



Department of Computer Science and Engineering  
**Jaypee Institute of Information Technology, Noida**  
**Faculty Development Programme**

on  
**Data Science in the Digital Era (DSDE)**  
**July 9<sup>th</sup> – 14<sup>th</sup>, 2018**

The recent technological developments in the field of data science promise big paybacks in real world. Nevertheless, managing and processing huge volumes of data and attaining significant insights is a major challenge faced by the data science community in diverse domains such as health care, education, medicine, Internet searches, finance and business informatics, scientific computing and so on. Regardless of substantial advancements in storage capacity and computation power, issues hang on in recognizing, clustering, classifying, and interpreting a big spectrum of information. The purpose of this FDP is to educate and provide a forum for exchanging ideas and information on current research studies, challenges, system developments, and practical experiences in the Data Analysis, Machine Learning, Social Network Analysis, Programming Environments and High Performance Computing etc.

### **ABOUT US**

Jaypee Institute of Information Technology (JIIT), Noida was established in the year 2001 and has been declared as a “Deemed to be University” under Section 3 of UGC Act 1956. The university is accredited by the National Assessment and Accreditation Council (NAAC) of the UGC, recognised by the All India Council of Technical Education(AICTE) and listed in NIRF (MHRD) ranking 2016, 2017, 2018. JIIT’s state-of-the-art & environmentally conditioned campus comprises smart buildings with Wi-Fi connectivity covering the Academic Block, Business School cum Research Block, Faculty Residences, Student Hostels and Annapurna. Well equipped modern laboratories and an intellectually stocked Learning Resource Centre provide a pleasant and stimulating ambience. For more info visit: <http://www.jiit.ac.in>

### **RESOURCE PERSONS**

Eminent academicians affiliated to IITs, NIT’s, IIIT’s, JNU, JIIT and Industry experts will deliver the sessions with practical demonstrations.

### **PROGRAMME HIGHLIGHTS**

- ❖ Following broad areas would be focused in the FDP
  - Models and Frameworks for Big Data
  - Programming Models and Environments to Support Big Data
  - Software and Tools for Big Data
  - Big Data Base Management and Frameworks
  - Cyber-infrastructures and System Architectures for Voluminous Data
  - Algorithms for Enhancing Data Quality
  - Data-Intensive Computing
  - Grid and Stream Computing for large data
  - High Performance Computing
  - Massively Parallel Processing (MPP) Databases
  - Explorative and Visual Data Mining
  - Mining Large Scale Data
  - Social Network Analysis

## HOW TO APPLY?

To register for this FDP, the applicant is required to fill in registration information online at <https://goo.gl/forms/ljMImJ2V8Fzuta5B2> before registration deadlines.

The applicant need to **pay through NEFT** to the beneficiary using details:

**Beneficiary Account Name:** Jaypee Institute of Information Technology.

**Account number:** 910010050443719 **Bank Name:** AXIS bank

**IFSC-Code:** UTIB0000372 **Bank Address:** Karkardooma, Delhi

- The Registration fee is **Rs. 2500/-** per participant.
- Registration fee is waived for the participant from JIIT and its sister institutions
- Last date of registration extend to **5th July, 2018**.
- The participants have to bear their own travelling and accommodation expenses.
- Accommodation can be provided on first come first serve basis to the participants, based on the availability of rooms in the institute Guest House and Hostels on nominal payment basis.
- The registration fee covers High Tea, Working Lunch, and Study Material.

## WHO CAN PARTICIPATE

The program is open for all the faculty members and research scholars working with the Engineering Institution in the INDIA.

## ORGANIZING COMMITTEE

**Convener :** Prof. Krishna Asawa

**Organising Committee :** Dr. Shikha Mehta

Mr. Rajupal

Ms. Akanksha Bhardwaj

Ms. Kritika Rani

Ms. Anuradha

## VENUE

Jaypee Institute of Information Technology,

Jaypee Green Wish Town,

Sector-128, PIN 201304

Noida (UP)

## HOW TO REACH

**Metro:** The station closest to the Sector 128, Noida campus of the JIIT is Botanical Garden, Noida. Autos and Cabs are available from there.

**Railway Station :** Hazarat Nizamuddin, New Delhi Railway Station and Old Delhi railway station connect Noida to the Indian Railway Network.

## CORRESPONDENCE ADDRESS

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**For any further information / assistance you may contact -**

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Department of Computer Science and Engineering  
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 Tentative Programme  
 Data Science in the Digital Era(DSDE), July 9-14, 2018

<b>DAY 1 - July 9<sup>th</sup>, 2018</b>	
10:00-10:30	Registration
10:30-11:00	Inaugural Ceremony
11:00-11:30	High Tea
11:30-12:30	Mobile Computing, Internet of Things, and Big Data Analytics for Urban Informatics, Dr. Anirban Mondal, Ashoka University, Sonapat
12:30-13:30	Lunch
13:30-14:00	Open Discussion
14:00-15:00	Role of Data Analytics in Transformation of Business Processes in the Age of Digitalization, Mr. Alok Luthra, Data Analyst, Mercer India
15:00-15:10	Tea
<b>DAY 2 - July 10<sup>th</sup>, 2018</b>	
10:00-11:00	Big Data Base Management and Frameworks-PART I , Dr. Bharat Singh, Machine Learning Engineering, BGOS IT Services GERMANY
11:00-11:30	High Tea
11:30-12:30	Big Data Base Management and Frameworks- PART I, Dr. Bharat Singh, Machine Learning Engineering, BGOS IT Services GERMANY
12:30-13:30	Lunch
13:30-15:30	LAB SESSION ON - Explorative and Visual Data Mining, Dr. Moonis Shakeel, Jaypee Business School, JIIT, Noida
15:30-15:40	Tea
<b>DAY 3 - July 11<sup>th</sup>, 2018</b>	
10:00-11:00	Big Data Base Management and Frameworks - PART II, Dr. Bharat Singh, Machine Learning Engineering, BGOS IT Services GERMANY
11:00-11:30	High Tea
11:30-12:30	Big Data Base Management and Frameworks- PART II, Dr. Bharat Singh, Machine Learning Engineering, BGOS IT Services GERMANY
12:30-13:30	Lunch
13:30-14:00	Open Discussion
14:00-15:00	Security and Privacy Issues In Big Data, Dr. Rahul Katrya, Delhi Technological University, Delhi
15:00-15:10	Tea
<b>DAY 4 - July 12<sup>th</sup>, 2018</b>	
10:00-11:00	Deep Learning in Big Data Analytics, Prof. Ramesh Agrawal, Jawaharlal Nehru University, Delhi
11:00-11:30	High Tea
11:30-12:30	Data Preprocessing in Big Data, Dr. Archana Purwar, JIIT Noida
12:30-13:30	Lunch
13:30-15:30	LAB SESSION ON - HADOOP Based Frameworks And Programming Models For Big Data, Dr. Parmeet Kaur, JIIT, Noida
15:30-15:40	Tea
<b>DAY 5 - July 13<sup>th</sup>, 2018</b>	
10:00-11:00	Influence Maximization on Social Network: The State of the Art and the Gaps that Remain, Dr. Sayan Ranu, IIT Delhi, Delhi
11:00-11:30	High Tea
11:30-12:30	Assesing Trust in Online Social Networks, Dr. Hema Banati, University of Delhi, Delhi
12:30-13:30	Lunch
13:30-14:00	Open Discussion
14:00-15:00	Socio Economic Aspects of Social Media, Mr. Alok K Singh, Business Strategic HR Head, Forumindia, Delhi
15:00-15:10	Tea
<b>DAY 6 - July 14<sup>th</sup>, 2018</b>	
10:00-11:00	Knowledge Representation Using Ontologies in Semantic Web, (Dr.) Sanju Tiwari, NIT Kurukshetra
11:00-11:30	High Tea
11:30-12:30	Validictory Session
12:30-13:30	Lunch

**VENUE : LT4, JIIT-128 Campus, Jaypee Wish Town, Sector 128, NOIDA**  
 Contact @: Prof. Krishna Asawa, Convener (DSDE)-9811445710  
 Dr. Shikha Mehta , Organising Secretary (DSDE)-9871486192