

Five Days Online Workshop (e-Workshop)
on
**Recent Advancements in
Artificial Intelligence and
Internet of Things (RAAI-2024)**

8th April – 12th April 2024

An Initiative of
National Institute of Technology Hamirpur
Himachal Pradesh, India



Organized by

Department of Computer Science & Engineering
National Institute of Technology, Hamirpur (H.P.)
177005

<https://nith.ac.in/>

Patron

Prof. H. M. Suryawanshi (Director)

Co -Patron

Prof. Anoop Kumar Dean (FW) NIT Hamirpur

Chairman

Dr. Naveen Chauhan (Head DoCSE)

Convener

Dr. Sangeeta Sharma (DoCSE)

Coordinators

Dr. Ram Prakash Sharma (DoCSE)

Dr. Robin Singh Bhadoria (DoCSE)

Treasurer

Dr. Ram Prakash Sharma (DoCSE)

Organizing committee

Faculty of CSE Department

Contact Details:

Dr. Sangeeta Sharma

Assistant Professor
DoCSE, NIT Hamirpur (H.P.)
Mobile: +91-9993603892
Email: sangeetas@nith.ac.in

Dr. Ram Prakash Sharma

Assistant Professor
DoCSE, NIT Hamirpur (H.P.)
Contact No. +91-8839754203
Email: ram.sharma@nith.ac.in

Dr. Robin Singh Bhadoria

Assistant Professor
DoCSE, NIT Hamirpur (H.P.)
Contact No. +91-9329744955
Email: robin.bhadoria@nith.ac.in

IMPORTANT DATES:

- **Last date (Online Registration):** 07-04-2024
- **e-Workshop Duration:** 8th -12th April 2024

REGISTRATION:

Registration Fee: Through SBI Collect

- Rs. 200 for students
- Rs. 500 for participants from Academia/R&D Labs
- Rs. 1000 for participants from Industry

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 category as Educational Institutions and Select state as Himachal Pradesh.

<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/TvmYB86iE1W9XNp6>

NUMBER OF PARTICIPANTS:

- The number of participants is limited for this e-Workshop.
- Applications will be accepted on first cum first serve basis.

CERTIFICATION:

E-certificates will be provided to those participants who have attended at least 75% of the program.

VENUE

The e-workshop will be held through **Google Meet**.

ABOUT THE INSTITUTION

National Institute of Technology Hamirpur is one of the thirty-one NITs of the country, which came into existence on 7th August 1986 as Regional Engineering College, a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh. On 26th June 2002, REC Hamirpur was awarded the status of Deemed University and upgraded to National Institute of Technology. The Institute offers Bachelor, Master and Doctoral programs in Engineering, Sciences, Architecture, Management and Humanities. Various programs serve the purpose of building a comprehensive foundation of knowledge and of enhancing confidence, creativity, and innovation in its students.



ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 1989. The Department offers B.Tech. (CSE), M.Tech. (CSE, Mobile Computing), B.Tech. and M.Tech. Dual Degree (CSE) and Ph.D. degrees. The B.Tech. programme has been accredited by NBA. Our students graduate with more than 100% placement

through campus, and some of them are placed in more than one organization. The Department has well experienced and dedicated faculty members with different specializations. We have well equipped laboratories with state-of-the-art facilities like servers/workstations, desktops, and mobile devices.

CALL FOR PARTICIPATION

The National Institute of Technology (NIT), Hamirpur is organizing an e-Workshop on Recent Advancements in Artificial Intelligence and Internet of Things (RAAI-2024) from 8th -12th April 2024. Distinguished academicians, practitioners, young faculty members, research scholars, and students are invited to participate in RAAI-2024.

The e-workshop will provide an excellent opportunity for participants to decide possible research directions. The prospective participants are requested to submit their applications through the proper channel.

OBJECTIVES OF THE WORKSHOP

In the current era of digitalized world, AI and IoT play an important role in all allied scientific fields like Engineering, Science, Automation, Healthcare and Management Skills. In response to recent advancement in these fields, several emerging techniques intrigue the fanatical researchers and users for learning and understanding the fundamental concepts. The major objective of this e-Workshop is to provide lectures and hands-on training on the real-time applications of AI and IoT techniques. The basics of AI and IoT applications will be explored along with some additional topics like cloud computing, distributed learning etc. At the end of the workshop, participants will be equipped with

enhancement of understanding and ability for solving advanced and complex problems.

A combination of lectures, case studies, and hands-on sessions will be used to cover following topics of interest, but are not limited to:

- Artificial Intelligence and its applications
- IoT
- Cloud Computing and its applications
- Deep learning
- Machine learning

RESOURCE PERSONS

Faculty from IITs, NITs, other premier institutions/organizations will deliver the lectures.