

**Online Short Term Course (e-STC)  
on  
New Generation Functional  
Materials and Their Applications  
(NFMA-2021)  
3<sup>rd</sup> Feb – 7<sup>th</sup> Feb, 2021**

**About NIT Hamirpur**

National Institute of Technology Hamirpur is one of the thirty one NITs of the country, established in 1986 as Regional Engineering College, as a joint and cooperative enterprise of the Govt. of India and Govt. of Himachal Pradesh. The goals of the institute as embodied in the logo are truly remarkable in their scope of vision. The college provides 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.

**About Department of Materials Science  
and Engineering**

The Department of Materials Science and Engineering (Formerly Centre for Materials Science) has evolved into one of the finest in terms of teaching curriculum and methodology supported by a well-organized and adequately funded research program. The Department has a very well-established B. Tech. program complemented by an M. Tech. program. Apart from this many Research Scholars have got their Ph.D. in various areas of specialization and 10 Research scholars are ongoing in various areas of specialization. The department is, perhaps, the most versatile in terms of the range of specializations of its faculty members and a well experienced support staff.

**Patron**

Prof. Lalit Kumar Awasthi, Director  
National Institute of Technology Hamirpur

**Chairman**

Dr. Vishal Singh, Head  
Department of Materials Science and  
Engineering (DoMSE), NIT Hamirpur

**Convener**

Prof. Ravi Kumar, DoMSE, NIT Hamirpur

**Coordinator(s)**

Dr. Nitesh Kumar and Dr. Rita Maurya  
DoMSE, NIT Hamirpur

**Treasurer**

Dr. Nitesh Kumar

**Organizing committee**

All Faculty and Staff Members of DoMSE, NITH  
Online Short Term Course (e-STC) will be  
held using Google Meet

**Contact Person**

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**An Initiative of  
National Institute of Technology Hamirpur**



**Organized by**

Department of Materials Science and Engineering,  
National Institute of Technology Hamirpur,  
Hamirpur, Himachal Pradesh – 177 005, India  
Phone: +91-1972-254702/46  
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## About e-Short Term Course

Functional materials have drawn interest for researchers belonging to several branches of science and engineering like Physics, Chemistry, Chemical engineering, Electronics engineering and Materials Science and Engineering. This e-STC covers a wide spectrum of applications of functional materials such as electronics, healthcare, environment and energy. Thus, it will be extremely beneficial for all the faculties, students and research scholars working in several interdisciplinary areas of science and engineering.

## Objectives and Scope

- ✓ To provide a common platform for interaction with the experts from various academic institutions, research labs and industries.
- ✓ To facilitate exposure of state of the art technologies and developments in the area of functional materials to future researchers/entrepreneurs/ students from interdisciplinary fields of science and engineering.

## Topics to be Covered

- Functional Materials For:
  - ✓ Energy and Environment
  - ✓ Biomedical Engineering
  - ✓ Optical Devices
  - ✓ Sensor Application
  - ✓ Thin Film Devices
  - ✓ Surface Engineering

Resource Persons/Speakers Faculties/Experts from IITs, NITs, CSIR labs and other premier Institutions/Organizations will deliver the lectures.

## Targeted Participants

Faculty from engineering institutes, universities, research scholars, UG/PG students, and other educational institutes and employees of the industries.

## Number of Participants

Number of participants is limited for this workshop. Application will be accepted on *first-cum-first serve basis*.

## Important Dates

*Last date (Online Registration): 01-02-2021*

*e-STC duration: 03-02-2021 to 07-02-2021*

## Registration Fee Details

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

Registration is compulsory for all the delegates. The registration fee is non-refundable.

## 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 STCCONFERENCE
- Generate the payment slip and attach it with the registration form available at the following link:

<https://docs.google.com/forms/d/e/1FAIpQLSfcCD0BR9aiyXpOPSf3WolclGKUNYMgFgQ4pJqGOPdHHQULvA/viewform>

## Certificate

E-Certificate will be provided to those registered participants whose minimum attendance is 75% of the program.


# NFMA-2021

## NIT-Hamirpur



Department of  
Materials Science  
and Engineering,  
NIT-Hamirpur,  
Himachal Pradesh

## List of Eminent Speakers

 <b>Prof. B. P. Singh</b> IIT-Bombay	 <b>Dr. B. K. Jena</b> CSIR-IMMT	 <b>Prof. R. K. Goyal</b> NIT-Jaipur	 <b>Prof. Vivek Verma</b> IIT-Kanpur	 <b>Prof. Ravi Kumar</b> NIT-Hamirpur
 <b>Prof. S. K. Arora</b> Punjab University	 <b>Prof. K. Balani</b> IIT Kanpur	 <b>Dr. R.J.Choudhary</b> UGC-DAE	 <b>Prof. A. Srinivasan</b> NIT-Suratkal	 <b>Prof. Ravikumar</b> IIT-Jodhpur
 <b>Dr. Fouran Singh</b> IUAC, New Delhi	 <b>Prof. S. Srivastava</b> NIT-Bhopal	 <b>Prof. V. S. Chouhan</b> IIT-Mandi	 <b>Prof. Vishal Singh</b> NIT-Hamirpur	 <b>Dr. R. K. Nagarale</b> CSIR-CSMCRI