

# ATAL BIHARI VAJPAYEE INDIAN INSTITUTE OF INFORMATION TECHNOLOGY AND MANAGEMENT GWALIOR



## AICTE TRAINING AND LEARNING (ATAL)

ONLINE  
6 DAYS FACULTY TRAINING PROGRAMME  
ON

# ADVANCED ANALYTICS FOR NEXT-GENERATION INDUSTRIAL PROCESSES

### Objective of ATAL FDP Scheme

The objective of ATAL scheme is “To plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging fields”

### Content of the course

- Introduction to Industry 4.0 and Advanced Analytics
- Fundamentals of Data Science in Manufacturing
- Machine Learning for Automated Decision Making
- Predictive Maintenance of Industrial Equipment
- Advanced data exploration and data handling
- Real-time Monitoring and Anomaly Detection
- Edge Computing and Industrial IoT in Distributed Manufacturing
- Case Studies: Successful Implementation of Analytics in Manufacturing and Cement industry
- Ethical Considerations and Data Governance
- Future Innovations, Challenges and Trends in Industry 5.0/6.0

23 December 2024  
to  
28 December 2024

Organized by

Department of Management Studies  
ABV-Indian Institute of Information  
Technology and Management  
Gwalior

## OUR RESOURCE PERSONS



Dr. Mukesh Kumar, Associate Professor,  
University of Cambridge, United Kingdom



Dr. Krishna Chaitanya Balthu, Aston  
Business School, Aston University, United  
Kingdom



Mr. Avinash Mishra, President, Quality  
Circle Forum of India



Mr. Pankaj Jha, Sr. DGM, BHEL Bhopal



Mr. Mukesh Kumar Uchaval,  
Team Leader – Technical Services  
Global Technical Centre -India  
KHD- Humbolt Wedag Germany



Prof. Gyan Prakash, ABV-IIITM Gwalior



Mr. Kumar Ambedkar, Chief Engineer,  
DRDO

## 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

Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior (ABV-IIITM Gwalior), is an apex Information Technology (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. The Institute offers various programmes at Masters and Doctoral level. 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. The Institute's activities are aimed at developing amongst students an inquisitive mind and a culture of camaraderie and research.

## Objective of the FDP

The objective of the Faculty Development Program (FDP) on Advanced Analytics for Next-Generation Industrial Processes is to provide participants with a deep understanding of advanced data-driven methodologies such as machine learning, artificial intelligence, and predictive analytics, tailored to modern industrial applications. The program focuses on equipping participants with the technical expertise to model, analyze, and optimize complex industrial processes using state-of-the-art analytics frameworks. Emphasis will be placed on the integration of real-time data processing, automation, and decision-support systems to enhance productivity, operational efficiency, and predictive maintenance in next-generation industrial ecosystems.

## Guidelines

- Number of participants is limited to 200.
- Eligible participants will be selected based on first come first serve basis and will be intimated by e-mail only. The coordinators decision will be final in the selection of participants.
- On the last day of the program an assessment test will be conducted for all participants.
- E-certificate will be awarded only to those participants having minimum 80% attendance and scored minimum 60% marks in the test conducted by the coordinator on the last day.

## Who should attend

- The Faculty Members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry and Engineers from R&D Labs can attend the FDP.

## Registration Details

- There is no registration fee
- Download participant NOC format from the given link: <https://tinyurl.com/ATALNOC>

- **Link for the registration:**

Participants are requested to register compulsorily in the following link:

<https://www.aicte-india.org/atal>

OR

<https://atalacademy.aicte-india.org/signup>

- **Online Platform**

The entire programme will be conducted through online mode. The details of online platform and meeting link will be communicated to the selected candidates through their registered email.

## For any details, please contact

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## Organizing Committee

### Patron

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Director, ABV-IIITM Gwalior

### Coordinator

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

### Co-Coordinator

Dr. Amandeep Kaur  
Assistant Professor, DoMS, ABV-IIITM Gwalior