Lecture –IV: Dr. Chandana Dev, HoD- PEI Department, Govt. JIST, Assam

**Line of action:** In the first technical session, Mr. Sunil Kumar delivered an expert lecture on introduction to Generative AI. The session was very informative and also interactive for the participants. The second expert lecture was delivered by Prof. Shubham Sharma on Artificial Intelligence (AI) Driven Data Analytics: from Data to Intelligent Decisions. The third session was delivered by Mr. G. S. Narwaria on Large language models and Agentic AI. The fourth session was delivered by Dr. Chandana Dev on AI in electronics and communication engg.

### Participants:

In this workshop, total 135 participants were registered. The details of participant are as follows:

S. No.	Name of participant	Role of Participant	Name of Affiliation (Institution)
1.	Abhinav Dongre	Student	MIT-S-DU Gwalior
2.	PARAS MAHOR	Student	MIT-S-DU Gwalior
3.	Ankit Sahu	Student	MIT-S-DU Gwalior
4.	Harshit Singh Sikarwar	Student	MIT-S-DU Gwalior
5.	VISHAL BAGHEL	Student	MIT-S-DU Gwalior
6.	Vinay Savita	Student	MIT-S-DU Gwalior
7.	SANSKAR sen	Student	MIT-S-DU Gwalior
8.	Yash Gaur	Student	MIT-S-DU Gwalior
9.	Rachit Gupta	Student	MIT-S-DU Gwalior
10.	Lakshya Gupta	Student	MIT-S-DU Gwalior
11.	Toyam Jain	Student	MIT-S-DU Gwalior



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



12.	Kartik Krishana kushwah	Student	MITS-DU Gwalior
13.	Anish Malaiya	Student	MITS-DU Gwalior
14.	Kuldeep Singh	Student	MITS-DU Gwalior
15.	vaidant chouksey	Student	MITS-DU Gwalior
16.	Aaditya singh	Student	MITS-DU Gwalior
17.	Tejendra Bansal	Student	MITS-DU Gwalior
18.	Priyanshi Jain	Student	MITS-DU Gwalior
19.	Rahul Patel	Student	MITS-DU Gwalior
20.	Yashasvi Chouhan	Student	MITS-DU Gwalior
21.	Bholu Gurjar	Student	MITS-DU Gwalior
22.	Sarthak Gahoi	Student	MITS-DU Gwalior
23.	Sachin Gupta	Student	MITS-DU Gwalior
24.	Suryansh Dixit	Student	MITS-DU Gwalior
25.	Mayank bisen	Student	MITS-DU Gwalior
26.	Satyam Gupta	Student	MITS-DU Gwalior
27.	Divyanshu Dangi	Student	MITS-DU Gwalior
28.	Jahanvi Sharma	Student	MITS-DU Gwalior
29.	TARUN GUPTA	Student	MITS-DU Gwalior
30.	Om Barua	Student	MITS-DU Gwalior
31.	Pradhumn Singh Tanwar	Student	MITS-DU Gwalior
32.	Shubhi Gupta	Student	MITS-DU Gwalior
33.	Ayush Rahate	Student	MITS-DU Gwalior
34.	Angel Agrawal	Student	MITS-DU Gwalior
35.	Garvit sen	Student	MITS-DU Gwalior
36.	Aashay Sangam	Student	MITS-DU Gwalior
37.	Anuraj Tomar	Student	MITS-DU Gwalior
38.	Shivani Narwariya	Student	MITS-DU Gwalior
39.	Hariom dangi	Student	MITS-DU Gwalior
40.	Sarthak Sharma	Student	MITS-DU Gwalior
41.	Tarun Lohar	Student	MITS-DU Gwalior
42.	Ayush Malviya	Student	MITS-DU Gwalior
43.	Ananya Upadhyay	Student	MITS-DU Gwalior
44.	Nishant Pandey	Student	MITS-DU Gwalior
45.	Shivansh Verma	Student	MITS-DU Gwalior
46.	Dr. Himanshu Singh	Faculty member	MITS-DU Gwalior
47.	Naman kumar Mishra	Student	MITS-DU Gwalior
48.	Anshuraj Chaudhary	Student	MITS-DU Gwalior
49.	Roshani Goyal	Student	MITS-DU Gwalior
50.	Manu pratap singh	Student	MITS-DU Gwalior
51.	Anushka Tomar	Student	MITS-DU Gwalior
52.	KRISHNA DUBEY	Student	MITS-DU Gwalior
53.	Jatin Guru	Student	MITS-DU Gwalior
54.	Raghunandan Sharma	Student	MITS-DU Gwalior
55.	Divyansh Singh Bais	Student	MITS-DU Gwalior
56.	Simran Tomar	Student	MITS-DU Gwalior



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57.	Amit Rathore	Student	MITS-DU Gwalior
58.	Shubh Bijore	Student	MITS-DU Gwalior
59.	Dhanendra Vishwakarma	Student	MITS-DU Gwalior
60.	Deepanshi Tiwari	Student	MITS-DU Gwalior
61.	Sandeep singh panwar	Student	MITS-DU Gwalior
62.	Shriyesh Shukla	Student	MITS-DU Gwalior
63.	Sanskriti Sharma	Student	MITS-DU Gwalior
64.	Tejaswi Ahirwar	Student	MITS-DU Gwalior
65.	ARYAN RATHORE	Student	MITS-DU Gwalior
66.	Somesh patel	Student	MITS-DU Gwalior
67.	Rimjhim Gupta	Student	MITS-DU Gwalior
68.	Ankesh Rathor	Other	MITS-DU Gwalior
69.	Nishant Kumar Vishwakarma	Student	MITS-DU Gwalior
70.	Shrikant Parashar	Student	MITS-DU Gwalior
71.	Shivansh Sharma	Student	MITS-DU Gwalior
72.	ARYA TOMAR	Student	MITS-DU Gwalior
73.	Raj Singh	Student	MITS-DU Gwalior
74.	Anshika Gupta	Student	MITS-DU Gwalior
75.	Dhruv Soni	Student	MITS-DU Gwalior
76.	Akshat Bhatnagar	Student	MITS-DU Gwalior
77.	Kamakshi Dandotiya	Student	MITS-DU Gwalior
78.	Riya Malik	Student	MITS-DU Gwalior
79.	Ankit Sharma	Student	MITS-DU Gwalior
80.	Ayush Kumar Beck	Student	MITS-DU Gwalior
81.	Aliza khan	Student	MITS-DU Gwalior
82.	Aakarsh Ahmed	Student	MITS-DU Gwalior
83.	Charu Saxena	Student	MITS-DU Gwalior
84.	Akanksha Rathaur	Student	MITS-DU Gwalior
85.	Mahi Soni	Student	MITS-DU Gwalior
86.	Kajal Chauhan	Student	MITS-DU Gwalior
87.	Anshu Singh	Student	MITS-DU Gwalior
88.	Mansi Jadon	Student	MITS-DU Gwalior
89.	Sandeep Singh Gurjar	Student	MITS-DU Gwalior
90.	Vedika Singh	Student	MITS-DU Gwalior
91.	Anmol Singh Chauhan	Student	MITS-DU Gwalior
92.	unnati bohare	Student	MITS-DU Gwalior
93.	Jyotiraditya Shinde	Student	MITS-DU Gwalior
94.	Armaan Patel	Student	MITS-DU Gwalior
95.	Deepak Lodhi	Student	MITS-DU Gwalior
96.	pratik barole	Student	MITS-DU Gwalior
97.	ANUJ SINGH	Student	MITS-DU Gwalior
98.	PARTH PANDEY	Student	MITS-DU Gwalior
99.	DIVYANSH SAMADHIYA	Student	MITS-DU Gwalior
100.	Vansh Shrivastava	Student	MITS-DU Gwalior



101.	Aditya Singh	Student	MITS-DU Gwalior
102.	Amit sharma	Student	MITS-DU Gwalior
103.	Aditya Rupchand Dange	Student	MITS-DU Gwalior
104.	Stuti Sirdhar	Student	MITS-DU Gwalior
105.	Ritik kushwaha	Student	MITS-DU Gwalior
106.	Santosh Singh	Student	MITS-DU Gwalior
107.	VIVEK BHARTI	Student	MITS-DU Gwalior
108.	Vishal Verma	Student	MITS-DU Gwalior
109.	SUJAL SINGH CHAUHAN	Student	MITS-DU Gwalior
110.	Himanshi sahu	Student	MITS-DU Gwalior
111.	Suhani Patel	Student	MITS-DU Gwalior
112.	Swati urmaliya	Student	MITS-DU Gwalior
113.	Shaivya kushwah	Student	MITS-DU Gwalior
114.	Gauri Tiwari	Student	MITS-DU Gwalior
115.	Purvi Singh	Student	MITS-DU Gwalior
116.	Divi Tiwari	Student	MITS-DU Gwalior
117.	Shivanshi Bhadauriya	Student	MITS-DU Gwalior
118.	Siddhant Sharma	Student	MITS-DU Gwalior
119.	Atharv Shrotriya	Student	MITS-DU Gwalior
120.	Aishwary Chaturvedi	Student	MITS-DU Gwalior
121.	Vikas Phate	Student	MITS-DU Gwalior
122.	Rajwardhan Singh	Student	MITS-DU Gwalior
123.	Anushree Shinde	Student	MITS-DU Gwalior
124.	Dheeraj Mudgal	Student	MITS-DU Gwalior
125.	MANISH KUMAR SINGH	Student	MITS-DU Gwalior
126.	Aradhya Dixit	Student	MITS-DU Gwalior
127.	yogesh kumar	Student	MITS-DU Gwalior
128.	Shivani Rawat	Student	MITS-DU Gwalior
129.	Krishna jha	Student	MITS-DU Gwalior
130.	Rohit Rawat	Student	MITS-DU Gwalior
131.	Priyansh Bansal	Student	MITS-DU Gwalior
132.	Shubham Jain	Student	MITS-DU Gwalior
133.	Manali Parmar	Student	MITS-DU Gwalior
134.	Harsh Pratap Singh	Student	MITS-DU Gwalior

### Outcomes of the workshop

- **Integration of AI with Electronics Systems**

Ability to understand how AI techniques can be embedded into modern electronic systems such as IoT devices, embedded platforms, and smart sensors.

- **Application in Communication Engineering**

Enhanced knowledge of AI applications in wireless communication, including signal processing, channel estimation, network optimization, and 5G/6G technologies.



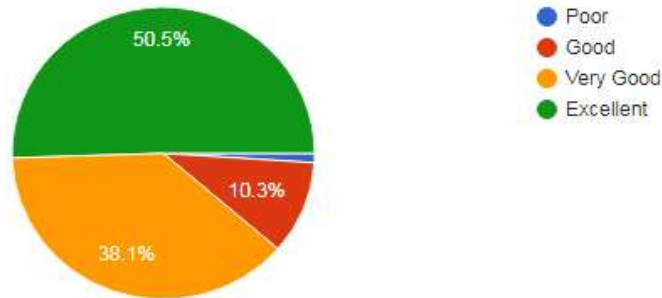
### •Hands-on Experience with Tools and Frameworks

Exposure to practical implementation using tools like Python, TensorFlow, MATLAB, or embedded AI platforms for real-world problem solving

### Feedback Report from Participants

The Workshop Organisation was

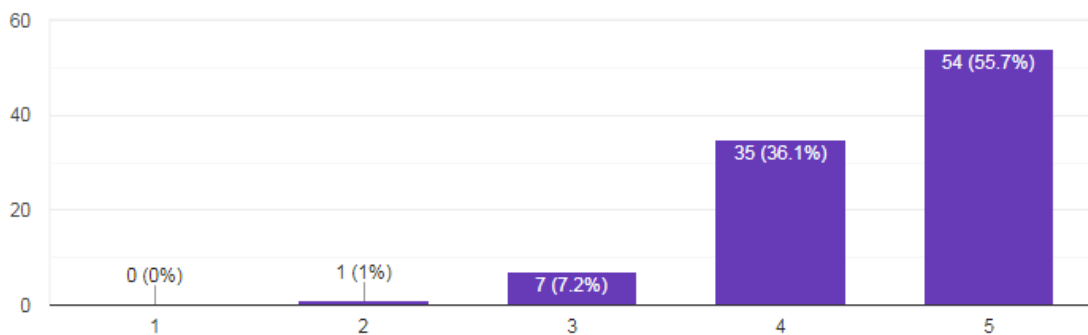
97 responses



The Workshop Contents meet with your expectations

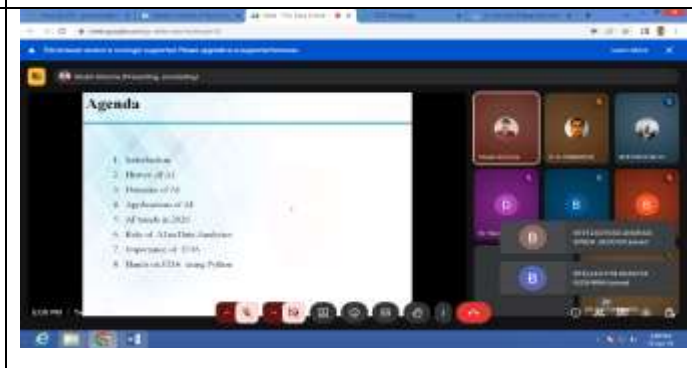
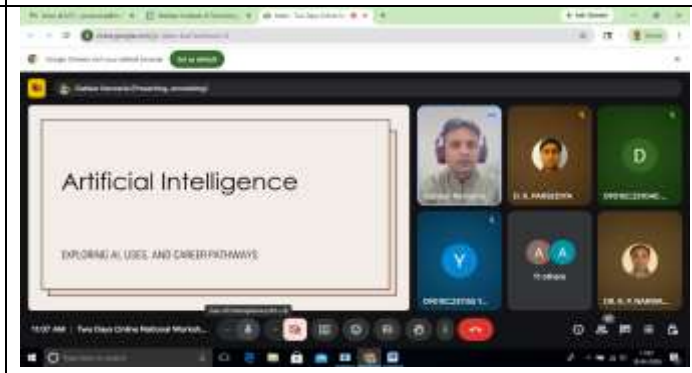
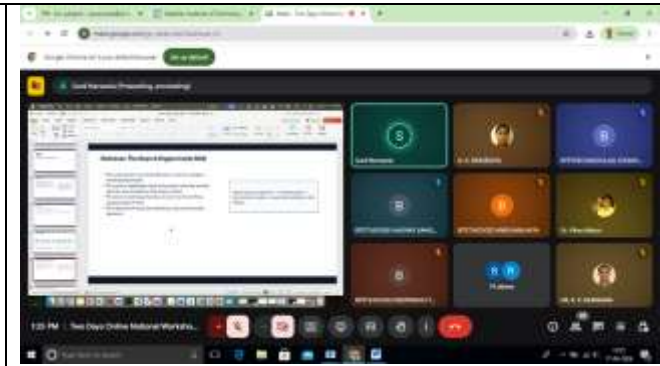


97 responses





### Some Glimpses





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