

Sri Sai Vidya Vikas Shikshana Samithi®

# SAI VIDYA INSTITUTE OF TECHNOLOGY

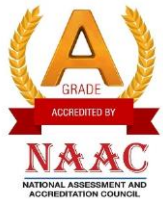
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Accredited by NBA, New Delhi (CSE, ECE, ISE), NAAC – “A” Grade

**DEPARTMENT OF CSE (Artificial Intelligence & Machine Learning)**

RAJANUKUNTE, BENGALURU – 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: [hodaiml@saividya.ac.in](mailto:hodaiml@saividya.ac.in) \* URL [www.saividya.ac.in](http://www.saividya.ac.in)



Date: 17/02/2025

## REPORT ON SKILL DEVELOPMENT PROGRAM ON EXPLORATORY DATA ANALYSIS FOR MACHINE LEARNING



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RAJANUKUNTE, BENGALURU - 560064, KARNATAKA.



**Department of CSE(Artificial Intelligence & Machine Learning)**



*In Association with*  
*Kaushalya Technical Training & Consultancy Service, Bengaluru*

*Skill Development Program on*  
**“Exploratory Data Analysis for  
Machine Learning”**

**4th Semester**  
**12th to 15th Feb, 2025**



**Faculty Coordinators:**  
**Ms. Jayshri**  
**Mr. Arun Kumar**

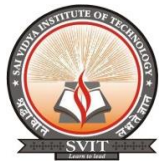
**Venue : Seminar Hall, 235**

**Scan for Registration**



**Dr. T G Manjunath**  
Prof & HOD, Dept of CSE (AI & ML)

**Dr. M S Ganesha Prasad**  
Principal, SVIT



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Resource Person

**Mr Raghu Prasad Konandur,**

**FOUNDER & CEO ,**

**KAUSHALYA TECHNICAL TRAINING AND  
CONSULTANCY SERVICES, Bengaluru**



## Objectives

- To equip students with an adept understanding of Exploratory Data Analysis using Python.
- To provide a comprehensive induction into essential tools and techniques for data manipulation and visualization using Python.
- To equip learners with the skills necessary to work effectively with data and derive actionable intelligence to build Machine Learning Models.

## Outcomes

- Comprehensive understanding of Data Analysis with Python libraries Hands-on experience and exposure to Machine Learning applications mirroring industry requisites .
- Enhanced problem-solving skills through practical assignments and project-based learning.

**12th Feb,2025**

**Day 1: Introduction to Data Analytics,Setting Up the Environment, Working with Python for Data Handling Basics and Advanced,Hands on session and assignment**

**13th Feb,2025**

**Day 2: Introduction to Numpy, Built-in functions of Numpy, Introduction to Matplotlib,Exploring different type of plots, Hands-on session and assignment**

**14th Feb,2025**

**Day 3: Working with real world example using kaggle , Assessment MCQ and Programming test**



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The Skill Development Program on Exploratory Data Analysis for Machine Learning was organized by the Department with the goal of this workshop is to equipping students with in-demand skills in the field of Exploratory Data Analysis using Python. With the rapid advancements in technology, the program aimed to bridge the gap between academic knowledge and practical industry requirements by offering students a comprehensive understanding of Machine Learning techniques.

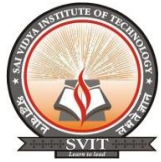
Through a carefully designed project-based approach, participants were given the opportunity to explore real-world datasets and develop hands-on expertise in performing exploratory data analysis (EDA) for machine learning. The program included a series of expert-led sessions, interactive tutorials, and workshops, covering topics such as data preprocessing, feature engineering, data visualization, and the use of EDA techniques to understand and prepare data for machine learning models.

The program not only enhanced the technical skills of students but also fostered problem-solving and critical thinking abilities by encouraging them to work on innovative projects. This initiative provided a platform for students to explore career opportunities in ML, preparing them for future challenges in research and industry. The program received an overwhelming response, demonstrating the growing interest in Machine Learning among students and the department's proactive role in promoting technological advancements.

## **Participants:**

**Total No. of Students: 120**





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**Faculty Coordinators**

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**Mr. Arun kumar**

**HOD**

Head of the Department  
Department of CSE (AI & ML)  
Sai Vidya Institute of Technology  
Rajanukunte, Bengaluru - 64.