ABESIT

Department of CSE and IT

Date: July 5, 2018

NOTICE

It is to inform all the faculty members that department of CSE/IT is organizing a workshop on "PYTHON". This three day course is an introduction to Python for Data Science. The course is open to all learners who hope to gain an understanding of the basic components of Python programming for research.

The schedule is as follows:

Duration of Workshop: 3 Days (17/07/2018 to 19/07/2017)

Timing of Sessions: 9:30 AM to 4:30 PM (All Days)

Resource Persons: Dr. Avinash Dwivedi, Mr. Ashish Kumar Chakraverti & Ms. Faraj Chishti

Venue of Workshop: 6F03

Program Coordinators:

1. Mr. Ashish Kumar Chakraverti
2. Ms. Faraj Chishti

for RKChau

(Prof. (Dr.) Dilkeshwar Pandey), HoD, CSE

05/07/18

(Prof. Bipin Kumar Rai), HoD, IT

Copy to-

For kind information please:-

1. Hon'ble Managing Trustee Sir
2. Hon'ble Advisor Sir

For information & necessary action:-

3. Prof. (Dr.) Bhavesh Kr. Chauhan, Director (e-mail)
4. Prof. (Dr.) S.S. Chauhan, Deputy Director/ Dean-Academics (e-mail)
5. Prof. S.B. Bajpayee, Proctor (e-mail)
6. Mr. R.K. Yadav, Service Department
7. Head-Department of IT/ECE/EEE/ME/ CE/Applied Science (e-mail)
8. Faculty & Technical Staff (e-mail)
9. Mr. Nitin Jain (e-mail)
10. Mr. Sachin Sharma, Chief Accountant (e-mail)
11. ABESIT Server Room/Website
12. Record Room-ABESIT
13. Mr. R.C. Sharma Registrar (e-mail)

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Workshop on Python

By

Department of CSE/IT

Course start date: Jul. 17, 2018

Course end date: Jul. 19, 2018

Prerequisite: Knowledge of programming fundamentals.

You will learn basic concepts and terminologies such as variables, operators, expressions, conditional statements, loops, and functions, function and packages for data science and research. Lessons include notes, solutions, references, tables, and exercises. The exercises in each lesson are based on interactive hands-on questions and programming practices.

Note: All the participants are required to bring their own laptops for good outcome of workshop.

Schedule of Workshop

Sessions	9:30 AM To 11:10 AM	11:10 AM To 11:20 AM	11:20 AM To 01:10 PM	01:10 PM To 02:10 PM	02:10 PM To 03:20 PM	03:20 PM To 03:30 PM	03:30 PM To 04:30 PM
Day 1	Installing Python, Python Basics, Your First Program	TEA BREAK	Using the IDE, Variables and Identifiers, Get Input from User, Operators, List Basics, Conditionals, List Basics.	LUNCH	Loops, Function, List Methods, Default Index, Negative Index.	TEA BREAK	Strings, String Methods.
Day 2	Review of Day 1, Dictionaries		Tuples		Functions and Packages for Data Science		Numpy
Day 3	Review of Day2, Matplotlib		Control Flow and Pandas		Introduction of Python for research		Packages for research

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Learning Outcomes

Upon completing this course you will be able to:

1. Understand Python programming construct
2. Program algorithms like searching, sorting etc.
3. Make the program for data processing, by using dictionaries and tuples.
4. Make the program to generate graphs for given data or calculated data.
5. Chose the python as programming language for your research.