

# ABOUT THE INSTITUTE

Established in 1955 by the visionary industrialist Mr. BM Birla, BIT Mesra was founded with a clear vision to offer its young minds space, where their imagination could take wings and the fruition of their ideas. Birla Institute of Technology, Jaipur Campus is an integral part of Birla Institute of Technology, Mesra (Ranchi), it was established in 1995. The focus of the institute is to provide quality education in Engineering, Applied Sciences and Management with technology and professional exposure through innovative programmes & practices. With excellent performance, progressive mind set and good will earned, it is today one of the leading institutes in the field of Engineering, Applied Sciences and Management. BIT Jaipur Campus is running various programmes at levels of Doctoral Research, PG courses such as MCA, M.Sc. (Animation & Design), M.Sc.(Bioinformatics & Computational Biology) and UG courses such as B.Tech.(CSE, AI, ECE, EEE), BCA, BBA, B.Sc.(Animation & Multimedia). The campus is well located in the southern-east part of the city which is an upcoming hub of important installations and development activities in residential, institutional and business areas. The campus is within 5-7 km reach from the airport , railway station and bus stand.

## BIT Mesra Website

<https://bitmesra.ac.in/>

## BIT Mesra Jaipur Off-Campus Website

<https://bitmesra.ac.in/5>

## PATRONS

Prof. Indranil Manna  
Vice Chancellor  
BIT Mesra, Ranchi

## ORGANIZING CHAIR

Dr. Peeyush Tewari  
Director  
BIT Mesra Jaipur Off- Campus

## FDP COORDINATOR

Dr. Madhavi Sinha

## FDP CO-COORDINATOR

Dr. V. Pathak

## ADVISORY COMMITTEE BIT MESRA

Dr. Ashoke Sheron  
Dean (Faculty Affairs)

Dr. C. Jeganathan  
Dean (Research, Innovation, Entrepreneurship)

Dr. Supratim Biswas  
Head, Department of Computer Science and Engineering

## CONTACT US

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BIT Mesra Jaipur Off-Campus

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Registration link –  
<https://forms.gle/oxFzpnJBB9bvfnys6>

## AICTE TRAINING AND LEARNING (ATAL)

### ACADEMY

### SPONSORED



## FACULTY DEVELOPMENT PROGRAM

ON

## GENERATIVE AI: TOOLS AND TECHNIQUES

25TH – 30TH NOVEMBER 2024



2024-2025  
Platinum Jubilee Year Celebration

## Organized by

BIRLA INSTITUTE OF TECHNOLOGY,  
MESRA, RANCHI  
JAIPUR OFF-CAMPUS, JAIPUR  
RAJASTHAN, INDIA – 302017

## ABOUT THE FACULTY DEVELOPMENT PROGRAM

Generative artificial intelligence refers to the use of AI to create new content, like text, images, music, audio, and videos.

This FDP is an attempt to propagate a discourse on key aspects of Generative AI that enables development of intelligent automation tools.

The six-day course content is designed in such a way that the candidates with basic knowledge of IT can attend the course and will be able to teach the subject at graduation level and could also guide the students for the various application development using latest tools of Generative AI. The topics to be covered are : • Introduction to Generative AI: Concepts and Applications • Mathematical Foundations of Generative AI • Deep Learning Fundamentals for Generative AI • Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs) • Language Models and NLP • Generative AI in the Industry • Future Trends and Research Directions in Generative AI

**The FDP will be conducted in off-line mode.**

## SPEAKERS

Resource persons for Faculty Development Programs (FDPs) come from diverse backgrounds, each bringing specialized knowledge and expertise to enhance the learning experience. These are Academic experts, Industry professionals, Technology experts and leadership trainers.

1. **Dr. Aditi Saran**, Associate Professor, Jawaharlal Nehru University, New Delhi
2. **Dr. Dinesh Goyal**, Professor, Poornima University, Jaipur
3. **Dr. Nisheeth Joshi**, Research Associate Professor, Banasthali University,
4. **Dr. Namita Mittal**, Associate Professor, MNIT, Jaipur
5. **Dr. Manisha Sharma**, AI consultant, A3Logics Pvt Ltd, Jaipur
6. **Dr. O.P. Rishi**, Associate Professor, University, of Kota,
7. **Dr. Mani Madhukar**, Program Manager, IBM India Pvt Ltd
8. **Dr. Pratishtha Mathur**, Professor, Manipal University, Jaipur
9. **Dr. G. S. Malhotra**, Associate Professor, BIT Mesra Jaipur Campus
10. **Dr. Roopali Sharma**, Professor, BIT Mesra Jaipur Campus

## ELIGIBILITY OF PARTICIPANTS

Faculty members of Higher Academic institutions, research scholars and PG students are eligible to attend the program.

## REGISTRATION PROCEDURE

- Participants interested to attend this program need to make online registration using following link - <https://forms.gle/oxFzpnJBB9bvfnyS6>
- Participants also need to separately submit scanned copies of their registration form (available in the brochure), duly signed by respective authorities through mail till 20th Oct 2024.
- Number of participants is limited to 50. Short listed candidates will be informed through email.
- On completion of the program, the certificate of participation will be issued as per the ATAL FDP norms.

## ABOUT PROGRAM FEES

There is no registration fee for participants. TA will be paid as per the AICTE ATAL FDP norms to the participants. . Tea and lunch during sessions will be provided by organizers to the participants during the course.

## ABOUT ACCOMMODATION FACILITY

Accommodation to be arranged by the participants on their own.



2024

