

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY(A) (An AUTONOMOUS Institution)

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Report on Six Day Workshop on Data Analysis Using Python in Association with APSSDC

Organized by : Department of Information Technology

Name of the Speaker: Tamada Srikanya

Designation : Executive Technical, APSSDC

Topic : **Data Analysis Using Python**

Venue : Skill Development Lab

Date & Time : 6th to 11th November 2023

9:30AM - 4:00PM

Conducted for : Students

Branch	Year	Semester	No of Students Attended
IT	Second & Third Year	First Semester	72

Profile of the Speaker

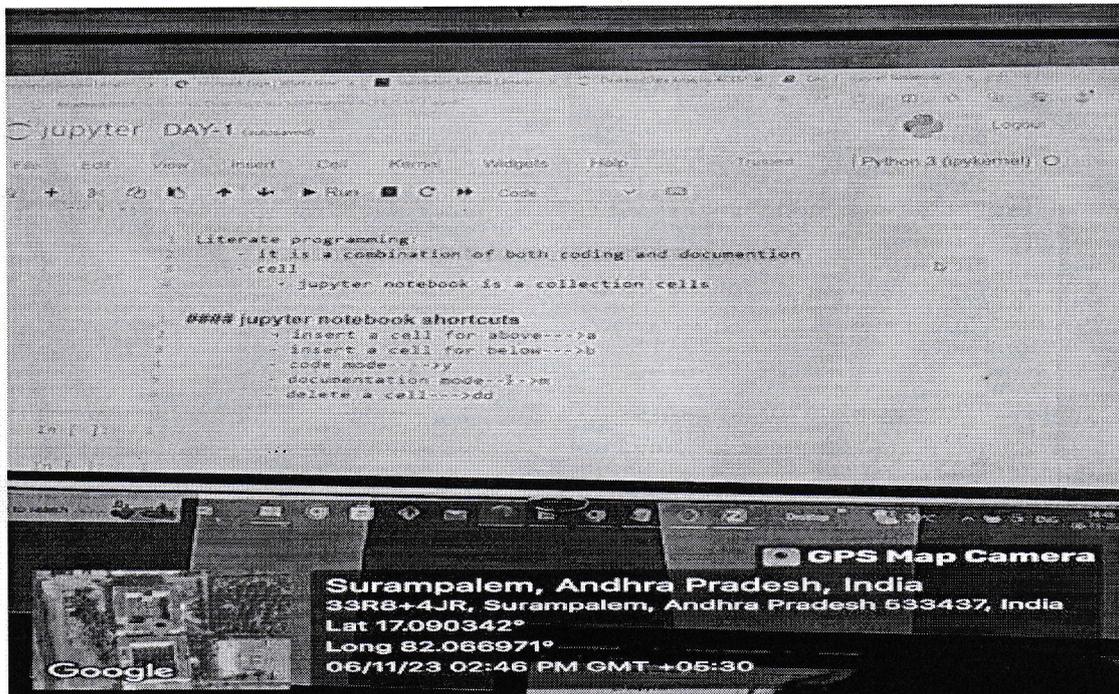
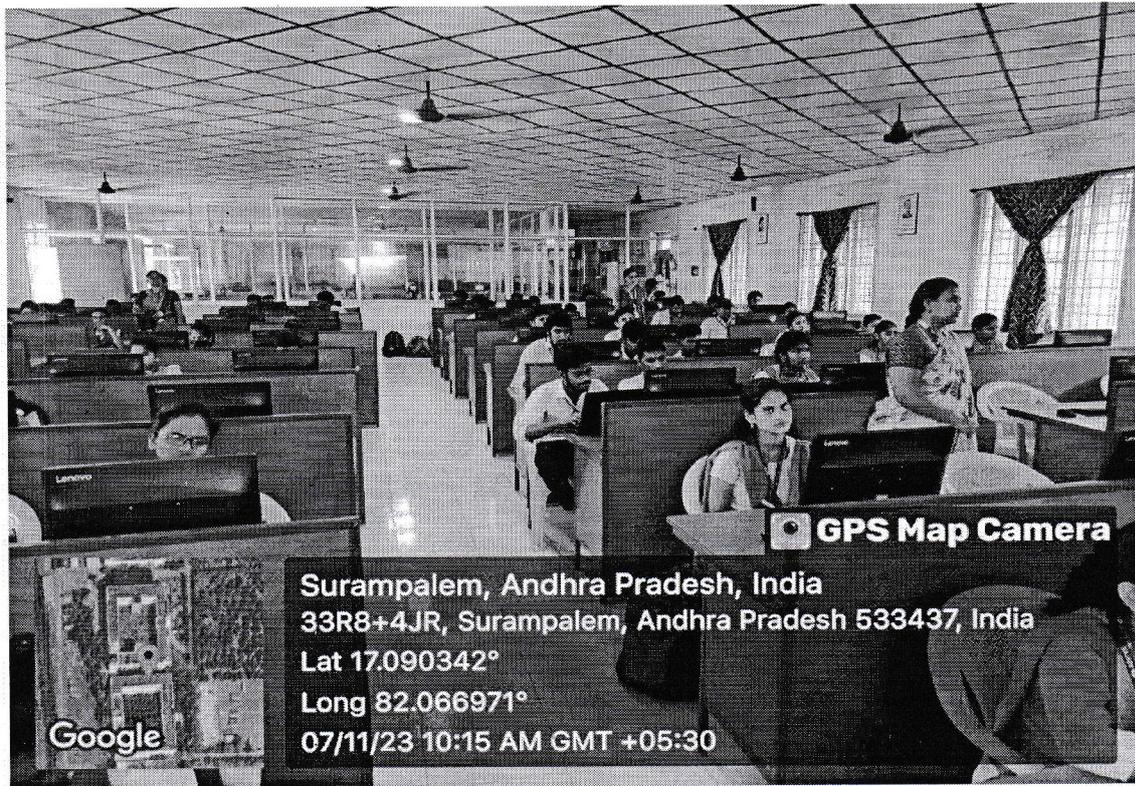
Tamada Srikanya is an Executive Technical at Andhra Pradesh State Skill Development Corporation, specializing in Python, Data Analysis, and Django Web Development. With extensive experience since August 2019, Srikanya has conducted training for government faculties, Faculty Development Programs for Engineering College faculties, and trained over 5000 students in Python, Data Analysis, and Web development using Django. Certified in Python for Everybody, AI & Data Analysis, and Full Stack Development, Srikanya holds a Bachelor's degree in Computer Science and Engineering with an 82% CGPA. Srikanya's passion for education is evident through active engagement with engineering colleges.

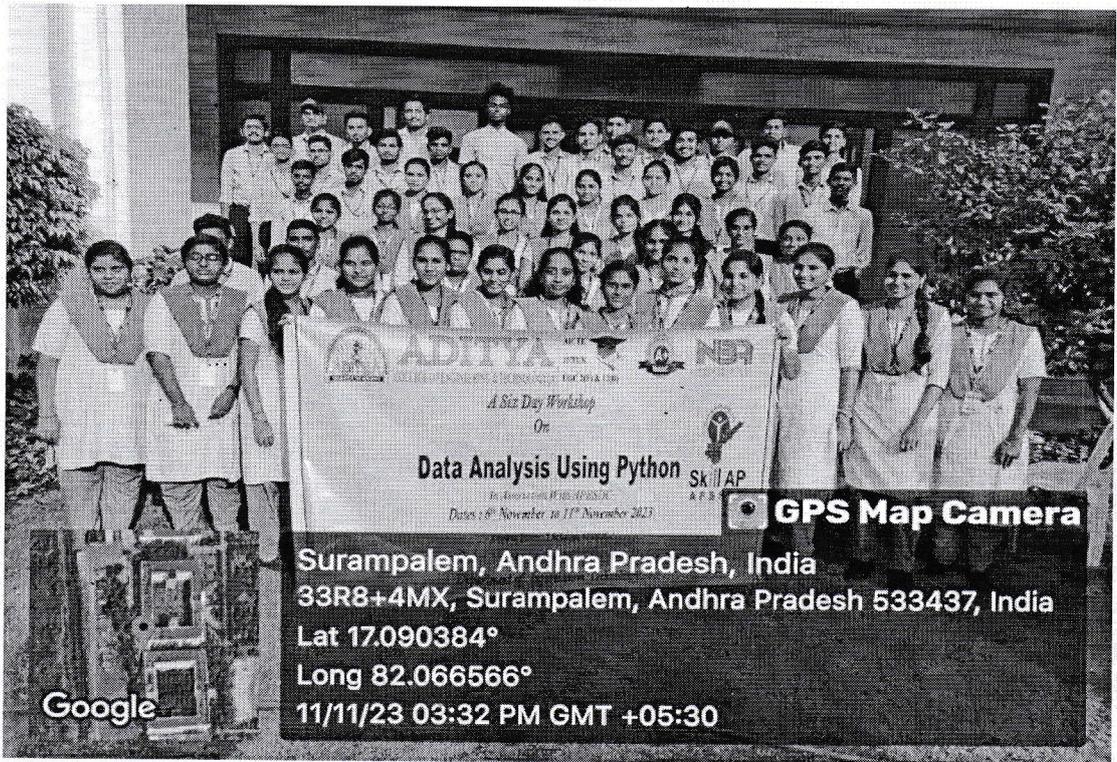
Report

1. Report in brief by Organizer / Coordinator / Convener:

Department of Information Technology in Association with APSSDC organized a Six-day Workshop for Second and Third year B.Tech IT Students in AP Skill Development Lab, from 6th November 2023 to 11th November 2023. The primary objectives include facilitating a comprehensive understanding of data analysis and machine learning approaches. Participants will learn modern computing data technologies, scaling up machine learning techniques, and their practical applications in various industries. The Data Science and Analysis course is designed to address the pivotal role of data in diverse industries such as finance, e-commerce, business, education, and government. With a focus on Python programming, known for its versatility, the course spans 36 hours, divided into six days of six-hour sessions each. This six-day course provides a hands-on exploration of key topics in data analysis and machine learning. Participants will gain insights into fundamental concepts such as data types in statistics and essential Python programming. The curriculum progresses to cover practical aspects of data manipulation using NumPy, data analysis with Pandas, cleaning and preprocessing techniques with Pandas and Scikit Learn, and advanced data visualization skills using Matplotlib and Seaborn, including regression plots and heatmaps. Overall, the course aims to equip participants with practical skills for real-world applications in data science and machine learning. This workshop is a certification-based program where the students have taken Assessment test and students are awarded with Certificate. The Resource person shared her email addresses to facilitate further communication and information exchange.

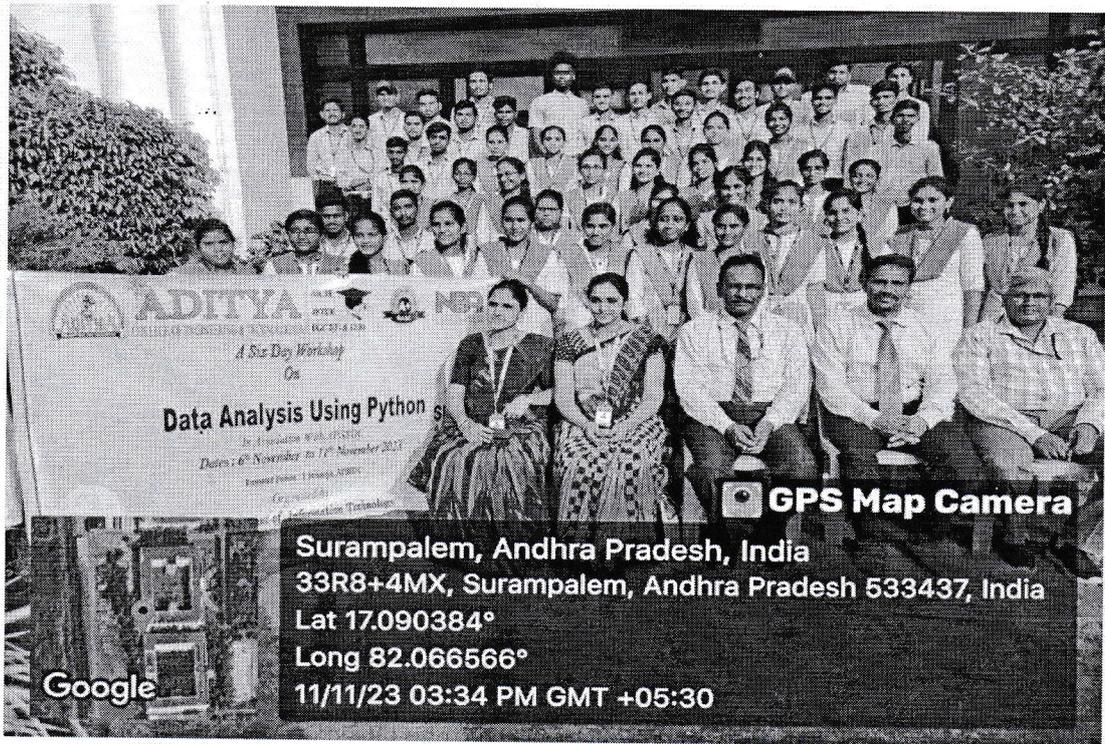
2. Photos:





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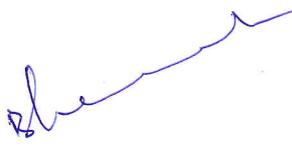
3. Feedback from students:

Students are very much satisfied with the Workshop conducted by IT Department in Association with APSSDC on Data Analysis Using Python. Designed as an immersive six-day experience, this course offered a hands-on exploration of crucial themes in data analysis and machine learning. Participants delved into fundamental concepts, including data types in statistics and essential Python programming skills. This program provided digital content access in English languages to all the participants.

4. Remarks from Resource Person:

Response from the management, staff and students was highly satisfactory and looking forward to conduct more sessions in future.


Coordinator/Organizer


HOD


Principal