



AICTE Training And Learning (ATAL) Academy Sponsored Online FDP

On

DATA SCIENCE USING PYTHON

(ATAL Application No.: 1584198095)

(2nd December to 6th December 2020)

Organized by

University College of Engineering, Kakatiya University, Kothagudem, Telangana

ATAL Academy:

AICTE Training and Learning (ATAL) Academy is established with the vision to empower faculty to achieve goals of Higher Education such as access, equity and quality. AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Government of India, Ministry of Human Resources Development. It understands the need of the training required for youth of Indian nationals in required skills and demand for skilled faculty members in various disciplines. Training is required for increasing the knowledge and skill set of faculties and students to make them more employable to acquire global competencies.

Kakatiya University, Warangal:

Kakatiya University was established on 19th August, 1976 to fulfill the aspirations of the Telangana people for higher education. It is located in the historical city, Warangal, the erstwhile seat of the Kakatiya rulers. The founding of the University was in fact a historic event that heralded a new era in the realms of higher education of this region.

The University, situated in a sprawling area of about 640 acres, has seven colleges on the campus, with a network of 18 constituents and 529 Affiliated colleges. The University is now offering 222 programmes in the University, constituent and affiliated colleges.

UCE (K.U), Kothagudem:

University College of Engineering, Kakatiya University (KU), a premier Government Technical Educational institution established in the year 1978 to impart the quality education to the engineering students in the eastern region of Telangana state, located at Kothagudem. Initially it was the constituent college of Osmania University, later shifted to KU with offering B. Tech and Ph.D programmes in Mining, CSE, EEE, ECE & IT,. The campus spread over 390 acres with lot of greenery.

Faculty Development Program:

Data science is a multi-disciplinary area that uses scientific methods, algorithms and systems to extract hidden knowledge and insights from data (Structured and Unstructured). It is the study of where information comes from, what it represents and how it can be transformed into a valuable resource in the creation of business and IT strategies. Mining large amounts of structured and unstructured data to identify patterns can help an organization in many ways. Data Science is confluence of mathematics, statistics and computer science disciplines, and incorporates techniques like machine learning, cluster analysis, data mining and visualization.

As Python programming language is framed for Data Science applications it is essential to visualize Data science applications using Python to ripe maximum benefits. Hence, it is important to bring awareness among researchers & academicians and train manpower on data science using Python programming to do innovative research, projects and to create knowledge base.

Objectives of the Programme:

- ✓ To disseminate the knowledge of data sciences among faculty, researchers and academicians.
- ✓ To provide conceptual understanding of how data sciences can be used to innovate and improve business processes.
- ✓ The create awareness and interest in Python programming among students, and researchers.
- ✓ Train manpower in the field of data sciences to fulfill the growing necessity of various organizations.
- ✓ To focus on providing the researchers and students insight of overall components of data science.

FDP Topics :

- Introduction to Data Sciences Concepts
- Data structures in python
- Reading and writing different kinds of data formats in Python
- Data Pre-processing using Python
- Machine Learning-Techniques
- Visualization of Data
- Neural network models and Deep Learning
- Introduction to Data Security
- Hands-on Session on the Python and Data visualization.
- Research Issues and Challenges

Who should attend

The programme is open to faculty of AICTE approved institutions and Research scholars and PG Students of Engineering of Computer Science Engineering, other allied disciplines in India.

Resource Persons:

Academicians from IITs / NITs / IIITs/Central Universities in concerned field are invited to deliver lectures in the programme. Speakers from industries are also expecting to deliver as part of the course.

Registration Fee & Other Details:

Registration is allowed from ATAL academy website only and Course Registration is free for all participants. Seats are limited and selection is based on the first-come-first-serve and as per the guidelines of ATAL academy.

The Mode of FDP is online and E-certificate will be provided by AICTE ATAL to those participants with **minimum 80%** attendance and **minimum 60%** marks in the test.

Registration Link:

<https://atalacademy.aicte-india.org/signup>

Important Dates:

Last Date of Registration: 29th November, 2020.

Intimation Date: 30th November, 2020.

Event Date: 2nd - 6th December 2020.

Chief Patron

Dr. B. Janardhan Reddy,
Hon'ble Vice Chancellor, Kakatiya University,
Warangal

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