Welcome To
One Week Virtual
Faculty Development Program

On

Data Science Using Python

IN ASSOCIATION WITH

National Institute of Technical Teachers' Training & Research, Chandigarh
(Ministry of Education, Government of India)

Dates :
10th – 14th October 2022

CHIEF PATRON
Prof. V. Venkata Ramana
Vice Chancellor
RGUKT Basar

PATRON
Prof. Satish Kumar Peddapalli
Director
RGUKT Basar

COURSE COORDINATOR
Dr. Mala Kalra
NITTTR Chandigarh

CONVENER
Mr. Sujoy Sarkar
Assistant Professor
HoD CSE, RGUKT Basar

NITTTR REMOTE CENTRE STC/FDP COORDINATOR
Mr. K. Ravikanth
Assistant Professor
R & D Coordinator – CSE, RGUKT Basar

Organized By :
Research and Development Lab, Department of Computer Science and Engineering, RGUKT, Basar

Rajiv Gandhi University of Knowledge Technologies, Basar

Nirmal District, Telangana State - 504107, INDIA. Website : www.rgukt.ac.in

Operational Plan No. ICT-130

Name of the Course : Data Science using Python

Course Outcomes

The participants will be able to
- Understand the fundamental concepts of Data Science
- Implement data cleaning, feature engineering and data visualization using Python
- Implement classification, clustering, ensemble learning and regression with Python
- Apply machine learning techniques in various domains

Course Contents

The participants will be able to
- Essentials of Data Science
- Exploratory Data Analysis
- Data Cleaning and Feature Engineering
- Data Visualization
- Classification Techniques
- Clustering Techniques
- Ensemble Learning, Boosting, Bagging, Decision Tree/Random Forest Classifier
- Data Analysis using Linear Regression and Logistic Regression
- Application of Machine Learning in Face Identification
- Diabetes Detection using Machine Learning

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Day Wise Schedule

Course Coordinator :
Dr. Mala Kalra

Resource Persons

MK: Dr. Mala Kalra, Assistant Professor, NITTTR, Chandigarh

RK: Dr. Rishemjit Kaur, Principal Scientist, CSIO-CSIR, Chandigarh

AY: Mr. Arpit Deepak Yadav, Senior Data Scientist, INSOFE, Bangalore

JS: Ms. Jagriti Saini, Founder and Owner, Eternal RESTEM, HP

RT: Mr. Ravikant Tyagi, Brain Mentors Pvt. Ltd., Delhi

GK: Dr. Gaurav Kumar, Director, Magma Research & Consultancy Pvt. Ltd., Ambala

DATE	10:30 a.m. to 12:00 p.m	12:00 pm to 1:30 pm	2:30 p.m. to 4:00 p.m
10.10.2022 (Monday)	Essentials of Data Science (RK)	Essentials of Data Science (RK)	Exploratory Data Analysis (MK)
11.10.2022 (Tuesday)	Data Cleaning and Feature Engineering (AY)	Practical Session (MK)	Data Visualization (AY)
12.10.2022 (Wednesday)	Classification Techniques (JS)	Practical Session (MK)	Clustering Techniques (JS)
13.10.2022 (Thursday)	Data Analysis using Linear Regression (MK)	Practical Session (MK)	Application of Machine Learning in Face Identification (RT)
14.10.2022 (Friday)	Ensemble Learning, Boosting, Bagging, Decision Tree/Random Forest Classifier (GK)	Diabetes Detection using Machine Learning (GK)	Valediction and Quiz (MK)

NOTE: For any more details kindly contact RGUKT,Basar- NITTTR REMOTE CENTRE STC/FDP Coordinator Mr. K. RAVIKANTH, Assistant Professor, Dept. of CSE on MOBILE: 9247448766 or EMAIL: ravikanth.iiit@rgukt.ac.in

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