



Department of Electronics Engineering
and
IETE Bhopal Chapter

Expert Talk
on
Shaping Intelligence: Navigating AI/ML Job Paths in Academia and Industry
By
Dr. Shailesh Mohine

(20 April 2025)

An Expert Talk on “**Shaping Intelligence: Navigating AI/ML Job Paths in Academia and Industry**” organized by the IETE Bhopal Chapter in collaboration with the Department of Electronics Engineering, MITS Gwalior, on 20 April 2025.

The event began with a welcome address by **Student Coordinator** Nagendra Singh. Coordinator Nagendra Singh then introduced **Dr. Shailesh Mohine** to the audience and invited him to commence the session.

Dr. Shailesh Mohine holds a Ph.D. from AcSIR at CSIO, Chandigarh, and currently serves as Technical Software Lead at Motherson Innovations Technology Ltd. (MITL), Noida. With over 10 years of research and industry experience, he has worked in key roles at Pareto Tree Pvt. Ltd., IIT Indore, and DRDO-TBRL. At MITL, he leads R&D projects in automotive AI, including gesture recognition, camera-based inspection systems, and smart logistics solutions. His earlier work focused on biomedical wearables and acoustic-based surveillance systems.

Dr. Mohine has authored **eight research publications**, including papers in IEEE Transactions. His expertise lies in signal processing, image analysis, and artificial intelligence.

The session concluded with a **vote of thanks** delivered by **Dr. Himanshu Singh**.

This activity was coordinated by **Dr. Himanshu Singh** under the guidance of **Dr. Pramod Kumar Singhal** (Dean, Quality Assurance) and **Dr. Vandana Vikas Thakare** (Head of the Department, Electronics Engineering).

In total, more than 50 participants attended the talk via Google Meet. The event successfully fostered curiosity and enthusiasm for AI/ML career paths in both academia and industry, making it a memorable and enriching experience.

Glimpse of the expert talk by Dr. Shailesh Mohine



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE



Department of Electronics Engineering
&
IETE Bhopal Centre
Presents



Dr. Shailesh Mohine
Technical Software Lead,
Matherson Innovations Technology Ltd.,
Noida, India

Expert Talk
on
**Shaping Intelligence :
Navigating AI/ML Job Paths
in
Academia & Industries**

 **SUNDAY
20 April 2025**

 **12:00 PM**

 **Online Mode**

 **E-Certificates**

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Dr. Shailesh Mohine earned his Ph.D. from the Academy of Scientific and Innovative Research (AISIR) at the Central Scientific Instruments Organisation (CSIO), Chandigarh, India. He is currently working as a Technical Software Lead in the R&D division at Matherson Innovations Technology Limited (MITL), Noida, India. Previously, he served as a Senior Algorithm Engineer at Paratec Free Private Limited, Gurugram, and as a Research Associate in the Department of Electrical Engineering at IIT Indore. He also held the position of Research Fellow at the Terminal Ballistics Research Laboratory (TBRL), DRDO, Chandigarh. At Matherson Innovations, Dr. Mohine has contributed to various automotive R&D projects, including human finger-based gesture recognition for smart touch surfaces, AI-assisted camera-based end-of-line wire harness inspection, and the development of a smart automated rapid scanning system for plant logistics applications. His work at Paratec Free and IIT Indore involved biomedical applications such as smart wearable devices for human health monitoring. At DRDO, he worked on a military surveillance project focused on an acoustic-geo signal modality-based ground vehicle monitoring system. Dr. Mohine has published eight research articles in journals and conferences, including IEEE Transactions. With over 10 years of combined research and industry experience, his primary research interests lie in signal and image processing, as well as artificial intelligence.

Faculty Coordinator: Dr. Himanshu Singh : 9424072768
Student Coordinator: Nagendra Singh : 7247796298

Dr. Vandana Vikas Thakore
Head,
Electronics Engineering Department



List of Attendees

1	Ratnesh Asati	27	Arshad Khan
2	Shreyam Rai	28	Shivraj Singh
3	Prateek Sharma	29	Mayank Singh Rajput
4	Yash Vardhan Singh	30	Sanjay Bisariya
5	Anish Malaiya	31	Harsh Malviya
6	Bhragesh Patel	32	Aman Gupta
7	Kartik Kushwah	33	Krishna Agrawal
8	Rajeev Malviya	34	Sambhav Sharma
9	Aman kaurav	35	Swati Dixit
10	Lokesh Singh Somwansi	36	Nishkarsh Sharma
11	Vishal Baghel	37	Parth Shukla
12	Gaurav Singh Chauhan	38	Atul sharma
13	Vidhi Pandey	39	Parth Tripathi
14	Sakshi Dhakad	40	Vipendra Baghel
15	Simran Tomar	41	Aishwary Chaturvedi
16	Priyanshu Patel	42	Navdeep Shakya
17	Vivek Prasad	43	Shalini Patel
18	Adarsh Hada	44	Ankesh Rathor
19	Kshitij Kanungo	45	SONU KUMAR
20	Aniket Sharma	46	Parth Shukla
21	Purvi Singh	47	Payal Rajput
22	Saurabh Singh Chauhan	48	Shubham Patel
23	Ankit Sahu	49	Nairitya Gupta
24	Himanshi Tiwari	50	Anshuman Singh Sisodia
25	Sourabh Patidar	51	Shrikant Parashar
26	Ratnesh Asati	52	Lavkush Prajapati



Dr. Himanshu Singh
(Faculty Coordinator)



Dr. Vandana Vikas Thakare
(Head of the Department)