



# राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर

(एक राष्ट्रीय महत्व का संस्थान)

## National Institute of Technology Hamirpur

(An Institute of National Importance)

Short Term Course (e-STC)  
on

### Machine Learning and its applications in Information Security, Computer Vision and Natural Language Processing (MaLiCoN 2026)

12<sup>th</sup>-16<sup>th</sup> January 2026

#### CALL FOR PARTICIPATION

The National Institute of Technology (NIT), Hamirpur is organizing a Short Term Course (Online Mode) on Machine Learning and its applications in Information Security, Computer Vision and Natural Language Processing during 12<sup>th</sup>-16<sup>th</sup> January 2026. Distinguished academicians, practitioners, young faculty members, research scholars, and students are invited to participate in this e-STC. The short term course will provide an excellent opportunity for participants to become aware of the recent trends in the areas of Information Security, Computer Vision and Natural Language Processing and help them discover possible research directions.

#### OBJECTIVES OF THE SHORT TERM COURSE (e-STC)

In the rapidly evolving technological landscape, the integration of **Artificial Intelligence (AI)**, **Machine Learning (ML)**, **Deep Learning (DL)**, and the **Internet of Things (IoT)** has become indispensable across industries such as healthcare, education, manufacturing, and smart infrastructure. The ability to extract meaningful insights from large volumes of data, build intelligent systems, and ensure secure digital operations has emerged as a crucial skill set for educators, researchers, and professionals alike. The participants will benefit by gaining theoretical and practical perspectives in these emerging and important domains by leading experts in the country. It will help to motivate students and young researchers to take up research and pursue pertinent research problems in these areas.

A combination of lectures, case studies, and workshops will be used to cover following representative topics of interest - to enable participants to preprocess, visualize, and analyze real-world datasets using machine learning tools, to provide practical exposure to developing and evaluating predictive models using deep learning frameworks, to familiarize participants with basic and advanced image processing techniques for feature extraction and pattern recognition, to demonstrate the implementation of deep learning models for object detection and discuss their real-world applications, to introduce participants to the implementation of reinforcement learning algorithms and their decision-making workflows, to provide experience in applying text analytics techniques to unstructured data, to impart foundational knowledge of cryptographic methods and secure communication mechanisms, to demonstrate how IoT devices can be simulated, interfaced, and controlled through software platforms.

#### REGISTRATION FEE

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

#### RESOURCE PERSONS

Faculty from IITs, NITs, other premier institutions/ organizations will deliver the lectures. Experts from DesignTech Systems Pvt. Ltd. will cover the hands-on sessions.

#### REGISTRATION PROCESS

The interested participants should register by filling the Google form through the below link:  
<https://forms.gle/WcgsVaWukomuqd9cA>

#### ELIGIBILITY

This program is open to faculty members, research scholars, PG & UG Students, and industrial personnel.



Organized by  
Department of Computer Science & Engineering  
National Institute of Technology, Hamirpur (H.P.) 177005  
in association with



Last date to register: 4<sup>th</sup> January 2026



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## National Institute of Technology Hamirpur

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### Patron

Prof. Hiralal Murlidhar Suryawanshi, Director, NIT Hamirpur

### Chairman

Dr. Siddhartha Chauhan, Associate Professor & Head, Department of Computer Science and Engineering

### Convener

Dr. Arun Kumar Yadav, Assistant Professor, Department of Computer Science and Engineering

### Coordinators

Dr. Jyoti Srivastava, Assistant Professor, Department of Computer Science and Engineering.

Dr. Mohit Kumar, Assistant Professor, Department of Computer Science and Engineering.

### Treasurer

Dr. Arun Kumar Yadav, Assistant Professor, Department of Computer Science and Engineering

### Organizing Committee

Faculties of CSE Department

## 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, AI), B.Tech. and M.Tech. Dual Degree (CSE) and Ph.D. degrees. 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.

## ABOUT THE INSTITUTE

The National Institute of Technology, Hamirpur is an Institute of National Importance. The Institute offers B.Tech, M.Tech and PhD programmes in various disciplines of Engineering, Humanities and Sciences. The Institute is functioning in a vast area of above 250 acres at Anu in Hamirpur district of Himachal Pradesh and is 4 Kms from main bus stand of Hamirpur on Mandi-Jalandhar National Highway (NH-70). The city of Hamirpur is well connected with the rest of the country by road. Nearest Railway Station: UNA (about 85 Km) Nearest Airport: GAGGAL (Kangra) (about 85 Km)

## CONTACT US

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