

e-Workshop on
**Quant Hub: Exploring Math, Stats, ML in
Data Science**
(Quant Hub-2024)

May 15 - May 19, 2024



COORDINATORS

Dr. Soniya Chaudhary
Dr. Subit Kumar Jain



Organized by
Department of Mathematics & Scientific Computing
National Institute of Technology Hamirpur, H.P.
177005

OBJECTIVE

The objective of the Workshop is to acquaint the participants who have a keen interest in industries or research related to data science? This workshop is crafted with students aspirations in mind. This workshop delves into crucial topics that form the backbone of data science, ensuring a comprehensive understanding for those passionate about making an impact in industries or contributing to cutting-edge research.

COURSE CONTENTS:

Understanding Basic Mathematical Concepts: Statistical Foundations: Data Preprocessing Skills: Introduction to Machine Learning (ML): Exploratory Data Analysis (EDA): Model Evaluation and Metrics: Hands-On Coding Exercises: Introduction to Python, Natural Language Processing using Large Language Model (LLM), Deep learning, Time series.

SPEAKERS

The resource persons for the program include experts from Industry and IITs. Some of the prominent speakers include:

- Prof. Niladri Chatterjee, IIT Delhi
- Dr. V. Vijaya Saradhi, IIT Guwahati
- Dr. Swanand Ravindra Khare, IIT Kharagpur
- Dr. Gajendra K. Vishwakarma, IITISM Dhanbad
- Dr. Sriparna Saha, IIT Patna
- Dr. Gagan Raj Gupta, IIT Bhilai
- Dr. Ishapathik Das, IIT Tirupati
- Dr. Tanmay Sen, Lead Data Scientist at Ericsson, Kolkata
- Dr. Prashant Giri, Solution Leader at Brane Enterprises, Hyderabad
- Mr. Vinay Kumar, Associate Director at Tiger Analytics, Chennai

WHO SHOULD ATTEND:

Science and Engineering Students, Researchers, Teachers, Industry and Practicing Engineers, Scientists in R&D Labs.

ORGANISING COMMITTEE:

Patron	:	Prof. Hiralal Murlidhar Suryawanshi, Director, NIT Hamirpur
Chairman	:	Dr. Ramesh Kumar Vats, Head, DoMSC, NIT Hamirpur
Convener	:	Dr. Ramesh Kumar Vats, Associate Professor, NIT Hamirpur
Coordinators	:	Dr. Soniya Chaudhary Dr. Subit Kumar Jain
Treasurer	:	Dr. Subit Kumar Jain
Organizing Committee	:	All faculty members.

REGISTRATION PROCESS :

Registration is compulsory for all the participants.

Registration link: <https://forms.gle/jy6qMfL1qG6pTk729>

Registration Fee:

UG/PG/PhD Scholars	:	200/-
Faculty Members/ Academicians	:	500/-
Industry Delegates	:	1000/-

The interested candidates must deposit the non-refundable registration fee through SBI collect with the following procedure:

- Go to **SBI collect** and choose **Himachal Pradesh** as the state of Institution and type of Institution as an **educational institute**.
<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>
- Choose NIT Hamirpur from Name of the Institutions and Select payment category as WORKSHOP FDP STC CONFERENCE.
- Generate the payment slip and attach it with the registration form available at the following link. <https://forms.gle/jy6qMfL1qG6pTk729>
- The certificate of participation will be issued only to those candidates who secure more than 80% attendance.

E-certificate will be sent to the participants by e-mail.

Note:

- Applications will be accepted on first cum-first serve basis. Ensure the link is open before you pay the fee.
- Venue: Through Google Meet. The link for the online course will be shared through email later.
- Last Date for Registration : **May 13, 2024**

IMPORTANT NOTES :

- NO. OF PARTICIPANTS: A maximum of 50 participants will be considered for this training programme. Application will be accepted on first cum-first serve basis.**
- Application submitted through Google Form along with SBI collect receipt generated from online payment, must reach the coordinators on or before 13th May 2024.**
- To pay through SBI collect, select Payment Category "Workshop/STC/FDP/Conference".**

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

National Institute of Technology Hamirpur, Himachal Pradesh is fully funded Institute under Shiksha Mantralaya, Government of India. NIT Hamirpur is one of the premier NITs, designated with the status of "Institute of National Importance". The Institute was established in 1986. The college campus, spread over 320 acres, has lush green outfields and picturesque surroundings facing snow clad Dhauladhar mountain ranges. The institute offers undergraduate, postgraduate courses (B.Tech, M.Tech./ MBA/ M.Sc.), and Ph.D. in leading fields of sciences, engineering, architecture and management. Besides imparting regular teaching, equipped with modern laboratories and excellent infrastructure, the Institute is actively engaged in research, consultancy and developmental activities. For more details, please visit nith.ac.in.

DEPARTMENT OF MATHEMATICS & SCIENTIFIC COMPUTING

The department of Mathematics & Scientific Computing came in to existence from August 1, 2009. Earlier, this department was the part of Department of Applied Sciences & Humanities, which came in to existence in 1986. The department is supported by potential and devoted faculty members. The research potential of faculties of this department is witnessed through published books, research papers in journals of both national and international repute and sponsored projects funded by various funding agencies such as CSIR, DST, UGC and MHRD. Also, the faculty has the credit of successful guidance of Ph.D. scholars in addition to imparting teaching to B.Tech./B.Arch., M.Tech. & M.Sc. classes of different disciplines. The department is equipped with ultramodern infrastructural, computing and R&D facilities.

CONTACT DETAILS :

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