

About the Short-term Course

The aim of this short-term course is to help UG, PG, Ph.D. students, Post-Doc Fellows, Faculty members and Industrial people to learn the coding in Python and its various applications in industry, research, academics and teaching. In this course we plan to conduct lectures from the industry/subject experts plus hands-on practice with tutorials on the softwares and relevant tools.

In this short-term course, talks and tutorials by the speakers will mainly focus on:

Industry Application in Python: Python Architectures, Hyperscalers, Evolution of Language Models in AI and Industry applications of Python based Open AI/Foundation Models.

Python basics, Python operators, Python Loops, Python functions, Python file handling, Python modules, Python Class, and Data visualisation through Matplotlib.

Academic Applications: Quantum Mechanics: Eigen functions and probability, Schrodinger wave equations and their solutions in Python, Thermodynamics, Lithium ion batteries, energy loss by radiation, robot application, and many more practical examples.

Eligibility Criteria

Undergraduate Students, Postgraduate Students, Ph.D. Students, Post-Doc Fellow, Faculty from Colleges/Universities, Industry People.

No prerequisite is required for this course.

Classes: Every day 05:30 PM to 07:30 PM

Short-term Course on Hands-on with Python in Hybrid Mode

9th September 2024
to
13th September 2024



Organized by:
Department of Physics,
Malaviya National Institute of
Technology Jaipur,
Rajasthan - 302017, India

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Patron



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Director, MNIT Jaipur

Program Chair



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Head, Department of Physics, MNIT Jaipur

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Department of Physics,
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Coordinator



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Department of Physics,
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Address for Communication

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Last date of registration

4th September, 2024

Speakers



Dr. Shisam Bhattacharyya

Deputy Vice President, Head of MVU, Department of Integrated Risk Management, HDFC Bank LTD.

Ph.D. (IIT DELHI) and 14+ years of Career in Operation Research, Data Science and Supply Chain Management.



Dr. Kavita Lalwani

Assistant Professor, Department of Physics,
MNIT Jaipur

Ph.D. (Experimental High Energy Physics) from
IIT Bombay



Dr. Anirban Dutta

Assistant Professor, Department of Physics,
MNIT Jaipur

Ph.D. (Experimental Condensed Matter Physics)
from IIT Kanpur

About MNIT Jaipur

MNIT Jaipur, is one of the NITs established by Ministry of Human Resource Development, Government of India. The Institute, earlier known as MREC, was established in 1963 as a joint venture of the state and central Governments. Later in 2002, the college was given the status of National Institute of Technology and on August 15, 2007, proclaimed Institute of National Importance through Act of Parliament. MNIT campus spreads over 325 acres of lush green area in the prime location of Jaipur city. At present, in addition to research, consultancy and developmental activities, the Institute offers undergraduate and postgraduate courses (B.Tech., M.Tech./M.Sc./MBA & Ph.D.) to about 5000 students, in fields of engineering, architecture, science, management and humanities & social sciences. MNIT Jaipur ranked at 37th position in NIRF 2023 Ranking.

Registration Fee & Procedure

The applicable registration fee must be deposited online as per the below details:

Payment Mode: NEFT/IMPS
Bank Name: ICICI, MNIT Campus
Account Name: Registrar, MNIT Jaipur
Current Account No: 676801700388
IFSC Code: ICIC0006768
Branch: MNIT Campus, Jaipur.

❖ All Participants (Students/Faculties/Scientist/ Post-doctoral Fellows/Industry personnel): **Rs. 1180/-**
Registration fee includes 18% GST and is non-refundable

After fee submission, save the payment receipt in pdf format and register yourself by clicking on the link below:

Registration Link:

<https://forms.gle/PhKG2ZBUbM2Pc4KM6>

The online link and venue will be shared with the registered participants later, and a certificate will be issued to the successful candidates.

About Department of Physics

The Department of Physics is an important Basic and Applied Science Department dedicated to impart quality education at undergraduate and postgraduate level. The Department runs M.Sc. and Ph.D. Programs and offers Physics core and various open elective courses to B.Tech. students. Faculty members of the Department are actively engaged in various thrust areas of research in experimental as well as theoretical physics with national/international collaboration. The Department has the following objectives: To impart high quality Physics education to engineering graduates at all levels by introducing latest curricula based on the present and future needs of engineering and technological education in the country. To produce excellent post-graduate in Physics (M.Sc. Physics) who can take a lead role in basic & application-oriented research and development activities in industries and academia in the country.