ACROPOLIS
Enlightening Wisdom

Faculty Development Program On

DATA SCIENCE
(UNFOLD THE LAYERS OF KNOWLEDGE)

5th – 9th Feb 2018

Acropolis Institute of Technology & Research

Organized By:
Department of Computer Science & Engineering

Under the Aegis of
E & ICT Academy, IIITDM, Jabalpur
An initiative of Ministry of Electronics
& Information Technology Government of India

CHIEF PATRONS

Mr. Ashok Sojatia
Chairman BOG, Acropolis Group
of Institutions, Indore

Prof. S.G. Deshmukh
Officiating Director, PDPM IIITDM, Jabalpur
and Director, ABV IIITM, Gwalior

PATRONS

Mr. Ashish Sojatia
Group Chairman, Acropolis Group
of Institutions, Indore

Mr. Gaurav Sojatia
Chairman, Acropolis Institute
of Technology & Research, Indore

Mr. Anand Sojatia
Secretary, Acropolis Group of Institutions, Indore

ADVISORY COMMITTEE

Prof. M.K. Dube
Vice Chairman, Acropolis Group
of Institutions, Indore

Dr. Shamsher Singh
Vice Chairman, Academics,
Acropolis Group of Institutions, Indore

Dr. S.C. Sharma
Director, Acropolis Institute
of Technology & Research, Indore

CO-ORDINATORS

Dr. Sanjay Bansal
Professor & Head, CSE Department,
Acropolis Institute of Technology
& Research, Indore

Dr. Shilpa Bhalerao
Professor, CSE Department,
Acropolis Institute of Technology
& Research, Indore

Prof. Aparajita Ojha
Professor CSE & Chief Coordinator,
E&ICT Academy, IIITDM, Jabalpur

ORGANIZING COMMITTEE

Dr. Abhay Kothari | Dr. Amit Khare | Prof. Preeti Jain

CONTACT US:

Prof. Deepak Agrawal
deepakagrawal@acropolis.in
Mob.: +91 8602791971

Prof. Rahul Moriwal
rahulmoriwal@acropolis.in
Mob.: +91 9893788513

ACROPOLIS
Enlightening Wisdom

Department of Computer Science
Acropolis Institute of Technology & Research

Registration Form

Submit Scanned copy of DD/Bank Trans. Along with this filled-up form
to ensure your participation

Name	:	_____
Designation	:	_____
Category	:	_____
Qualification	:	_____
Department	:	_____
Organization	:	_____
Mobile	:	_____
E-mail	:	_____
Experience (Teaching/ Industry)	:	_____
Amount	:	_____ (Online/DD)
Date	:	_____
DD/ Transaction No	:	_____
Bank Name & Branch	:	_____
Objective of Attending : the Workshop		_____
		_____

Signature of the Candidate

Sponsorship Certificate

Mr./Ms. _____ Designation _____

has been permitted to attend all session of the FDP during the period from 5th

February 2018 to 9th February 2018 at AITR, Indore.

Officialseal

Signature
(Head of Institution)

About Acropolis Group of Institutions

Acropolis Group is pioneer in Education sector of Indore. It has been established in 2005. Acropolis Group of Institutions consists of following institutes:
- Acropolis Institute of Technology & Research
- Acropolis Faculty of Management & Research
- Acropolis Technical Campus
- Acropolis Institute of Management Studies & Research
- Acropolis Institute of Pharmaceutical Education & Research

About Acropolis Institute of Technology & Research

Acropolis Institute of Technology and Research is started with vision to be an academic leader for the development of human potential so as to meet the global challenges. We, the each institute, community members from teachers and researchers to other staff members and students at Acropolis, aspire to establish a system of quality assurance, which would on a continuous basis evaluate and monitor the quality of education and training imparted at the institute, improve the teaching and learning process and ultimately develop the institute as a center of excellence. We will, thus, be contributing to the growth of quality technical education.

About Department of Computer Science & Engineering

The department strives to produce competent and qualified computer professionals and researchers to serve the community and profession with moral values and ethics. Department is running undergraduate course BE and Master course M.Tech. Curriculum of courses is same as given by RGTU Bhopal. Apart from this curriculum department provides facility to update student's skills & knowledge as per the requirement of industries in the form of certification courses like Oracle, Microsoft, EMC2 etc.
Department has organised many workshops on latest and cutting edge technologies like Big Data, Hadoop, IOS, Andriod, Ruby on Rails. Department has many tie-ups with the industry to help students get Industrial trainings as a part of their curriculum and also helps them getting placements.

About Elctronics & ICT Academy, IIITDMJ

Ministry of Electronics & Information Technology, Government of India has instituted seven Electronics & ICT Academy with one Academy at PDPM IIITDM Jabalpur with the primary objective preparing manpower for two important mission- 'Digital India' and 'Make in India'. The Academy aims at the design and implementation of scalable training program in niche area of Electronics & ICT for the development of required knowledge base, skills and tools to unleash the talent of Indian population. The Academy at PDPM IIITDMJ runs high quality specialized courses for faculty, students and unemployed graduates. In addition, the Academy conducts customized training program and research promotion workshops for corporate sector and educational institutions. The Academy is envisioned to become a central hub of activities on training, consultancy work and entrepreneurship programs

Objectives

In last few years, world has witnessed as explosion of quantity and wide variety of data produced or as by product of digital services. The analysis of huge data is highly important in field in government, marketing, medicine, finance , business and beyond. Therefore, course objectives are:

- Enlighten the concept of Data Science such as Machine Learning, Data Visualization, R Language etc.
- To learn the fundamental of Data Science and generate the interest of audience in research issues in data science.
- To command on theory and hands on practice on R language.

Expected Outcomes

Enhancement of Knowledge in Data Science, awareness of tools for implementation in problem solving so as to address challenges in data science and provide research orientation in this field.

Prerequisite

Basic programming concept, Basic Mathematics and Statistics.

Course Content

About Data Science, its requirements, state-of-art, perspectives, Big Data Concept, component of Data Science, Populations and samples, Statistical modeling, Linear Regression probability distributions, Fitting a model vectors, Matrices, and all the operations Introduction to R . its Installation, purpose, functions EDA, EDA tools its Philosophy, process of Data science with case study Regression, KNN and K-means Feature Generation (brainstorming, role of domain expertise, and place for imagination) - Feature Selection algorithms – Filters; Wrappers; Decision Trees; Random Forests Basic principles, ideas and tools for data visualization, Examples of inspiring (industry) projects - Exercise: create your own visualization of a complex dataset

Resource Persons

Experts from Well-Known Premium Institutes:
Dr. Madhukar Dayal, Associate Professor, Information Systems. IIM, Indore.
Dr. Maya Ingle Professor, SCS & IT DAVV, Indore.
Mr. Siddharth S. Tungare, Data Scientist.
Mr. Animesh Kumar, Cofounder, 47-Billion.
Dr. Aradhana Goutam Associate Professor, IES Management College & Research Center, Mumbai.

Who Should Attend

This program is open to faculty and research scholars from all the college and universities. Industry personnel working in the concerned/ allied discipline may also apply.

How To Apply

Interested candidates can fill the online form available at www.aitr.ac.in or download and send the complete application form along with the scanned copy of the DD/ Online transaction detail as registration fee through mail on or before 30th January 2018.

Registration Fees

1. Faculty & Research scholar
   Gen/OBC - Rs. 1000/-,SC/ST Rs. 500/-
2. Industry Person: Rs. 5000/-

Online Payment Details

Acropolis Institute of Technology and Research, Indore

Account Number 1936005700000050

INDORE, JAWAHAR MARG, INDDORE

City: INDORE

IFSC Code: PUNB0193600

Boarding and Lodging

Facilities will be made available upon prior request with applicable charges. Participants must inform for the same before 30th January 2017.

Contact Person:
Prof. Ritesh Khedekar
riteshkhedekar@acropolis.in
Mob.: +91-98266-40142