

RESOURCE PERSONS

Eminent researchers from reputed academic institutions like IITs/NITs/ISB/Universities etc.

IMPORTANT INFORMATION

- The FDP will be conducted in online mode
- Join every session 10 minutes before the schedule timing
- 90% of the attendance is compulsory
- On completion of the course, e-certificates will be provided

IMPORTANT DATES

Deadline for registration : **15/12/2024**

Intimation for selection: **16/12/2024**

ELIGIBILITY

The FDP is aimed at faculty members from engineering/ science colleges/ institutions and also to industry personals and research scholars who are keen to explore the integration of AI/ML in various field of Engineering.



ABOUT THE INSTITUTE:

The **National Institute of Technology Agartala (NITA)**, an Institute of National Importance (INI) was instituted by Government of India with the mission to herald excellence in technical education and research in the North-East region. The institute was established by the Ministry of Education (MOE) in the era of renaissance in technical education in north east. NIT Agartala, in its strategic initiatives realizes the responsibilities of higher education to meet the future challenges of a sustained development in knowledge-based economy and roots its commitment in inculcating the values of quality education as per National Education Policy 2020 (NEP2020). The institute strives to the causes of higher education taking the academic and research dissemination in its stride.

ABOUT THE DEPARTMENT:

Mechanical Engineering Department of National Institute Of Technology Agartala offers **undergraduate, postgraduate and Ph.D. programme** where students are encouraged to acquire knowledge facilities with an integrated thinking about education research & development, application and training. The students are provided knowledge to understand the fundamental of basic sciences and humanities, inter disciplinary knowledge, innovation, creative and problem solving abilities.

REGISTRATION DETAILS

Rs:500/- per participant (For research scholar) & **Rs:1000/-** per participant (For faculty member/industry personal)

Name of Account Holder:

Col (Dr.) Ashish Badola, Registrar

Bank Name: State Bank of India(SBI)

Account Number: 30369892838

Branch: NIT Agartala

IFSC Code: SBIN0011491

MICR No: 799002525

Interested participant should registrar with the following link given below

<https://forms.gle/pTcFPoZBRLrdQoLY6>

or

SCAN THE QR



RESOURCE PERSONS:

Eminent experts from Industry and Academia (IITs, NITs, IISER etc.) will be delivering talks.

ABOUT THE FDP

The FDP is aimed at introducing fundamental concepts of AI and ML and their relevance to engineering and their applications in design, simulation, manufacturing and predictive maintenance. This course will also foster interdisciplinary research by bridging AI/ML with different engineering domains.

MAJOR TOPICS TO BE COVERED

- Introduction to AI, Agents, Environments and Problem Formulations
- Overview of Machine Learning
- Overview of modeling techniques
- Tools and platforms for AI/ML
- Advance modeling techniques
- Application of AI/ML in process optimization
- Integration of AI/ML in engineering domain
- Data collection and pre-processing
- Deep learning and Neural Network
- Optimization techniques in Engineering with ML
- Modeling and simulation in engineering
- Few case studies and applications

CERTIFICATION

E-certificate will be issued to all participants. Submission of feedback is mandatory



Five-days online Faculty Development Program (FDP) on “Modeling and Application of AI/ML in Engineering”



17-21 December, 2024

Organized by

DEPARTMENT OF MECHANICAL ENGINEERING



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