30 HOURS

SHORT-TERM COURSE on Data Science

COURSE FEE: Rs. 2500/-

MODE: Participants (Offline)
Resource Persons (Online + Offline)

Eligibility: M.Sc. in Statistics, Economics(M.A./M.Sc.), Mathematics & Computer Science

ANNOUNCEMENT

Organised Jointly by

CIESD and The Department of Statistics
The University of Burdwan
Burdwan, West Bengal

The University of Burdwan

Application(s) to be Communicated to,
agupta@stat.buruniv.ac.in

Last Date of Application
24.05.2024
Announcement of Selected Candidates
27.05.2024
Last Date of Payment
05.06.2024

11 - 18 JUNE, 2024

30 Hrs Short Term Course on Data Science 11-18 June, 2024			
11.06.2024	**Tuesday**		
10:30-11:30	Inaguration		
11:30-12:30	Python programming I		
12:30-01:30	Descriptive Statistics		
01:30-02:00	*Break*		
02:00-03:00	Exploratory Data Analysis (EDA)		
03:00-04:00	Introduction to Machine Learning		
04:00-05:00	Decision Trees and Random Forests		
12.06.2024	**Wednesday**		
10:00-11:00	Clustering Algorithms		
11:00-12:00	Neural Networks and Deep Learning		
12:00-01:00	Probability distributions		
01:00-02:00	*Break*		
02:00-03:00	Sampling Distributions and Point estimation		
03:00-04:00	Hypothesis testing I		
13.06.2024	**Thursday**		
10:00-11:00	Building ETL pipelines with Python		
11:00-12:00	Data Mining with Python		
12:00-01:00	Hypothesis testing II		
01:00-02:00	*Break*		
02:00-03:00	Simple Linear Regression		
03:00-04:00	Multiple Linear Regression I		
14.06.2024	**Friday**		
10:00-11:00	Multiple Linear Regression II		
11:00-12:00	Logistic Regression		
12:00-01:00	Dimensionality Reduction		
01:00-02:00	*Break*		
02:00-03:00	Time Series Analysis		
03:00-04:00	Beyond Linearity		
15.06.2024	**Saturday**		
10:00-11:00	Python programming II		
11:00-12:00	Bootstrap for Model Assessment		
12:00-01:00	Ensemble Learning in ML- Bootsting		
01:00-02:00	*Break*		
02:00-03:00	Capstone Project Kick-off		
03:00-04:00	Project Workshops and Consultations		
16.06.2024	**Sunday**		
17.06.2024	**Holiday**		
18.06.2024	**Tuesday**		
10:00-11:00	Regularization in Regression		
11:00-12:00	Text Mining and Natural Language Processing (NLP)		
12:00-01:00	Introduction to Big Data and Spark		
01:00-02:00	*Break*		
02:00-03:00	Project Presentations		
03:00-04:00	Course Review and Future Directions		
04:00-04:30	Velidectory Session