

Capacity Building Program

(Machine Learning using Python)

Five Days Faculty Development Program

on

“Python for All”

Organized by

SIIEDC (Skill, Incubation, Innovation Entrepreneurship Development Centre), University of Jammu in collaboration with iHUB DivyaSampark IIT Roorkee (A Joint venture of IIT Roorkee and DST Government of India)



iHUB DivyaSampark

March 11-15, 2024

Experts from Academia/Industry

Certificates to participants



Venue

SIIEDC, University of Jammu

Baba Saheb Ambedkar Road, Jammu

Tawi (J&K)-180006 (India)

About the Program

Program is intended to introduce with basics of Python with its applications. Python programming is a general-purpose, and used in almost all fields like data science, web development, system automation and administration, basic game development. General and application-specific scripting etc. Additionally at present, Python is widely used by a number of big companies like Google, Instagram, Disney, Yahoo!, Nokia, IBM, and many others. So this course will help learners in getting practical exposure in Python.

Objective of the Course

- Introduction to machine learning and Data Science, Real Life examples and Apps.
- Participant can build awesome projects by using Python.
- Python is dynamic programming language; participants can use Python in wide variety of application domains.
- Participants can explore the opportunities and challenges in the use of Python.
- To provide an opportunity for the participants to learn from expert in Specialized areas.

Benefits of the Course

- Provide educators to enhance their skills and knowledge in Python.
- Learn about the latest advancements and best practices in Python.
- Facilitate networking among educators and professionals.
- Exposure to different pedagogical approaches and tools.
- Guide/Mentor the students to seek job opportunities in data analyst fields.
- Industries and domain where analytics are used extensively.

PATRON



Professor Umesh Rai
Hon'ble Vice Chancellor
University of Jammu

CONVENOR



Professor Alka Sharma
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Dr. Sunil Kumar, Department of Statistics
Dr. Chinmoyee Maharana, Department of Zoology

Who can Attend?

This Faculty Development Program (FDP) promises to be immensely beneficial for both faculty members and scholars alike, offering valuable insights into Python—an essential cornerstone of contemporary trends and technologies. Faculty members and research scholars from all disciplines are encouraged to participate, as the program aims to equip attendees with foundational knowledge that is pertinent across various fields.

Prerequisite

The participants are required to bring their own laptop during the program.

Registration Fee

Faculty members: ₹ 2000/-

Research scholars: ₹ 2000/-

How to make payment

Online: For Payment use Gpay/PhonePay/mPay

JKBMERC00043469@jkb



How to Apply

Step 1: Make Payment

Step 2: Participants may fill registration form using the given below link.

<https://surveyheart.com/form/65d9f01b7c69e07643e9c498>

Important Dates

Total number of Seats: **30**

Registration is first come first serve basis

Focus Areas

- Python Language: Basics, Data structures
- Python Language: Functions, Arrays
- Writing python scripts
- Plotting Experimental Data
- Testing and debugging
- Handling Errors and Exceptions
- Machine learning basics
- Classification
- Classification algorithms
- Clustering
- Clustering algorithms
- Hands-on sessions using Python & ML

Program Features

- The program is split into lectures and labs/hands-on sessions.
- Hands-on experience on basic and advanced-level topics.
- Interaction & learning with experts from academia & industry.
- Certificates to participants.

About SIIEDC, University of Jammu

The University of Jammu strives for Achieving world-class excellence in teaching, research and knowledge transfer and making valuable contributions to the socioeconomic development of the region and country. The University of Jammu informally known as Jammu University (JU), accredited as A+ grade by National Assessment and Accreditation Council (NAAC), [3] was established in 1969 by an act of the state legislature which effectively split the Jammu and Kashmir University into the separate University of Jammu and University of Kashmir. University Entrepreneurship and Skill Development Centre (UESDC) has been established in University of Jammu since November, 2018. The Centre was

formally inaugurated by Prime Minister, Sh. Narendra Modi on February 3, 2019 as Entrepreneurship, Innovation and Career Hub of University of Jammu.

A skill, incubation, innovation entrepreneurship development centre (SIIEDC) is a dynamic institute designed to cultivate a thriving ecosystem for individuals and businesses. It serves as a hub where individuals gain essential skills, innovative ideas are incubated, and entrepreneurship is nurtured. Through targeted programs and resources, SIIEDCs aim to bridge the gap between education and industry needs, fostering a culture of continuous learning. These centers provide mentorship, infrastructure and networking opportunities empowering to transform ideas into successful ventures.

About iHUB DivyaSampark

IIT Roorkee

The Indian Government's Department of Science and Technology is executing the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), approved by the Union Cabinet in December 2018. As part of the mission, iHUB DivyaSampark at IIT Roorkee, focused on technology development, human resources, technology incubation, startups, and international collaborative research. Technology Innovation Hub IIT Roorkee is one of the 25 hubs setup under National Mission of Interdisciplinary Cyber-Physical Systems (NM-ICPS) sponsored by Department of Science and Technology. It will serve as one-stop solution for 356 fundamental technologies.

For any query please contact:

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