

Important Dates

Last date of Registration: 07-12-2024

Confirmation via email: 10-12-2024

Workshop start date: 16-12-2024

Organizing Committee

- Dr. Dinesh K. Prabhakar, Asst. Prof.
- Dr. Rahul Mishra, Asst. Prof.
- Mr. Abhishek Bakhla, Asst. Prof.
- Mr. Vikas Kumar, Senior Technician
- Mr. Ajeet Gupta, Technician

Student Committee

- Anurag Kumar
- Ayush Mishra
- Mayank Kumar Verma
- Aditya Pandey
- Mansi Kumari

Details For Registration

Account Holders Name: NIAMT IRG
FUND ACCOUNT

IFSC Code: CNRB0002730

Account Number: 2730101006939

Or Scan Through The QR Code:



Contact Us

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For more information, please visit the website:

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

Resource Persons



**Prof. Subhash Chandra
Yadav**
Professor & Head,
Dept. of Computer Science &
Engineering, Central
University of Jharkhand,
Ranchi



Mr. Mukesh Kumar
Senior Director, Cognizant
Technology Solutions,
Hyderabad



Mr. Aneesh PA
AGM, RDCIS, Steel
Authority of India Limited,
Ranchi



Dr. Mayank Shrivastava
Scientist C, Department
of Science and
Technology, New Delhi



Dr. Jitesh Pradhan
Assistant Professor,
Department of Computer
Science and Engineering,
NIT Jamshedpur



Dr. Prasenjit Dey
Assistant Professor,
Department of Computer
Science and Engineering,
NIT Rourkela

National Institute of Advanced Manufacturing Technology, Ranchi

(Deemed to be University under Distinct Category
under MoE, Govt. of India)



Workshop on

Python-Powered AI: Transforming Industries with Intelligent Solutions

(Hybrid Mode)

(16th - 20th December, 2024)

Organized by
Department of Electronics and
Computer Engineering

Chief Patron

Shri Arun Kumar Jha
Chancellor, NIAMT

Patron

Prof. P. P. Chattopadhyay
Director, NIAMT

Convenor

Dr. Madhu Kumari
HoD ECE, NIAMT

Co-Convenor

Dr. Vikash K. Gupta
Asst. Prof., ECE, NIAMT

Coordinators

Dr. Ravinder Pal Singh, Asst. Prof., ECE, NIAMT
Dr. Shalini Mahato, Asst. Prof., ECE, NIAMT



About the Institute

National Institute of Advanced Manufacturing Technology (NIAMT - formerly NIFFT), Ranchi, established in 1966, is a leading institution under the Ministry of Education offering B.Tech, M.Tech, and Ph.D. programs. NIAMT is the vanguard of Manufacturing Excellence for India.

The departments running in the institute are Electronics and Computer Engineering (ECE), Foundry and Forge Technology (FFT), Mechanical and Manufacturing Engineering (MFE), Applied Sciences & Humanities (ASH) and Material & Metallurgical Engineering (MME).

NIAMT is committed to adapt, develop and disseminate the technological, translational and transformational competence with an aim to emerge as a globally visible knowledge hub in Advanced Manufacturing technology.

About Department

The Department of Electronics and Computer Engineering at NIAMT is dedicated to provide high-quality education and research in Electronics, Computer Technologies and Artificial Intelligence (AI). The department offers B.Tech in Computer Engineering. The focus of the department is on cutting-edge areas such as AI, Machine Learning (ML), Embedded systems, and Automation. Equipped with state-of-the-art laboratories and guided by a team of distinguished faculty, the department aims to prepare students for successful careers in technology and engineering, drive research and innovation, and promote industrial collaboration.

Objective of the Workshop

In today's rapidly advancing technological landscape, Artificial Intelligence (AI) stands as a cornerstone of innovation, offering transformative potential across various industries. This workshop is uniquely designed to offer a comprehensive exploration of AI's applications in industry and its implications for future professionals.

The workshop is designed for those who want to have better understanding and implementation of Artificial Intelligence using Python on different Industrial Case Study.

Eligibility

Undergraduate and graduate students across various disciplines, Research Scholars, Officers, Faculty and Industrial Professionals.

Topics to be Covered

- Advanced manufacturing and Industry 4.0
- Impact of AI-ML-DL in Reshaping the Industry/Research
- Application of AI in Steel Industry and Healthcare Sector

Hands-on (Lab Session)

- Basics of Python
- Data Visualization using Python
- Machine Learning(ML) Using Python
- Deep Learning(DL) Using Python
- Case Study implementation using Python

Registration Details

Registration Link:

Registration (Offline): <https://forms.gle/M6vg7NqonkJ1r629A>

Registration (Online): <https://forms.gle/VFyiwAhs6kkYc2Uq7>

Registration Fee

Category	Offline Registration	Online Registration
Student	1000 INR	500 INR
Officer/Faculty/ Industry	2000 INR	500 INR

Note:

- **The workshop registration fee is waived-off for NIAMT students, faculty members, officers and staffs.**

- Certificates will be provided to participants with a minimum attendance of 75%.

Limited Seats available. Selection is based on First Come First Serve Basis.

Boarding and Lodging

Registration fee (Offline) includes lunch during the workshop and workshop kit. Lodging of the participants will be arranged at the institute guest house on payment basis and as per the availability.