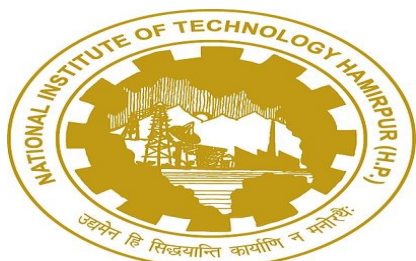


e - Workshop on

Cryptography and Blockchain Technology (CBT-2024)



22nd-26th February, 2024



DEPARTMENT OF MATHEMATICS
& SCIENTIFIC COMPUTING
NATIONAL INSTITUTE OF
TECHNOLOGY
HAMIRPUR 177005 (H.P.)

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Organizing Committee
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BACKGROUND: This workshop aims where researchers can discuss and meet the newest in information security topics as they apply to communications systems and identify new applications, technologies, and theories for Blockchain. The main focus of this workshop is to discuss the current status of Information security and Blockchain Technology and research work in India and across the world .

OBJECTIVES: In the current era of digitalized world, Cryptographic techniques are used to secure information from unauthorized person along with the practice of preventing illegal access, disclosure, disruption, modification, inspection, recording or destruction of information. Information can be of any type like physical, your profile details on social media, your important data in mobile phone, your biometrics and so on. Therefore, Information Security expands so many research areas like Cryptography, Mobile Computing, Cyber Forensics, and Online Social Media and so on. The major objective of e-workshop is to provide lectures and training in the applications area of cryptography and blockchain technology on real platform.

COURSE CONTENTS: Cryptographic primitives, information security protocols and architecture, public and private key cryptography, code-based cryptography, understanding blockchain technology, research scope and applications in blockchain, authentication techniques and cryptanalysis, Time memory tradeoff attack on cryptanalysis and Intrusion detection system.

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

HOW TO APPLY: 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**.
- * Choose NIT Hamirpur from Name of the Institutions and Select payment category as WORKSHOP FDP STC CONFERENCE.

<https://www.onlinesbi.com/sbicollect/icollecthome.htm>

- * Generate the payment slip and attach it with the registration form available at the following link.

<https://forms.gle/NDwikqPqNsBbD7HAA>

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.

REGISTRATON FEES: Registration is compulsory for all the delegates.

Students (UG/PG/Ph.D.): Rs. 200/-
Participants from Academia/R&D Labs: Rs. 500/-

Participants from Industry: Rs. 1,000/-

Last Date of Registration: 20th February, 2024

NO. OF PARTICIPANTS: A maximum of 40 participants will be considered for this training programme. Application will be accepted on first-cum-first serve basis.

ABOUT HAMIRPUR: Hamirpur is surrounded by various famous temples of historical importance such as Jwalaji, Chintapurni, Chamunda Devi, Deoth Sidh, Baijnath etc. Dharamshala, McLeodganj a hill resort is about 80 kms from Hamirpur. During March the weather is pleasant and temperature is about 20⁰C.

CERTIFICATE: e-Certificate will be given to the participants having at least 80% attendance after successful completion of the course.

RESOURCE PERSONS: Experts from premier institutes like IITs, NITs, and IIITs will deliver lectures, followed by interactive hands-on sessions by Industry person on the subjects.

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 ultra-modern infrastructural, computing and R&D facilities.

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR: The institute came into existence on August 7, 1986 as Regional Engineering College Hamirpur in Hamirpur, Himachal Pradesh, India. It was a joint enterprise of the Government of India and the Government of Himachal Pradesh. On June 26, 2002, the institute was awarded the status of deemed university and upgraded into a National Institute of Technology. As a result of this transition the institute came under the sole purview of the Government of India. It was awarded the status of Institute of National Importance by an Act of Parliament along with other NITs and IITs. NIT Hamirpur has been ranked as best NIT in terms of infrastructure by the World Bank in 2007. The Institute provide Undergraduate, Postgraduate and Doctorate Education in Engineering, Sciences & Humanities; fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied. For more detail please visit: <http://www.nith.ac.in>

Note: Application submitted through Google Form along with SBI collect receipt generated from online payment, must reach the coordinators on or before 20th February 2024. To pay through SBI collect, select Payment Category “Workshop/STC/FDP/Conference”.

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