

About the Institute

Established in the year 2001, JIIT, Noida is a “Deemed to be University” under Section 3 of UGC Act 1956. The institute is AICTE approved, NIRF (MHRD) and NAAC accredited for excellence in teaching and research. For more information about the JIIT, please visit the website at <http://www.jiit.ac.in>

Course Background and Objective:

Graph analytics facilitates in analyzing the relationships between disparate data points to build context and offer insights to make better decisions. Organizations leverage graph models to gain insights that can be used in many ways. They are increasingly using this technology to enable flexible data science. Graph analytics has been evolving and becoming a standard tool to analyze complex relationships. Graph analytics can be applied in wide range of areas such as social media analysis, marketing, contact tracing, fraud detection, resource management, genome research and many more. It is important to bring awareness among researchers & academicians and train manpower on Graph based analytics to do innovative research work, projects, and create a knowledge base. This programme will provide the knowledge of the Graph analytics theory and Hands on experience with tools such as python, NodeXL, Gephi etc that support analytics. Also, it will provide exposure to the effective approaches to solve wide range data science problems in different application domains.

Course Content:

- Fundamentals of graphs analytics
- Large-scale graph analytics
- Graph Partitioning
- Dynamic graph processes such as diffusion, contagion, and opinion formation
- Linear Algebra and Graphs
- GPU based Graph Processing
- Working with Neo4j
- Working with NodeXL and Gephi

Resource Persons:

Dr. Anurag Goel, DTU, New Delhi.

Dr. Jaspal Saini, IIIT UNA, HP.
Dr. Jyoti, Thapar University, Patiala.
Dr. Anshu Parashar, Thapar University, Patiala.
Dr. Hemant, Research Associate, GE.
Dr. Vijay Kumar, NIT Hamirpur.

IILC Coordinator

Prof. Krishna Asawa

FDP Coordinators:

Dr. Neetu Sardana (9811354407)
Dr. Amarjeet Prajapati (8950775885)
Dr. Vikash (9717568587)

How to Register:

(A) Registration fees

- | | |
|-----------------------------------|------------|
| a. Industry | : INR 1000 |
| b. Academician | : INR 500 |
| c. Research scholar and students: | INR 250 |

How to Pay: (online mode)

NEFT:

Account Name: Jaypee Institute of Information Technology, Sec 62, Noida.
Bank name: ICICI bank
Account Number: JIITFDPCE22
IFSC Code: ICIC0000104
Branch Name: CMS Mumbai.

Note:

For ICICI Bank user, add payee under “Other Banks”
For any query mail to fees@jiit.ac.in
UPI payment through Wallet (Phonepe, paytm etc) not applicable.

Registration: The Participants are requested to register in the link given below:

<https://forms.gle/bXjxvysLRCfZRKdw9>

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

(Deemed to be University)

(AICTE approved, NIRF (MHRD) and NAAC accredited)

A-10, Sector-62, Noida-201309, Uttar Pradesh



Online Faculty Development Program

On

Graph Analytics Applications 25-30 July 2022

Organized by
Department of Computer Science and
Engineering &
Information Technology
(under the aegis of IILC)

Who Should Attend

This FDP will be highly helpful for faculty members, research scholars, MTech., BTech. students who are actively involved in research in various universities/colleges.