e-Workshop on

Cyber Security and Blockchain Technology (CSBT-2022)

23rd April—27th April, 2022

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

Patron
Prof. H. M. Suryawanshi
Director

Chairman
Prof. Pawan Kumar Sharma
Head, Department of Mathematics and Scientific Computing

Convener
Dr. Pawan Kumar Sharma

Coordinators
Dr. Rifaqat Ali
Dr. Nidhi Gupta

Treasurer
Dr. Rifaqat Ali

Organizing Committee
All faculty and staff members of Department of Mathematics and Scientific Computing, NIT Hamirpur

Address for correspondence:
Department of Mathematics & Scientific Computing, National Institute of Technology Hamirpur, Himachal Pradesh – 177005, India
Contacts:
Phone: +91-8958656825
Web: http://www.nith.ac.in

BACKGROUND: This workshop aims where researchers can discuss and meet the newest in Cyber 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 Cyber security and Blockchain Technology and research work in India and across the world .

OBJECTIVES: In a recent digitalized world, Cyber security is having the main role of defending computers, workstations, servers, mobile devices, electronic systems, networks, and data from various malicious attacks. The cyber security uses in various aspects from business to mobile computing, and can be divided in the following ways: like Network security, Application security, Operational security, and End-user education. The major objective of e-workshop is to provide lectures and training in the application areas of Cyber security and Blockchain Technology. The motivation of this workshop is to promote Cyber Security, Cryptography, and Blockchain Technology.

COURSE CONTENTS: Basics of Cyber Security, Cyber Law and Digital Forensics, Cryptanalysis and System Security, Code-based Cryptography, understanding Blockchain Technology, Challenges and Applications in Blockchain, multimedia security, Security in emerging Technology 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/fk4w5yt8PNVLLezG9

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 April, 2022

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.

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 20^0C.

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 22 April 2022. To pay through SBI collect, select Payment Category "**Workshop/STC/FDP/Conference**".

Contact Details:

Dr. Rifaqat Ali
Email: rifaqatali@nith.ac.in
Mob: +91-8958656825,
+91-8521868026

Dr. Nidhi Gupta
Email: nidhi@nith.ac.in
Mob: +91-7318308353,
+91-7985275540