

## About Jain University

Jain (Deemed-to-be University) believes in nation building through education, it has the vision to foster human development through excellence in quality education, research & Entrepreneurial development. JGI is a cerebral destination that draws inspiring students from more than 35 countries to one of the world's greatest cities – Bangalore. Our education empowers individuals to challenge conventional thinking in pursuit of original ideas for those Students, who have an inclination to excel their career and become hardcore experts in their area of interests.

## About Department of Mathematics

Department of Mathematics established in 2005, has qualified and dedicated faculty. The Department of Mathematics is at the forefront in laying a strong foundation and focuses on delivering quality education for meeting the global challenges of science and technology. Since its inception in 2005, the department has been engaged in imparting quality academic education and has focused on research to address key scientific problems. The Department's objective is to generate a human resource of exceptional quality who are capable of progress and advancement in science and technology. The Department has a spectrum of bachelor supporting programs to produce engineers and scientists with high professional competence who can undertake research. The faculty members have contributed to numerous

research articles in peer-reviewed National and International journals.

## About FDP

Machine learning and computation have outreached to a new horizon in the recent years and it becomes quite preconditioned to make oneself updated with contemporary techniques and technologies. In this context, Department of Mathematics, Faculty of Engineering and Technology, Jain Deemed-to-be University organizes a Six-day FDP **on Python for Computational Mathematics and Machine Learning** and invites the Faculty, Research Scholars and Industry Persons to enhance their skills.

## Target Audience

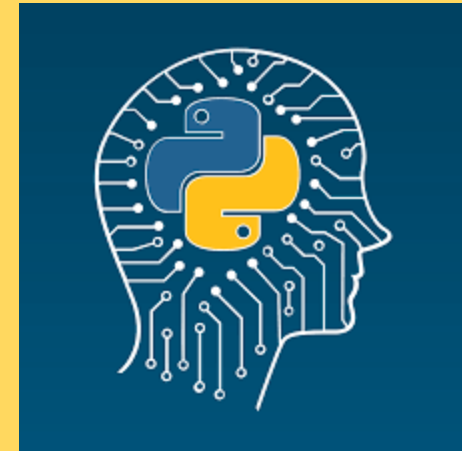
This FDP will be based upon a hands-on approach. Faculty, Research Scholars, and Industry Persons can participate.

## FDP Objective

The objective of this hands-on FDP is to give insight to Python for Computational Mathematics and Machine Learning and provide hands-on experience in selected applications. This can help to solve complex and dynamic real-time problems. This FDP provides an opportunity for learning from the researchers and faculty members.



## A Six-day FDP on Python for Computational Mathematics and Machine Learning 24-June to 22 July 2022 (1:15 PM to 3:45 PM on every Saturday)



Organized  
by  
Department of Mathematics,  
Faculty of Engineering and Technology, Jain  
University  
Accredited by AICTE and Approved by  
NAAC-UGC  
Jakkasandra Post, Bangalore, 562112  
Karnataka, India

### Chief Patrons

**Dr. Chenraj Roychand**

Hon'ble President and Chancellor, Jain University Trust

**Mr. Ravindra Bhandary,**

Vice President, JGI

### Patrons

**Col (Hony.) Dr. N Sundararajan**

Hon'ble Pro Chancellor, Jain Deemed-to-be University.

**Dr. Raj Singh**

Hon'ble Vice Chancellor, Jain Deemed-to-be University.

**Dr. Easwaran Iyer**

Hon'ble Pro Vice Chancellor, Jain Deemed-to-be University.

**Dr. Hariprasad SA**

Director, Faculty of Engineering and Technology,  
Jain Deemed-to-be University.

### Advisory Committee

**Prof. N.V.H. Krishnan**

Registrar, Jain Deemed-to-be University

**Prof. K.R Sridhara Murthy**

Director (Academic and Planning),  
Jain Deemed-to-be University

### Conveners

**Dr. Anitha Chaturvedi,**

Professor, Basic Science-CSSP.

**Dr. Kokila Ramesh,**

Assistant Professor, FET.

### Outcomes

At the end of FDP, participants will be able to:

- ❖ Learn the fundamental concepts of Python
- ❖ Learn the usage of Python for Data analytics.
- ❖ Learn the Data decomposition techniques using Python.
- ❖ Learn the real-time applications in current research study of Machine learning concepts.

### Resource Person



**Mr. Yasheen Sheik,**  
Senior Manager,  
Technical Support  
Engineering-Salesforce

### Coordinators

**Dr. Sriram V,**

Assistant Professor, Basic Science-FET.

**Dr. T. Jayanth Kumar,**

Assistant Professor, Basic Science-CSSP.

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[jayanth@jainuniversity.ac.in](mailto:jayanth@jainuniversity.ac.in)

**Registration Fee - Rs. 500/-**

**Payable through**

**PhonePe/GooglePay/Paytm: 9535854476**

### Registration Link

<https://forms.gle/JhosZi83VvBZiA4DA>

# A Six-day FDP On Python for Computational Mathematics and Machine Learning

## FDP Schedule:

**Day 1 - 24 June 2022**

**Inaugural: 1:15 PM to 3:45 PM**

Day	Topics
Day 1 (24-06-2022)	Python-Beginners Level
Day 2 (01-07-2022)	Python Fundamentals
Day 3 (08-07-2022)	Python-Intermediate Level
Day 4 (09-07-2022)	Data Analytics
Day 5 (15-07-2022)	Vector Programming
Day 6 (22-07-2022)	Machine Learning Using Python

**Mode of Conduction: Online**

### Important Dates

**Registration Last Date: 21/06/2022**

**Date: 24.06.2022 to 22.07.2022**

**Timings: 1.15 PM to 3:45 PM on every Saturday**

**Virtual Platform Link:**

Will be shared once the registration is done