



TIIC Sponsored One Day Workshop
on

AI for IoT: Revolutionizing Smart Devices Security (Hybrid Mode)



Jointly Organized by

Department of Computer Science and Engineering
ABV-IIITM, Gwalior

Department of Information Technology
ABV-IIITM, Gwalior

Venue: Computer Science and Engineering Department, Block-D, Atal Bihari Vajpayee-Indian Institute of Information Technology and Management, Gwalior
May 05, 2025

About the workshop

Overview:

The rapid expansion of the Internet of Things (IoT) has brought about a transformative wave across industries, embedding intelligence into everything from home appliances to industrial systems. However, this proliferation also introduces significant security vulnerabilities. This one-day workshop explores the integration of Artificial Intelligence (AI) with IoT to bolster the security of smart devices.

Participants will gain insights into how AI-driven techniques like machine learning and deep learning can detect threats, enhance privacy, and autonomously respond to security breaches in real-time. Through a mix of theoretical sessions, hands-on activities, and real-world case studies, the workshop aims to equip attendees with the foundational knowledge and applied skills necessary to develop and secure AI-powered IoT systems.

The aim of the program is to provide opportunities for students and researchers to enrich their knowledge in the following areas:

- Why AI for IoT?
- Challenges in IoT Security: attack vectors, data breaches, privacy concerns
- AI's role in strengthening IoT security
- AI Techniques for Devices Security
- Secure model updates & AI model poisoning threats
- Edge AI, Security Challenges & Industry Trends

Who Can Attend

The workshop is open to UG/PG students, Research Scholars, Professionals from Industry and Academia.

Mode: Hybrid (online and offline)

Registration Fee: 300 INR

Registration Link: <https://forms.gle/NsvWvE3NJxiiiFtC6>

Scan to Register



Payment Details

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About ABV-IIITM Gwalior

Atal Bihari Vajpayee - Indian Institute of Information Technology & Management Gwalior (ABV-IIITM Gwalior) is India's premier Institute incepted by the Ministry of Education (MOE), Government of India in the year 1997 as a center of excellence in the field of Information Technology and Management. It is the foremost Institute providing superior quality higher education in the designated areas and is located at Gwalior, Madhya Pradesh, India. The Institute's activities aim to develop a culture of inquiry and research through a highly competitive academic environment and close interaction between the Institute and the corporate world. Institute has many laurels to its credit in the national and international arena.

Resource Persons

Leading resource persons from industry and academic institutions like IITs, IIITs will deliver the lectures and hands-on sessions on cutting edge technologies

Important Dates:

Registration Opens	: April 18, 2025
Last Date of Registration	: May 01, 2025
Workshop date	: May 05, 2025

Chief Patron

Prof. S. N. Singh, Director, ABV-IIITM Gwalior

Coordinators

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