TRAINING ON

Python for Data Analysis and Scientific Plotting

This training involves hands-on working in python covering aspects of basics of python programming, data cleaning, transformation, analysis and visualization through python

27.01.2024 to 28.01.2024 (Two days) in Hybrid Mode

Fee Payment
1180 - TNAU students on roll
2360 - Other students / Faculty
Fee includes 18 % GST

- Kindly pay the fee and then proceed for registration
- Proof of fee receipt is to be uploaded while registration

MERCHANT NAME: PROF HEAD DEPT OF PHYSICAL S
UPI ID: TNAU7725VCS@SBI

SCAN & PAY

Registration Link

Kindly Pay the fee before Registration and a digital copy of the fee payment receipt has to be uploaded during registration

https://forms.gle/rJ34P8cuK3XiMSUD8

Training Modalities

Training will be in Hybrid Mode
Participants can join online or offine
E-certificate will be issued only after completion of assignment

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Course Outline

Basics of Python program

- Google Colab
- Variables and Expressions, Strings
- List, tuples, dictionaries,
- Function
- Conditionals and loops,
- File handling

Data cleaning and Transformation

- Importing data - dataframe - pandas
- Missing data and Outliers
- Sorting, Filtering, Merging Datasets
- Test for normal distribution

Data Analysis

- Frequency Analysis
- Descriptive Analysis
- Aggregating and summarizing data
- Statistical Analysis - t test

Data Visualization

- Seaborn - visualizing distributions relationships and categorical data
- Line, Bar, Scatter, Box, violin plots
- Histogram, heatmaps,
- Multiple plots

Contact Us

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