



**Faculty Development Programme  
on**

**Artificial Intelligence for  
Next-Generation Healthcare Systems**

**2<sup>nd</sup> January 2026 to 6<sup>th</sup> January 2026**

**Objective of the FDP**

The objective of this Faculty Development Programme is to equip participants with a comprehensive understanding of how Artificial Intelligence is transforming next-generation healthcare systems. The programme aims to develop foundational and applied knowledge of AI techniques—including machine learning, deep learning, predictive analytics, and intelligent decision-support systems—and their role in improving diagnosis, treatment, patient monitoring, and hospital supply chain operations. The FDP focuses on enhancing participants’ ability to design innovative healthcare solutions, interpret medical data using AI, and explore emerging trends, challenges, and ethical considerations associated with the adoption of AI in modern healthcare ecosystems.

**Topics to be covered**

- Artificial Intelligence and Machine Learning Applications in Healthcare
- AI Techniques for Medical Diagnosis and Clinical Decision Support
- AI in Biomedical, Assistive, and Rehabilitation Devices
- Intelligent Wearable Sensors and Health Monitoring Systems
- Additive Manufacturing and 3D Printing for Medical Implants and Prosthetics
- Bioprinting and Advanced Materials for Healthcare Applications
- Cloud Computing and Edge Computing for Healthcare Data Storage and Management
- Data Security, Privacy, and Interoperability in Health Information Systems
- AI-Enabled Forecasting and Optimization in Healthcare Supply Chains
- Emerging Trends in Healthcare Ecosystem

**Resource Person:** Experts from Academic/research organizations, industry professionals, and faculty members of IITs, NITs and IIITs

**Who should attend:** UG/PG Students, Research Scholars, Faculty members, and Industry professionals

**For any details, please contact:**

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**About the Department**

The Department of Management Studies (DoMS), ABV-IIITM Gwalior, offers academic programmes such as Ph.D., MBA and Integrated Programme in Management with dual degrees of B. Tech, and MBA which aims to inculcate competencies necessary to address contemporary, complex and emerging business challenges. ABV-IIITM Gwalior secured 11th rank in Best B-School in Government institute category by IIRF 2023. The department aims to develop holistic and responsible leaders by creating insightful knowledge and transforming human endeavours through technology-enabled management solutions.

**About the Institute**

ABV-IIITM Gwalior is an apex IT and Management Institute, established by the Government of India. The Institute endeavours to carve young minds through quality teaching and state-of-the-art research and develop them as tomorrow’s leaders. The Institute’s mandate is to create Information Technology enabled Management solutions. Sprawling across 150 lush green acres on the foothills of Gwalior Fort, the Institute is self-contained with basic amenities for all round development of students.

**Registration Details:**

- **For outside participants: Rs. 800/-**
- **For participants from ABV-IIITM: Rs. 500/-**

**For Payment (Bank transfer/NEFT/UPI)**

Bank Name	Bank of India
Account Name	ABV-IIITM FDP Account
Account Number	945210110009380
IFSC Code	BKID0009462
MICR	474013010
SWIFT Code	BKIDINBBGWA

**Registration Link:**



**Coordinators:**

**Dr. Amandeep Kaur, DoMS, ABV-IIITM Gwalior**

**Prof. Gyan Prakash, DoMS , ABV-IIITM Gwalior**

**Organized by**

Department of Management Studies

ABV-Indian Institute of Information Technology and Management Gwalior