



## **Technical In-Plant Training Cum Internship in Data Science for Diploma Engineering Students**

**Location:** MITU Skillologies, Navi Sangvi, Pune – 27.

**Commencement Date:** Last week of May 2025 (Exact date to be announced shortly)

**Program Duration:** 12 weeks (7 weeks training + 5 weeks industrial project and internship)

### **Program Schedule:**

- **Training Period:** 7 weeks, Monday to Thursday, 10:00 AM to 01:00 PM (Batch-1), 02:00 PM to 05:00 PM (Batch-2).
- **Practice Time:** Students are expected to dedicate time outside of scheduled sessions for self-practice and reinforcement of learned concepts.
- **Project and Internship Period:** 5 weeks, with flexibility to complete the project remotely.

### **Program Overview:**

MITU Skillologies is offering a comprehensive technical in-plant training cum internship program in Data Science, specifically designed for Diploma Engineering students. This program aims to bridge the gap between academic learning and industry requirements by providing hands-on training and practical experience. Participants will develop a strong foundation in Data Science, equipping them with the skills necessary to excel in this rapidly expanding field. The program combines classroom instruction with a real-world project, ensuring that students gain both theoretical knowledge and practical application.

### **Program Objectives:**

- To provide Diploma Engineering students with in-depth knowledge of Data Science concepts and tools.
- To equip students with practical skills in Python programming, data analysis, data visualization, and machine learning.
- To offer hands-on experience through an industry-relevant project.
- To enhance students' problem-solving abilities and analytical thinking.
- To prepare students for careers in the Data Science industry.

## **Program Curriculum:**

The training curriculum will cover the following key areas:

- **Python Programming:** Foundational programming skills using Python, including data structures, control flow, and object-oriented programming principles, GUI development, essential for data manipulation and analysis.
- **Data Analysis:** Techniques for exploring, cleaning, transforming, and extracting meaningful insights from raw data using libraries such as Pandas, Numpy.
- **Data Visualization:** Principles and methods for creating effective and informative visual representations of data using libraries like Matplotlib and Seaborn to communicate findings clearly.
- **Machine Learning:** Introduction to fundamental machine learning algorithms, including supervised and unsupervised learning techniques, and their practical applications in solving real-world problems.

## **Project and Internship Details:**

- Students will undertake an industrial project that applies the skills and knowledge acquired during the training program.
- The project is designed to provide practical experience and allow students to work on a real-world data science problem.
- The project can be completed remotely, offering flexibility and convenience to the students.
- The project work will be closely related to the topics covered in the training, ensuring a cohesive learning experience.

## **Assessment and Evaluation:**

- Weekly assignments will be given to students to reinforce learning, track progress, and provide opportunities for practice.
- Students are required to submit their completed assignments through their individual GitHub accounts.
- Regular attendance will be monitored to ensure active participation and engagement in the program.
- The final project will be evaluated based on its technical complexity, methodology, results, and overall presentation.

## **Certification:**

- An internship selection e-certificate will be provided to students upon commencement of the program.
- A completion certificate will be awarded to students upon successful completion of the training program and project.

**Instructor Profile:**

- The training sessions will be conducted by Aditya S. Thakare, Data Scientist at MITU Research. He is an experienced data scientist with a strong industry background with experience of 5 years.

**Eligibility and Requirements:**

- This program is open to Diploma Engineering students (CO, CM, IF, EJ, AN).
- Participants are required to bring their own laptops for the training sessions.

**Program Benefits:**

- Comprehensive and hands-on training in Data Science.
- Practical experience through an industry-relevant project.
- Opportunity to build a portfolio of Data Science projects on GitHub.
- Guidance and mentorship from an experienced industry professional.
- Industry-recognized certification.
- Development of in-demand skills in a rapidly growing field.
- Enhanced employability and career prospects in the Data Science industry.

**Application Information:**

- Interested students should contact MITU Skillologies for application details, deadlines, and any further inquiries.
- The exact commencement date of the training program will be announced shortly through official channels.

**Contact Information:**

- MITU Skillologies (+91 9960 16 3010, <https://mitu.co.in>, [contact@mitu.co.in](mailto:contact@mitu.co.in) )

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