SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. Rangampet – 517102

Department of Computer Science and Engineering

Organizing

A Two Day Workshop
on
"Data Visualization with Python"
19 February 2022 & 26 February 2022

Convenor

Dr. G. Sunitha,
Professor & BoS Chairperson
Department of CSE,
Sree Vidyanikethan Engineering College

Resource Persons

Dr. G. Sunitha,
Professor & BoS Chairperson
Department of CSE,
Sree Vidyanikethan Engineering
College

Dr. J. Avanija,
Associate Professor & BoS Chairperson(DS & AI),
Department of CSE,
Sree Vidyanikethan Engineering College

Dr. J. Aswini,
Professor, Department of CSE,
Sree Vidyanikethan Engineering College

Date & Time	: 19.02.2022, 10:00 AM
Venue	: Research Lab
Target Group	: III B.Tech. II Sem CSE Students

PROFESSOR **HOD, CSE**
Dept. of Computer Science and Engineering
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dt) - 517 102

Department: CSE | Date: 19ᵗʰ February 2022 & 26ᵗʰ February, 2022

A Two-Day Workshop on
"Data Visualization with Python"

The Department of Computer Science and Engineering, Sree Vidyanikethan Engineering College organized a Two-Day Workshop on "Data Visualization with Python" on 19th February 2022 & 26th February, 2022 for III B.Tech. CSE students.
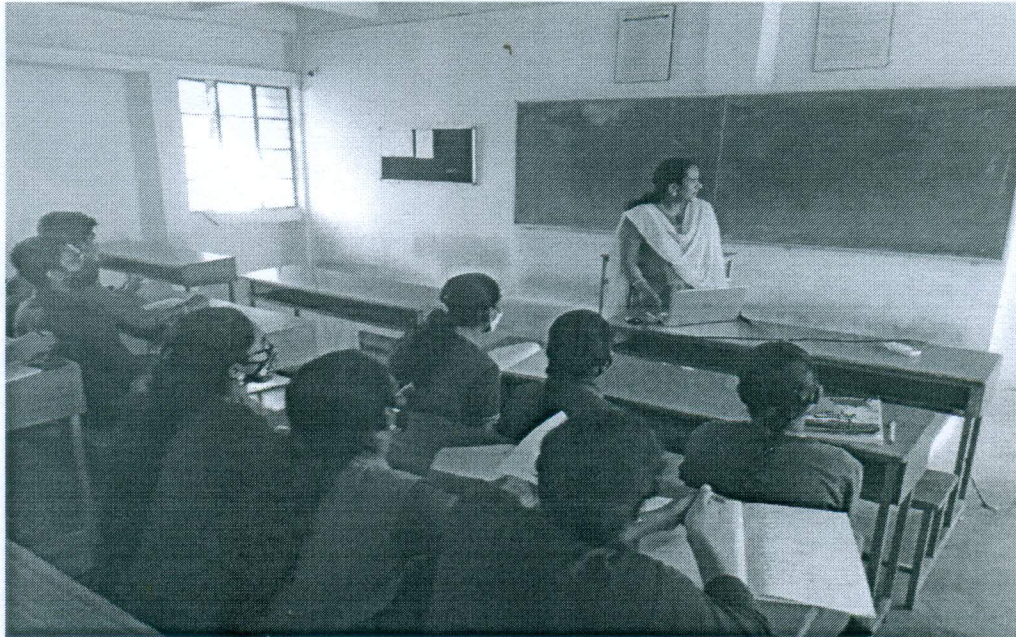
The core idea of the programme was to provide exposure to III B.Tech. CSE students on the importance of Data Visualization tools and technologies to analyze massive amounts of information and for making data-driven decisions. This workshop provided participants with the hands-on practice on Data Visualization using Python libraries. This workshop enabled participants to understand how every business can take significant leverage of their information. A total of 66 students were benefited by the workshop. Participants learned Advanced Python Data Visualization Libraries through which they can handle the Exploratory Data Analysis, Preprocessing and Machine Learning Model Interpretation steps in the Machine Learning Process.

19.02.2022 – On Day One forenoon session, Dr. G. Sunitha, Professor and Board of Studies Chairperson, Department of CSE, Sree Vidyanikethan Engineering College presented talks on "Introduction to Data Visualization" and "Data Visualization using Matplotlib". During afternoon session, Dr. J. Aswini, Professor, Department of CSE, Sree Vidyanikethan Engineering College provided "Hands-On Practice on Data Visualization using Matplotlib ".
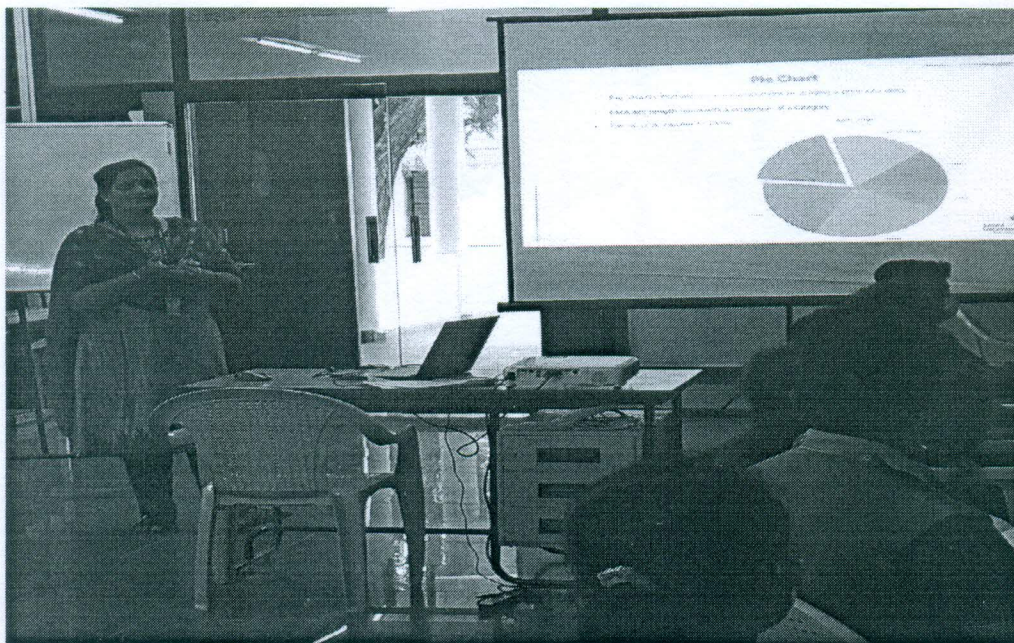
26.02.2022 – On Day Two forenoon session, Dr. J. Avanija, Associate Professor & BoS Chairperson (DS&AI), Department of CSE, Sree Vidyanikethan Engineering College presented talk on "Data Visualization using Plotly" and provided "Hands-On Practice on Data Visualization using Plotly". During afternoon session, Dr. G. Sunitha, Professor and Board of Studies Chairperson, Department of CSE, Sree Vidyanikethan Engineering College presented a talk on "GeoData Visualization" and provided "Hands-On Practice on GeoData Visualization with Geopandas and Geoplot ".
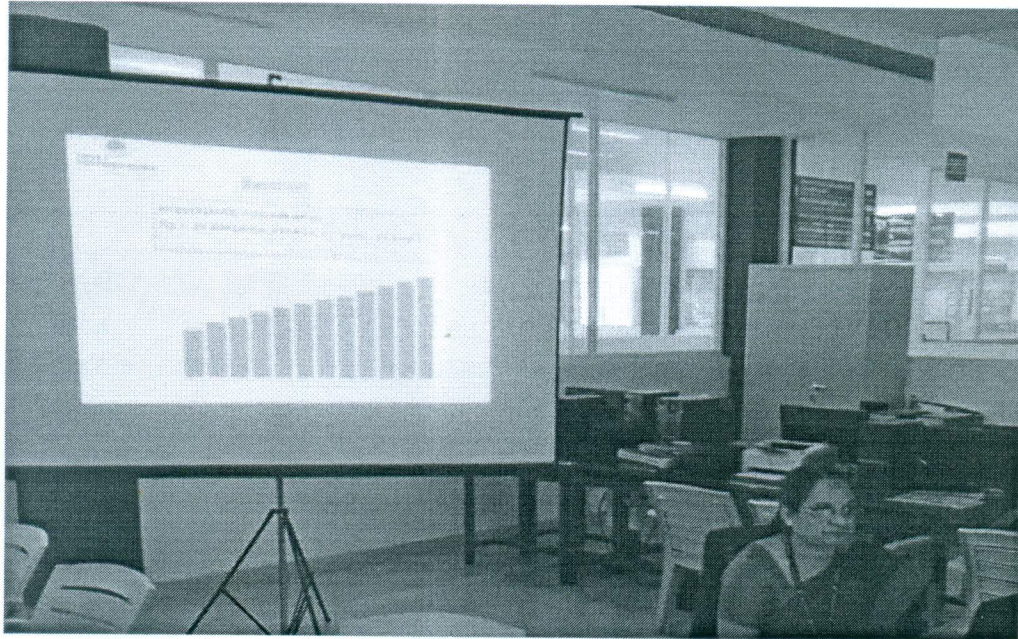
Outcomes of the Programme:

- Students acquired knowledge and hands-on practice on Data Visualization using Python libraries.
- This workshop acted as bridge course for Machine Learning Lab being offered in III B.Tech. II Sem CSE students.
- Students will be able to apply visualization tools to explore data as part of their Final year projects.
- Students will be able to use Advanced Python Data Visualization Libraries through which they can perform Exploratory Data Analysis, Preprocessing and Machine Learning Model Interpretation steps in the Machine Learning Process.

Dr. G. Sunitha delivering session on Introduction to Data Visualization

Dr. J. Aswini providing Hands-on Practice on Matplotlib

Dr. J. Avanija delivering session on Data Visualization using Plotly

HOD,CSE

PROFESSOR & HEAD
Dept. of Computer Science and Engineering
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dt) - 517 102, A.P.