



SHARDA
UNIVERSITY
Beyond Boundaries



VYUTPATTI- 2024
INTERNATIONAL WORKSHOP ON
AI MASTERY: PYTHON BOOT CAMP FOR ARTIFICIAL
INTELLIGENCE

JOINTLY ORGANIZED BY

DEPARTMENT OF MATHEMATICS (SHARDA UNIVERSITY) AND ACORDS & METAFISER

3 JUNE - 8 JUNE 2024

Chief Patrons:

Shri P. K. Gupta

Hon'ble Chancellor, Sharda University

Shri Y. K. Gupta

Hon'ble Pro-Chancellor, Sharda University

Patrons:

Prof. Sibaram Khara

Vice-Chancellor, Sharda University

Prof. Parma Nand

Pro-Vice-Chancellor, Sharda University

Advisory Committee:

Prof. S. K Banerjee, Dean- SSBSR

Prof R.C. Singh, Director National & International
Ranking, Sharda University

Prof. Bhuvnesh Kumar, Dean Research, Sharda
University

Organizing Committee

Convener: **Prof. Khursheed Alam**

(HOD Mathematics & Coordinator CARAMP)

Organizing Secretaries:

Dr. Sangeeta Gupta (Associate Professor)

Dr. Rachna Khurana (Assistant Professor, Sharda
University, Agra Campus)

Dr. Varun Mohan (Associate Professor)

Dr. Sweta Srivastav (Associate Professor)

Dr. Santosh Kumar (Assistant Professor)

Coordinators:

All faculty members of Department of Mathematics

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ABOUT SHARDA UNIVERSITY

Sharda University (NAAC A+ Accredited) is a leading educational institution based in Greater Noida, Delhi NCR, India. A venture of the renowned SGI group, the university has established itself as a high-quality education provider with a prime focus on holistic learning and imbuing competitive abilities in students. UGC approves the university and prides itself in being the only multi-discipline campus in the NCR, spread over 63 acres and equipped with world-class facilities having 21,000+ students in more than 180 courses. Being the only global university in India that has seen students from 85+ countries experience world-class facilities, and has 250+ global academic partnerships. Sharda University offers a truly international learning environment. For more information

ABOUT CARAMP

Centre for Advanced Research in Applied Mathematics & Physics (CARAMP) was established by the late Prof. Abul Hasan Siddiqi in July 2018 in collaboration with the Nadeem Tarin Education Foundation led by Dr. Nadeem Tarin and funded by Dr. Nadeem Tarin.

Now, it has been renamed as “The A. H. Siddiqi Centre for Advanced Research in Applied Mathematics & Physics” (CARAMP) on 15th August 2022 in memory of the late Prof. Abul Hasan Siddiqi. The Centre was established to promote interdisciplinary research in emerging fields of Mathematics and Applied Sciences. Since its establishment, this Centre has continuously engaged in various research-oriented activities and initiatives like guest lectures of internationally reputed speakers on contemporary research problems. The Centre also provides financial support and a research nurturing ecosystem to associated research scholars. It is an initiative to establish a Centre of excellence in applied mathematics and cognitive science to encourage and nurture innovation in the areas of Medical Imaging including accurate prediction of diseases, brain studies, and prediction of natural calamities (Earthquake and tsunami). Mathematical models in Meteorology Pollution and Artificial Intelligence, Applications of emerging areas of Mathematics could be focused on industries related to Railways, Metro, Oil, and Gas. All these future technologies are based on elevating the research in Applied Mathematics to international standards. This can only be accomplished by establishing collaboration between the lead researchers in India and abroad and providing them the support of dedicated researchers in the area of applied mathematics and image processing through this Centre.

ABOUT DEPARTMENT OF MATHEMATICS

The Mathematics Department has undergone remarkable growth and transformation, particularly in the last five years, with significant strides in research output, faculty diversity, and recruitment. Playing a vital role in the Institute's work Integrated Learning Programs, it caters to professionals from diverse industries. The department boasts a highly motivated faculty specializing in various mathematical sciences, providing ample opportunities for research in fundamental and interdisciplinary areas spanning science, engineering, and technology. Committed to cultivating dedicated engineers and scientists, the department offers a comprehensive curriculum covering Algebra, Analysis, Differential Equations, Discrete Mathematics, Statistics, Operations Research, and Mathematical Modeling. To meet industry demands, it continuously updates its teaching methodologies, and research programs. It introduces new courses, ensuring students are well-prepared for exams such as GATE, UGC NET/SLET, etc. Moreover, the department well-equipped Computer Lab, furnished with MATLAB, R, and Python software tools, enriches students' practical skills and computational prowess.

ABOUT ACODS & METAFISER



ACODS is global center for IT training needs and offers a wide range of courses designed to meet the needs of IT professionals seeking to advance their skills and knowledge in Data Science, Data Engineering,

Data Analytics, Cyber Security & DevOps to help individuals excel in their careers. With a track record of placing over 22,000 students, ACODS is recognized for delivering top-notch training and helping individuals to achieve their Dream CTC.

At Metafiser, we are an innovative and dynamic IT consulting company, proudly headquartered in the heart of the UAE. With a passion for cutting-edge technology and a relentless drive to exceed expectations, we empower businesses across industries to navigate the digital landscape successfully.

ABOUT WORKSHOP

The A. H. Siddiqi Centre for Advanced Research in Applied Mathematics & Physics (CARAMP), and the DEPARTMENT OF MATHEMATICS, School of Basic Sciences and Research Sharda University, Greater Noida, India in collaboration with ACODS India and Metafiser Academy are organizing an international workshop on AI Mastery: Python Boot Camp for Artificial Intelligence. This workshop facilitates global collaboration and skill development, addressing the growing demand for proficient AI professionals. Focusing on Python, a widely used language in AI, equips participants with practical expertise to meet industry needs and foster innovation in artificial intelligence.

OBJECTIVES

- Ø Enhance participants' AI development skills using Python.
- Ø Foster global networking and collaboration among participants.
- Ø Provide hands-on experience in AI through a boot camp.
- Ø Address industry demand for skilled Python-based AI professionals.
- Ø Encourage innovative thinking and problem-solving in AI.
- Ø Empower participants to contribute to AI technology advancement.

COURSE CONTENTS

- Python Scripting, Flow Control, and Programming Logics.
- Introduction to Data Analysis Libraries.
- Machine Learning - Supervised and Unsupervised Learning.
- Regression and Forecasting
- Deep Learning and Convolutional Neural Networks (CNNs)
- Capstone Project Implementation

RESOURCE PERSON

Mr. Vaseem Durrani, an AI/ML maverick with over 14 years of experience in the Data field and extensive expertise in translating domain knowledge into data-driven solutions. As a seasoned professional who has led teams and trained thousands, Mr. Vaseem brings real-world expertise in deploying end-to-end ML pipelines, leveraging cutting-edge techniques like ensemble models, deep learning, and generative AI on cloud platforms. With a proven track record of delivering innovative solutions to global clients, Vaseem's mentorship will empower you to unlock the full potential of Python for AI and ML applications.

REGISTRATION

The program is open to anyone with an interest in Artificial intelligence and Python programming can attend the workshop, including students, professionals, researchers, and enthusiasts from various fields such as computer science, engineering, data science, and related disciplines. There is no prerequisite to attend this program but prior knowledge about the basics of computers and an elementary level of mathematics will be helpful. Last date of the registration is 2-06-2024.

Certificate will be provided to all participants. Registered candidates will receive the meeting link on their email IDs.

For registration fill out the Google form:
<https://forms.gle/25WwYRSQQxToSTVa9>

REGISTRATION FEE

Registration details	India (INR)	Asian Countries (USD)	Others (USD)
Students and Research Scholars	Rs 236/- (inclusive 18% GST)	USD 25/-	USD 25/-
Academia	Rs. 590/- (inclusive 18% GST)	USD 50/-	USD 50/-
Industry Professional	Rs. 590/- (inclusive 18% GST)	USD 50/-	USD 50/-

MODE OF PAYMENT

Online Banking/NEFT

Bank Name	ICICI Bank Ltd.
Branch Address	Krishna Apra Royal Plaza, D-2, E(acb), Alpha-1, Greater Noida, Gautam Budh Nagar, UP-201306
Account Holder Name	Sharda University-Seminar
Account No.	025405005815 (CURRENT AC)
IFSC Code	ICIC0000254
SWIFT Code	ICICINBBCTS
MICR Code	110229037

VENUE & TIME

Venue: Online

Time: 2:00 p.m. to 5:00 p.m.

Merchant Name : SHARDA UNIVERSITY SEMINAR
Mobile Number : 9953250410

Steps to Pay UPI QR Code
Open UPI app > Select 'Tap to Pay' > Scan QR Code > Enter Amount

