

e-STC

ON

Emerging Aspects in Refrigeration, HVAC and Liquefaction Technologies RHLT-2022

03rd - 07th January, 2022



**National Institute of Technology
Hamirpur**

(An Institute of National Importance)

Organized by

Dept. of Mechanical Engineering
National Institute of Technology
Hamirpur

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ABOUT INSTITUTE

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 goals of the Institute as embodied in logo are truly remarkable in their scope and vision. The Institute offers Bachelor, Master and Doctoral programmes in Engineering, Sciences, Architecture, Management and Humanities.

Patron

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Director

Chairman

Dr. Sant Ram Chauhan
Head
Dept. of Mechanical Engineering

Convener

Dr. Prashant Kumar
Assoc. Professor

Coordinator (s)

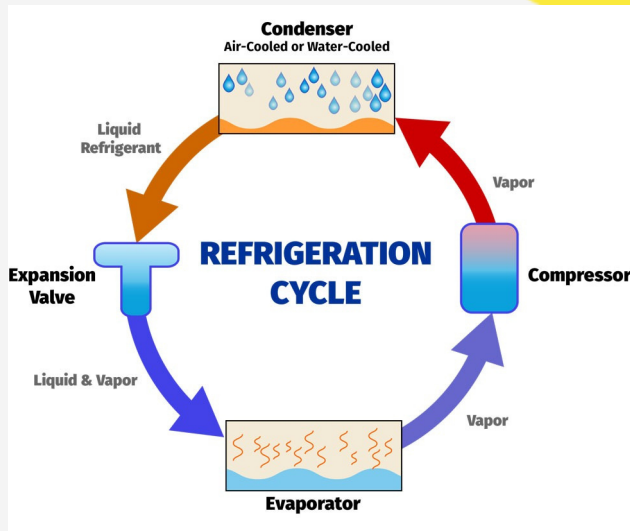
Dr. Ajoy Debbarma
&
Dr. Laxmikant Yadav
Asst. Professor

Treasurer

Dr. Laxmikant Yadav

Organizing Committee

All faculty members and staff of
Mechanical Engineering
Department



OBJECTIVES

- To promote the research and advancements in the field of refrigeration & HVAC technologies.
- To motivate the research scholars about the recent advancements of Desiccant cooling.
- To explore the emerging aspects of HVAC technologies among the researchers.
- To share the methodology adopted and tools for the solution of refrigeration and HVAC problems.
- To provide the importance and advancements of liquefaction technologies.

TARGETED PARTICIPANTS

The e-STC targets faculty members from educational institutes, research scholars, UG/PG/PhD students, and employees from the industries.

ABOUT DEPARTMENT

The Department of Mechanical Engineering 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 three M. Tech. programs in Design, Thermal, and Manufacturing. Apart from this, about 51 Research scholars have got their Ph.D. in various areas of specialization and 30 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 well-experienced support staff.

About the e-STC

The research and development in the field of Refrigeration, HVAC, and Liquefaction field are still challenging due to current energy demand and harmful environmental emissions. A lot of numerical and experimental research is going on in this field to make the system cost-effective and environment-friendly. Further, several alternative refrigerations and air conditioning systems are also emerging to replace the existing systems. Therefore, to promote these emerging researches and practical experiences of experts among the faculty, research scholars, and students, it is necessary to organize an e-Short Term Course so that they may get benefitted and be motivated to initiate the research in these emerging areas.

Resource Persons



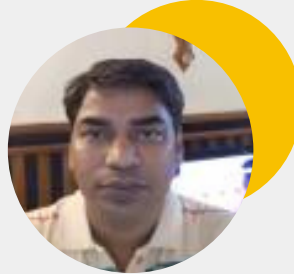
Prof. Parthasarathi Ghosh
Dept. of Cryogenic Engg.
IIT Kharagpur



Prof. P. Muthukumar
Dept. of Mechanical Engg.
IIT Guwahati



Dr. Harjit Singh
Dept. of Mech. & Aerospace
Engg.
Brunel University, London



Dr. Jahar Sarkar
Dept. of Mechanical Engg.
IIT BHU



Prof. Satish Pal Singh Rajput
Dept. of Mechanical Engg.
MANIT Bhopal



Dr. David Redpath
School of Chemistry and Chemical
Engg.
Queens University Belfast, UK



Prof. Maddali Ramgopal
Dept. of Mechanical Engg.
IIT Kharagpur



Dr. Tangellapalli Srinivas
Dept. of Mechanical Engg.
NIT Jalandhar



Dr. D. B. Jani
Dept. of Mechanical Engg.
Gujrat Technical University



Dr. Prashant Kumar
Dept. of Mechanical Engg.
NIT Hamirpur

Editor Talk



Ms. Kamiya Khatter

Editor – Applied Sci. & Engg.
Springer Nature

Ethical Academic and Scientific Publishing

CONTACT PERSONS

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REGISTRATION FEE DETAILS

IndustryRs. 1000

Academia/R&D LabsRs. 500

StudentsRs. 200

COURSE HIGHLIGHTS

Online Platform: Meeting Links and
Scheduled of the e-STC will be
shared through registered Email IDs.

After successful completion of the
e-STC, e-Certificate will be issued to
the participants after submitting the
feedback form.

Note: Minimum 75% attendance is
required to issuing the certificates

Dr. Laxmikant Yadev

Asst. Professor, DoME

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Mobile: +91 - 7000201281

REGISTRATION PROCESS

STEP-I: The Participants must make
the prescribed registration fees
through SBI collect online on or before
30th December 2021.

Procedure for SBI collect:

- Visit SBI Collect
- State of Corporate/Institution:
Himachal Pradesh and Type of
Corporate /Institution as
Educational Institutions.
- Educational Institutions Name: NIT
Hamirpur
- Select Payment Category:
WORKSHOP STC FDP
CONFERENCE (Last option)
- Fill up all the details.
- Submit the form and generate the
receipt.

STEP-II: The participants are required
to complete the registration process
by filling the Google Form.

**REGISTRATION
DEADLINE
30th DEC. 2021**



<https://forms.gle/MnEq9cLsGQpTJRxG8>

**Seats are limited and the selection will be done
on first-cum-first-serve basis**