CURRICULUM FORVALUE ADDED COURSE ON "PYTHON WITH MACHINE LEARNING"IN Tech Fortune

1. Basics OF PYTHON

2. Python Ecosystem

3. Methods for Machine Learning

4. Data Loading for ML Projects

5. Understanding Data with Statistics

6. Understanding Data with Visualization
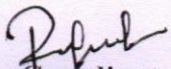
7. Preparing Data

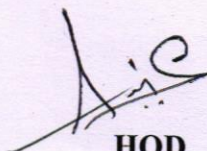8. Data Feature Selection

Assessment:
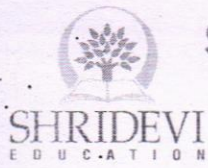
Students should obtain:

Min 80% of attendance
Min 80% Participation in practice session
Quiz

Coordinator

HOD

HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL
SIET. TUMKUR.

Curriculum for VALUE ADDED COURSE ON "MACHINE LEARNING WITH PYTHON"

1 - Introduction to Machine Learning
Applications of Machine Learning
Supervised vs Unsupervised Learning
Python libraries suitable for Machine Learning

2 - Regression
Linear Regression
Non-linear Regression
Model evaluation methods

3 - Classification
K-Nearest Neighbour
Decision Trees
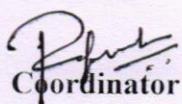Logistic Regression
Support Vector Machines
Model Evaluation

4 - Unsupervised Learning
K-Means Clustering
Hierarchical Clustering
Density-Based Clustering

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