



Sri Sai Vidya Vikas Shikshana Samithi<sup>®</sup>

# SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), 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: 30/04/2024

## REPORT ON ONE WEEK SKILL DEVELOPMENT PROGRAM ON

## “EXPLORATORY DATA ANALYSIS FOR MACHINE LEARNING”



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



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)



IEEE  
BANGALORE SECTION



IEEE  
Computational  
Intelligence  
Society



ABHIJNA  
AI & ML

*In Association with*  
*Analogica Software Development Pvt.Ltd, Bengaluru*

## One Week Skill Development Program on “Exploratory Data Analysis for Machine Learning”



**Registration Link**  
<https://forms.gle/2njxoVtE2mtJNRUB7>

**Faculty Coordinators:**  
Ms.Anitha M C  
Ms. Pooja A

**23rd to 27th April, 2024**

**Venue : Seminar Hall, 235**

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

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



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**Resource Person**

**Vijay Shanthagiri**

**Data Scientist | Mentor | Founder-  
Certisured & Analogica, Bengaluru**



*Analogica Software  
Development pvt.ltd*



## 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.

23 April,2024

**Day 1: Python Refresher Concepts**

24 April,2024

**Day 2: NumPy for Numerical Computing Prowess**

25 April,2024

**Day 3: Data Exploration with Pandas**

26 April,2024

**Day 4: Crafting Visual Narratives with Matplotlib**

27 April,2024

**Day 5: Deciphering Data Patterns through Exploratory Data Analysis (EDA)**





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A one-week Skill Development Program (SDP) on **“Exploratory Data Analysis (EDA) for Machine Learning”** was organized with the aim of enhancing students practical knowledge in analyzing and understanding data, which is a crucial step in any machine learning. The program was designed to provide both theoretical concepts and hands-on experience in data exploration techniques that aid in building better predictive model.



**Resource person- Mr. Vijay Shanthagiri addressing the student**

*Pooja* *Anitha*

Faculty Coordinators:

Ms. Pooja A

Ms. Anitha M C

*[Signature]*

HOD

Head of the Department  
Department of CSE (AI & ML)  
Sai Vidya Institute of Technology<sup>1</sup>  
Rajanukunte, Bengaluru - 64.