ABOUT ELECTRONICS & ICT ACADEMY AT PDPM IIITDM JABALPUR

The Ministry of Electronics and Information Technology, Government of India, has instituted seven Electronics and ICT Academies with one academy at PDPM IIITDM Jabalpur. The primary objective of the Academy is to prepare manpower for two important missions - ‘Digital India’ and ‘Make in India’. The Academy aims at scalable training programmes in niche areas of Electronics and ICT for the development of required knowledge base, skills, and tools to unleash the talent of the Indian population. In addition to the faculty development programmes on fundamental and advanced topics, the Academy conducts customized training programmes for the corporate sector and research promotion workshops in emerging areas. The Academy is envisioned to become a central hub of activities on training, research, consultancy work, and entrepreneurship programmes.

ABOUT PDPM IIITDM JABALPUR

PDPM IIITDM Jabalpur was established in 2005 with a focus on education and research in IT-enabled Design and Manufacturing. Since its inception, PDPM IIITDM Jabalpur has been playing a vital role in producing quality human resources for contribution in India’s mission of inclusive and sustainable growth. The Institute offers undergraduate, postgraduate and Ph.D programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Design and Ph.D programmes in Mathematics, Physics and Literature. Under IIT act, the Institute has been declared as an Institute of National Importance in January 2015. The Institute campus is being developed on 250 acres of land close to Dumna Airport, Jabalpur. The Institute is 10 km from the main railway station and 5.5 km from Dumna Airport, Jabalpur.

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Two Weeks Online Faculty Development Programme on

Python Programming

(Endorsed by AICTE/UGC/NBA)

September 07th – 18th, 2020

Seamless Learning Opportunities
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ABOUT UCE, BIT CAMPUS, ANNA UNIVERSITY, TRICHY

University College of Engineering, BIT Campus, Anna University, Tiruchirappalli is a technical university department of Anna University. The Vision of the Institute is to transform students into competent professional and responsible citizen by focusing on assimilation, analysis, synthesis and dissemination of knowledge to meet the societal needs. It offers higher education in Engineering, Technology, Management and allied sciences at undergraduate, postgraduate and doctorate level. The main campus is situated in the southern part of Tiruchirappalli and extends over 354 acres (1.43 km²).

ONLINE FACULTY DEVELOPMENT PROGRAMME ON PYTHON PROGRAMMING

Who can attend: Programme is open to faculty from all colleges and universities preferably from the states of Madhya Pradesh, Chhattisgarh, and Maharashtra. Faculty members from other states are also eligible. Industry personnel working in the concerned/allied discipline may also apply. Limited seats are available for research scholars.

How to apply:
Application format may be downloaded from the website (Also given in this brochure). Print out of the filled-in application form duly endorsed by the forwarding authority, and a online payment of the applicable amount (as given below) may be sent to the address given below.

Course Fee Details:
Academic (Student/Faculty) : 500 INR
Others: 1000 INR
50% discount for SC/ST participants

Online Payment Details:
Bank Name: Indian Bank
A/C No.: 50302042708
IFSC Code: ALLA0212433
Branch Name: Mehagawan, IIITDM Branch

COURSE CONTENTS

History of Python.
Installing Python, Executing Python Programs, Internal Working of Python,
Python Character Set, Token, print() function, Assigning Value to Variable, input() function, eval() function, Formatting Number and Strings, Operators and Expressions
Python Core Data Type, str class, Inbuilt functions for String, index[] operator, traversal of String, String operators, String Operation
Boolean Type, Boolean Operators, Using Number and Strings with Boolean Operators, Decision Making Statements and Conditional Expressions
While loop, range( ) Function, For Loop, Nested Loops, Break Statement, Continue Statement
Syntax and Basics of a Function, Use of a function, Parameters and Arguments, Return statement, Local and Global Scope Scope of a Variable
Recursive Functions.
Creating Lists, Basic list operators, Slicing, Inbuilt functions for Lists, List operator, List Methods, Splitting, Need of Dictionary, Creating a Dictionary, Adding and Replacing Values, Retrieving Values ; Deleting Items and Traversing Dictionaries.
Tuples and Sets: Creating Tuples; Tuple () Function, Inbuilt Functions for Tuples, Indexing and Slicing; Operations on Tuples; Traverse Tuples from a List, Set operators
Exception Handling
File Handling: Need of File Handling, Reading/Writing Text and Numbers to/from a File, Directories on a disk.

RESOURCES PERSONS

1. Prof. Aparajita Ojha, IIITDMJ
2. Dr. Arka P. Mazumdar, MNITJ
3. Dr. Emmanuel S. Pilli, MNITJ

APPLICATION FORM

Name of the Course / Programme: Two Weeks Online Faculty Development Programme on Python Programming
Name of the Applicant (first, last) : ........................................

Gender : M / F / T Category: GEN/SC/ST/OBC
Designation: .................................................................
Organization / Institute / College:
..................................................................................
Contact Address:
..................................................................................
..................................................................................
E-mail:

Mobile Number:

Payment Details:

Online Payment Receipt No.: Date:

Signature of the Applicant
I hereby agree to relieve Mr./Ms./Dr.................................. in case she/he is selected to attend the programme.

Signature & Seal of the Forwarding Authority

Name:..................... Designation:.....................

Contact us
Dr. A. Valarmathi: +91 - 99409 - 71342
Email: valar1030@yahoo.com