

Short Term Course (e-STC)
on
**Machine Learning for Natural
Language Processing
(MNLP-2020)**

12th-17th October 2020

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



Organized by
**Department of Computer Science &
Engineering**
National Institute of Technology, Hamirpur
(H.P.) 177005
<http://www.nith.ac.in/>

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REGISTRATION PROCESS

The interested participants should register by filling the Google form through the below link:

<https://forms.gle/hTEFp179TXUWW3F79>

ELIGIBILITY

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

CERTIFICATION

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

ABOUT THE INSTITUTION

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)



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 a Short term course (Online Mode) on Machine Learning for Natural Language Processing (MNLP-2020) from 12-17 October, 2020. Distinguished academicians, practitioners, young faculty members, research scholars, and students are invited to participate in MNLP-2020. The short term course will provide an excellent opportunity for participants to decide possible research directions.

OBJECTIVES OF THE SHORT TERM COURSE (e-STC)

Analyzing the text data is a part of Natural Language Processing (NLP). NLP is a field in Artificial Intelligence enabling computers to understand natural (human) language. Natural language is difficult to handle especially when we have sarcasm, slang, different dialects, and flexible rules. Over the last few years, NLP algorithms have taken great strides. NLP applications include sentiment analysis, language translation, automatic tagging, text summarization etc.

In the field of NLP, deep learning techniques has taken a dominant position over tradition statistical methods. Researchers have been reporting much higher performance metrics applying deep learning

to solve problems like text classification, language modelling, machine translation, document summarization, question answering, etc.

This short term course, Machine Learning for Natural Language Processing (MNLP) provides essential knowledge and skills required to perform machine learning based text processing in common tasks encountered in industries. A combination of lectures, case studies, and workshops will be used to cover following topics of interest, but are not limited to:

- Artificial Intelligence
- Machine learning
- Natural Language Processing and its applications
- Deep learning
- Machine Translation
- Information Retrieval
- Sentiment analysis
- Latest Machine learning trends in NLP etc.

RESOURCE PERSONS

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

REGISTRATION FEE

No Registration fee.

Last date of Registration: 11th October, 2020.