ABOUT NIT HAMIRPUR

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. NIT Hamirpur is an institute of National importance set up by an act of Parliament namely the National Institute of Technology Act 2007 which received the accent of the President of India on 5th June, 2007.

ABOUT DEPARTMENT OF MATHEMATICS AND SCIENTIFIC COMPUTING

The department of Mathematics & Scientific Computing came into existence in August-2009. Previously, this department was a part of department of Applied Sciences & Humanities, which came into existence in 1986. The department is supported by potential and devoted faculty members. The Department has a vibrant research atmosphere backed up by good infrastructural facilities. We have a mathematical computational laboratory consisting of computing machines and Softwares (MATLAB, Mathematica, MathCad and SYSTAT etc.). This department has been contributing a lot for the overall development of the institution since its inception. Also, this department has done extremely well in R&D activities.

PATRON
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Director, NIT Hamirpur

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Head, Department of Mathematics & Scientific Computing, NIT Hamirpur

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COORDINATOR
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TREASURER
Dr. Neha Yadav

ORGANIZING COMMITTEE

All faculty members of Department of Mathematics & Scientific Computing, National Institute of Technology Hamirpur

ONLINE SHORT-TERM COURSE ON

Recent Trends in Artificial Neural Networks and Optimization

(RTNNO-2020)

(18 – 22nd December 2020)

ORGANIZED BY

**Department of Mathematics & Scientific Computing
National Institute of Technology Hamirpur
Himachal Pradesh-India**

ABOUT THE STC

In machine learning, artificial neural networks (ANNs) are a family of models inspired by biological neural networks and are used to approximate functions that can depend on a large number of inputs and are generally unknown. The interplay between optimization and neural networks is one of the most important developments in modern computational science. Optimization formulations and methods are proving to be vital in designing algorithms to extract essential knowledge from huge volumes of data.

OBJECTIVES OF THE STC

❖ To provide the interaction between artificial neural networks and machine learning in a way that is accessible to researchers in both fields as well as fresh perspective on problem solving.

❖ To encourage the researchers to enhance their ability for problem solving in neural networks and optimization.

WHO CAN APPLY

❖ **Students-** UG, PG, Ph.D.

❖ **Faculty Members**

❖ **Other professionals-** Engineers and scientists from Industry and R&D organizations

REGISTRATION FEE

❖ Student (UG/PG/PhD): Rs. 200/-
❖ Academia/ R&D Labs: Rs. 500/-
❖ Industry participants: Rs. 1000/-

IMPORTANT DATES

➤ Last Date of Registration: 16/12/2020
➤ Confirmation to Participants : 17/12/2020

HOW TO APPLY

The interested candidates must deposit the registration fee through SBI collect with the following procedure

➤Go to SBI collect and choose Himachal Pradesh as state of Institution and type of Institution as educational institute.

➤ 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 Registration Link.

PAYMENT LINK

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

REGISTRATION LINK

https://forms.gle/2TvRPBRK84xQv1my5

VENUE

The e-STC will be held through Google Meet.

CERTIFICATE

e-certificate will be given to the participants having atleast 80% attendance after successful completion of the course.

Note: Application submitted through Google Form along with SBI collect receipt generated from online payment must reach the coordinators on or before the Dec 16, 2020.

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EMINENT SPEAKERS

Prof. Nischal K Verma
Department of Electrical Engineering,
IIT Kanpur

Dr. Swagatam Das
Electronics and Communications
Science, **ISI Kolkata**

Prof. Kusum Deep
Department of Mathematics,
IIT Roorkee

Prof. R. Balasubramanian,
Department of Computer Science and
Engineering, **IIT Roorkee**

Dr. Jagdish Chand Bansal,
Department of Mathematics
South Asian University New Delhi

Prof. Alok Singh
School of Computer & Information
Sciences , **University of Hyderabad**

Dr. Krishna Pratap Singh,
Department of Information
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Dr. Kedar Nath Das
Department of Mathematics
NIT Silchar

Dr. Manoj Thakur,
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Dr. Harish Sharma,
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Dr. Anupam Yadav,
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