

5 Days Faculty Development Programme
on
Data Analytics And Computation Using Python
(22-26 May 2018)

Sponsored by
Dr. A.P.J. Abdul Kalam Technical University
Lucknow, Uttar Pradesh

Organized By
GLBAJAJ Institute of Technology and Management
Plot No. 2, Knowledge park –III, Greater Noida, www.glbitm.org

Application Form

Name: _____

Designation: _____

DOB Gender: Male Female

Category: Academicians Industry Other

Address: _____

Mobile No:

Email: _____

Name & Address of Organization: _____

Accommodation Required _____

Signature & Date:

Applicant

Head of the Institution with seal

Chief Patron (s)

Prof. (Dr.) Vinay Kumar Pathak
Hon'ble Vice Chancellor
Dr. APJ Abdul Kalam Technical University,
Lucknow

&

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Director, GLBITM

FDP Convener

Dr. Madhu S Gaur
Head of Department, Dept. of MCA

FDP Coordinator

Mr. Gaurav Bhatia, Associate Professor
Mr. Deepak Gupta, Assistant Professor

FDP Organizers

Mr. Sandeep Srivastava, Assistant Professor
Mr. Rama Shankar Yadav, Assistant Professor
Mr. Lalan Kumar, Assistant Professor
Mr. Vivek Sharma, Assistant Professor

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A Five Days
Faculty Development Programme
on

Data Analytics & Computation Using



May 22 to 26, 2018

Sponsored by:
Dr. APJ Abdul Kalam Technical University
Uttar Pradesh, Lucknow



Organised by:



GLBAJAJ
Institute of Technology & Management

FIND YOUR SPARK

Approved by ACTE, Ministry of HRD, Govt. of India
and affiliated to AKTU, Lucknow.

Deptt. of Master of Computer Applications

About the Institute

GL Bajaj Institute of Technology and Management is a self financed institute, governed by Rajeev Memorial Academic Welfare Society (Registered Under Societies Registration Act 1860), Approved by ACTE, & affiliated to AKTU, Lucknow, is one of the quality driven Educational Institute in the Greater Noida/Delhi-NCR Region. GL Bajaj stands out in its approach to assist and equip the students for their overall development, giving them a strong foundation for a successful future. The institute offers B.Tech, M.Tech (CSE), MBA, MCA courses

About Department

The Department of Master of Computer Application at GL Bajaj Institute of Technology & Management started in the year 2006 with a vision “To become a centre of repute and developing computer professionals who can respond to social and global challenges”. The Department focuses on the attainment of professional excellence by providing acquaintance with new IT tools and technologies. The department focuses on the capacity building, educating the educators as per emerging trends and industry expectations to meet local and global challenges.

About the Programme

Five day Faculty development program on Data Analytics and Computation using Python, is aimed to enrich the skills of faculty and researchers with fast growing demand of predictive modelling techniques and algorithms to develop applications. Python is an open source programming language that supports multiple programming paradigms, including object-oriented, imperative & functional programming styles.

- The programme will provide complete hands on sessions for learning Python, understanding of data analytics and application development.
- The FDP will provide a platform to educators to enhance their research skills on data analytics and computation using Python scripts.
- It will provide a better understanding to apply the results based on statistical & data theories and implementation in the different areas of science & engineering.

Objective of FDP

The objective of the FDP is to equip teachers/professionals with skills and essential knowledge for research and application development based on data analytics and computation techniques in various domains.

FDP SCHEDULE

Day 1

Inauguration of FDP-DACP2018

- Introduction to Python for Data Analysis
- Overview of Python 2.7 v/s 3.4
- Writing and executing Simple programs in Python
- Python Iteration and Conditional Constructs
- Python libraries and data structures
- Using and defining functions.
- Manipulating objects
- Exploratory analysis in Python

Day 2

Introduction to data Analytics

- Introduction to series and data frames
- Analytics dataset
- Importing data from other file types
- Working with relational databases in Python
- Using principal component analysis to simplify data
- Simplifying data with decomposition

Day 3

Building a Predictive Model in Python

- Identifying the phases of Data Analytics workflow
- Splitting datasets one feature at a time: decision trees
- Classifying with probability theory: naïve Bayes
- Logistic regression
- Support vector machines
- Random Forest
- Data Migration, Munging, Aggregation & Visualization

Day 4

Application based on Predictive Data analytics

- Data analytics using Python for Applications like Healthcare, HR, Aviation, Construction, Sales etc.
- Hands-on session on ML algorithms.

Day 5

Overview of additional tools

- Other aspects of Data Analytics.
- QA session
- Valedictory talk and certificate distribution

Who can Attend

The Programme is open to the faculty members of AICTE/UGC approved Engineering Institutions/R&D Labs and research scholars interested in the area of data analytics and Python The interested persons should email the duly filled application form approved by competent authority by 15th May, 2018 to fdpDACP18@glbitm.org, Participants would be intimated through email by 18th May, 2018.

Registration & Accommodation

Applications are invited from Faculty Members/ Research Scholars from Institutions & Industry Personnel working in the concerned discipline to attend the Faculty Development Programme on Data Analytics & Computation Using Python.

- *There is No Registration Fees.*
- *No TA/DA will be paid to the participants.*
- *Accommodation will be available on paid basis.*

FDP Date: 22nd to 26th May, 2018

Last Date of Registration: 15th May, 2018

(Online Registration Link will be opened from 10.05.2018 on College website, www.glbitm.org)

Venue:

GLBAJAJ Institute of Technology & Management
Plot No. 2, Knowledge Park-3, Greater Noida-201306 (U.P.)

For any other further queries please contact:

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Mr. Deepak Gupta (Mob. 9990618381)

How to Reach?

