Faculty Development Programme

On

Advanced Python and Applied Data Science Tools for Research and Development

Jointly Organized By

Association of Indian Universities (AIU)

GSFC University Academic and Administrative Development Centre (AIU-GSFCU-AADC)

17th to 21st November 2025

2:00 P.M TO 5:00 P.M

Hybrid Mode

Contact Details:
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***NO REGISTRATION FEES**

ABOUT THE ASSOCIATION OF INDIAN UNIVERSITIES (AIU)

The Association of Indian Universities (AIU), originally established as the Inter-University Board (IUB) in 1925, is the apex body coordinating Indian universities to promote collaboration in education, culture, and allied fields. Legally registered in 1967 and renamed AIU in 1973, it now includes all types of Indian universities and international associates. Through initiatives like the Academic & Administrative Development Centres (AADC), AIU continues to drive academic leadership, institutional development, and capacity building across the higher education landscape

ABOUT GSFC UNIVERSITY

GSFC University is recognized under the Gujarat Private University (Second Amendment) Act, 2014 and is established by the GSFC Education Society - an initiative of Gujarat State Fertilizers and Chemicals Ltd, six decades old industrial giant, to continue the tradition of serving the community in multiple ways. The vision behind establishing this distinct University is societal development through relevant and cutting edge knowledge in frontier areas of professional growth.
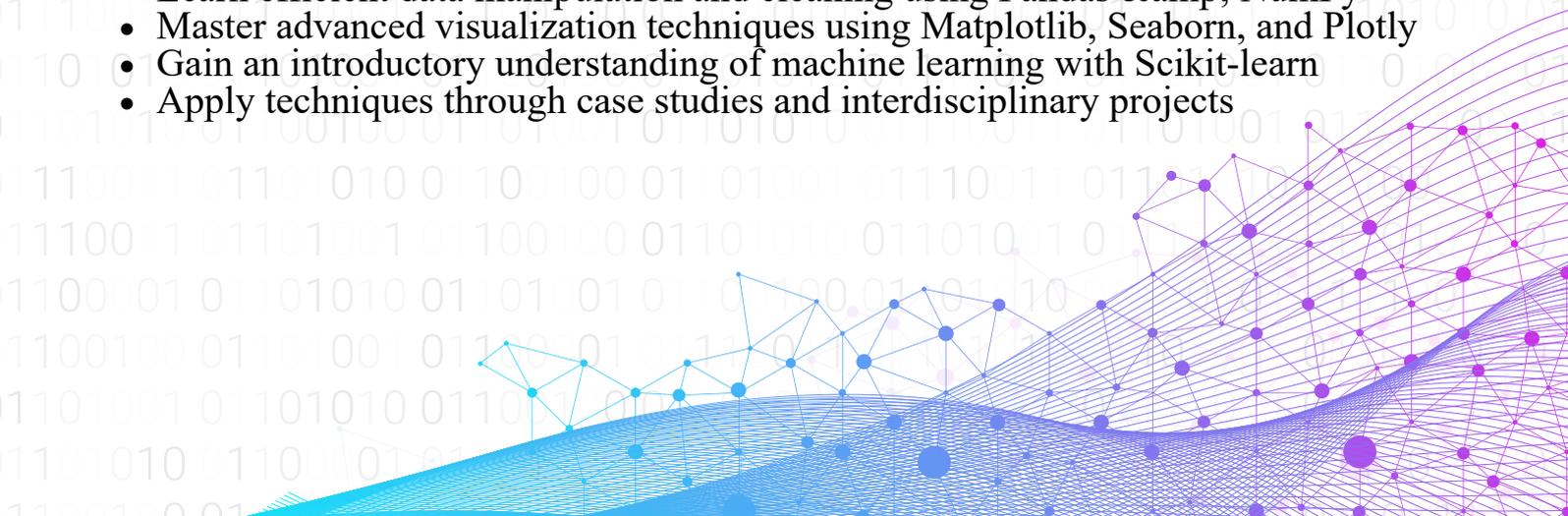
GSFC University embraces the philosophy of "Buddhi Gyanen Shudhayanti," emphasizing the purification of mind and intellect through knowledge for success and compassion. It fosters strong industrial support, providing students hands-on training alongside classroom learning.

About the FDP on Advanced Python and Applied Data Science Tools for Research and Development

The program will provide advanced learning opportunities for faculty and researchers, with the added benefit of industrial expert sessions to strengthen practical exposure.

This FDP will helps to
- Enhance Python programming skills for research-oriented applications
- Learn efficient data manipulation and cleaning using Pandas & NumPy
- Master advanced visualization techniques using Matplotlib, Seaborn, and Plotly
- Gain an introductory understanding of machine learning with Scikit-learn
- Apply techniques through case studies and interdisciplinary projects

PROGRAM SCHEDULE

DAY 1
17ᵗʰ Nov

2:00 PM
to
5:00 PM

Advanced Python Programming Concepts
Mr.Vatsalya Ulhas Bendale

Founder & Full Stack Developer Technoweit, Jalgaon

DAY 2
18ᵗʰ Nov

2:00 PM
to
4:00 PM

Data Manipulation with Pandas and NumPy
Dr. Akil Surti

Founder Enlighten infosystems Vadodara

4:00 PM
to
5:00 PM

Exploratory Data Analysis
Ms. Archana Magare

Assistant Professor(CSE,SOT), GSFC University

DAY 3
19ᵗʰ Nov

2:00 PM
to
5:00 PM

Data Visualization for Insightful Research
Mr. Jai Kiran C J

Senior Data Engineer – Tech Mahindra Bangalore

DAY 4
20ᵗʰ Nov

2:00 PM
to
5:00 PM

Introduction to Machine Learning for Research Applications
Mr.Yash Kavaiya

Senior Agentic AI Developer, Accenture ,Pune

DAY 5
21ˢᵗ Nov

2:00 PM
to
5:00 PM

Research Case Studies and Project Work
Dr. Babji Srinivasan

Associate Professor, Applied Mechanics, IIT Madras

CHIEF PATRON:
Shri P. K. Taneja, (IAS Retd.), President, GSFC University

PATRON:
Prof. G. R. Sinha, Provost, GSFC University

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Dr. Jahanvi Bansal,
Associate Dean – IQAC & Internationalization, & AIU-GSFCU-AADC Coordinator, GSFC University

CONVENOR:

Prof. K Santhosh Kumar,
Head, Department of Chemical Sciences & Data Science, School of Science

CO-CONVENOR:

Ms. Shimi Biju,
Assistant Professor,School of Science, GSFC University,