

## REGISTRATION FORM

One Week

Faculty Development Program (FDP)

On

**“Exploratory Data Analysis:  
Techniques and Tools”**

(December 23 to 28, 2024)

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Organization/Institute: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile No: \_\_\_\_\_

Email: \_\_\_\_\_

✓ Open for Academician, Research Scholar &  
Industry Persons

✓ Two sessions per day

**Registration Link:**

<https://forms.gle/5B4m64NmM34n91jp7>

**Last Date of Application Submission:  
22nd December 2024.**

**For registration queries contact**

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## CHIEF PATRON

**Shri. S. D. Ganage**  
President, MMM, Pune

**Prin. B. G. Jadhav**  
Executive President, MMM, Pune

**Shri. K. H. Mungale**  
Secretary MMM, Pune

## PATRON

**Dr. Rupesh V. Bhortake**  
Principal, MMIT

## CONVENOR

**Dr. Jyoti Y. Deshmukh**  
Associate Professor | HoD AI&DS  
Department

## COORDINATOR

**Dr. Shrikant D. Dhamdhare**  
Associate Professor | AI&DS Department

## ORGANISING COMMITTEE

- Dr Babaso Shinde
- Dr Kiran Gaikwad
- Mr. Nisar S. Shaikh
- Mrs. Rucha A. Agrawal
- Mr. Swapnil M. Gagare
- Mrs. Aparna S. Lahane
- Ms. Vidya E. Kadam
- Ms. Savitri P. Mane
- Mrs. Jyoti P. Nawade



**Marathwada Mitra Mandal's  
Institute of Technology (MMIT),  
Lohgaon, Pune**

NAAC Accredited with Grade “A”

One Week

Faculty Development Program (FDP) on

**“Exploratory Data Analysis:  
Techniques and Tools”**

**December 23 to 28, 2024**  
(Online Mode)

## IN ASSOCIATION WITH



## ORGANIZED BY

**Department of Artificial  
Intelligence & Data Science**  
**Marathwada Mitra Mandal's Institute of  
Technology (MMIT)**  
**Pune - 411047**

## ABOUT MMIT

The institute is governed by the trust "Marathwada Mitra Mandal, Pune" which was established in 1967 by Hon. Late Shri. Shankarraoji Chavan, Former Home Minister, Govt. of India as the "Founder President".

The Marathwada Mitramandal's Institute of Technology, Lohgaon was established in 2008. The institution is affiliated to Savitribai Phule Pune University, Pune and is approved by AICTE, New Delhi, recognized by DTE, Government of Maharashtra. The institute is NAAC accredited with Grade "A".

### Institute Vision

"Techno-Social Excellence"

### Institute Mission

The Mission of the Institution is to

- Enhance technology transfer
- Implement entrepreneurship
- Promote global competency
- Integrate innovative pedagogy
- Create an excellent human resource

## ABOUT THE DEPARTMENT

The Department of Artificial Intelligence and Data Science (AI and DS) is established in the Academic Year 2021-2022. This is a 4-year degree course approved by AICTE, New Delhi under Savitribai Phule Pune University (SPPU). AI is an interdisciplinary science with multiple approaches to build smart machines capable of performing tasks that typically require human intelligence. Data Science (DS) is an umbrella term for a group of fields that are used to analyze large datasets. The AI & DS domain is considered one of the most lucrative jobs in the industry right now.

## Department Vision

"Excellence in the field of Artificial Intelligence & Data Science"

## Department Mission

The Mission of the department are to

- To encourage the students for learning various AI&DS based tools & techniques
- To groom students technologically superior
- To train students in a way to meet the needs of society

## ABOUT THE FDP

The Faculty Development Program (FDP) on Exploratory Data Analysis: Techniques and Tools aims to equip faculty with in-depth knowledge of data exploration methods, statistical techniques, and visualization tools. The program emphasizes hands-on learning to analyze and interpret datasets effectively, fostering research proficiency and practical problem-solving skills. Participants will also gain insights into leveraging these techniques for impactful research and publishing in reputed journals, enhancing their academic and professional growth.

## FDP OBJECTIVE

- ❖ To explore emerging opportunities in academic and industry research.
- ❖ Introduce the principles and importance of Exploratory Data Analysis in data science and research workflows.
- ❖ Create a collaborative learning environment to share best practices and insights among participants.
- ❖ Enhance participants' technical and analytical skill sets for teaching and research purposes.

## WORKSHOP DURATION

One week FDP with two sessions each day between December 23 and 28, 2024

## WHO SHOULD ATTEND

Faculty members, researchers, and data science enthusiasts

## CONTENT

- Introduction to Data Analytics
- Data Collection and Cleaning
- Exploratory Data Analysis (EDA)
- Statistical Methods for Data Analysis
- Data Analytics using Python
- Machine Learning Fundamentals
- Data Visualization and Reporting
- Big Data and Advanced Analytics
- Ethics and Privacy in Data Analytics
- Integrating Data Analytics into the Curriculum
- Capstone Project & Conclusion

## ADDRESS FOR COMMUNICATION

**Department of Artificial Intelligence and Data Science,  
Marathwada Mitra Mandal's Institute of Technology (MMIT)**

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