

### ***ABOUT THE INSTITUTION***

Haldia Institute of Technology (An Institute of ICARE, Haldia, Approved by AICTE, Affiliated to WBUT) began its journey in the year 1996. It is the first private and accredited academic institution catering technical education in West Bengal. The Institute is situated at Haldia – an industrial hub in Eastern India. Since inception, Haldia Institute of Technology is dedicated to the objectives of creating highly trained professional manpower in various disciplines of Engineering, Technology and Social Science. The Institute is also dedicated to the contribution of higher scientific research in Technology as well as in Applied Science and Social Science. The institute offers 4 years UG (B. Tech) degree courses in EE, ECE, AEIE, CE, ME, IT, CSE, Chemical, Biotechnology, Cyber Security, Data Science and AI & ML. It also offers PG courses in Chemical, CSE, ECE, BT, ME, MBA and MCA. It has been accredited with grade A by NAAC and all of the departments are NBA accredited. The institute has received the prestigious NIRF ranking by MHRD and holds second position among all the private engineering institutes in West Bengal.

### ***ABOUT THE DEPARTMENT***

The Department of Mechanical Engineering was established in 2000, with the vision to provide practical industry based technical and professional education to the students. Mechanical engineers use the principles of energy, materials and mechanics to design and manufacture machines and devices of all types. They create the process and systems that drive technology and industry. The faculty aims at

putting extra ordinary effort towards motivating the students in solving actual industrial problems by undertaking various projects, industrial visit and in-plant training. A wide selection of projects, seminars and training facilities besides technical visits to industrial enterprises and specialized lectures from industry specialists generates enormous potential and confidence among the students enabling them to independently handle the life size problems in their engineering careers. The Department has well equipped laboratories for the graduate and post graduate students. Some of these laboratories are Refrigeration & Air Conditioning Lab, Internal Combustion Engines Lab, Fluid Mechanics Lab, Fluid Machines Lab, Advanced Manufacturing Lab, Metrology Lab etcetera.

The Department is accredited by National Board of Accreditation (NBA) for two times.

***Mode of the programme: Online***

***Online Platform: GOOGLE MEET***

**No Registration Charges**

**Registration link:**

**<https://forms.gle/RerbsZZSartPbNLH7>**

**Students will get certificate after successful completion of the class.**

**Contact person:**

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## **HALDIA INSTITUTE OF TECHNOLOGY**

### ***One Day Webinar On Advancement in Mechanical Engineering on Thermal & Fluid Science***

Date: 18<sup>th</sup> October, 2020

Time: 9:30 am

***Organized by  
Dept. of  
Mechanical Engineering***

***(NBA Accredited)***

**HALDIA INSTITUTE OF TECHNOLOGY**  
(An Autonomous, NAAC Accredited Grade 'A' Institute,  
affiliated to Maulana Abul  
Kalam Azad University of Technology)

### **ABOUT THE PROGRAMME**

Department Mechanical Engineering provides high quality education which inspires the students to realize their aspiration and potential. Industrial technology is the essential areas amongst many others. The Webinar is designed in such a manner to provide exposure in recent trends of the research and industrial applications to the participants.

### **OUTCOME OF THE PROGRAMME**

1. Participants will get the opportunity to nurture or understand about the process implementation and research possibilities of Industrial fields.
2. Participants will get the opportunity to enhance their learning, developing skills and educational leadership.
3. Participants will gain better understanding on the design aspects of Industrial in thermal and fluid systems which may lead to conceptualize real time Industrial Projects and Research Projects.

### **HONORABLE SPEAKERS**

#### **Prof. Sourav Manna**

Assistant professor, Govt. College of Engineering & Textile Technology, Berhampore, WB, IN.

Topic: *Basics of vapor compression refrigeration system and its application*

#### **Mr. Ambuj Kumar**

Drugs Inspector Medical device Division CDSO (HQ)  
Ministry of Health and Family Welfare Government of India.

Topic: *Fluid Mechanics in Medical devices*

#### **Prof. (Dr.) Sujit Majumder**

Associate Professor, Global Institute of Management and Technology, Nadia, WB, IN.

Topic: *Real-life applications of fluid mechanics*

#### **Prof. (Dr.) Saurav Das**

Associate Professor and R&D In-charge,  
Department of Mechanical Engineering,  
St. Martin's Engineering College, Telangana, India.

Topic: *Fluid- Structure Interaction in Gas Turbine Seals*



### **CHIEF PATRON**

**Dr. Lakshman Chandra Seth,**  
Chairman, HIT

### **ADVISORY COMMITTEE**

- Dr. Manabendranath Bandopadhyay**, Director, HIT
- Dr. Asit Kumar Saha**, Principal, HIT
- Dr. Anjan Mishra**, Registrar, HIT
- Dr. Tarun Kanti Jana**, Dean, School of Engineering, HIT

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**Dr. Debasis Das Adhikary**, Associate Professor,  
Dept. of ME, HIT

### **COORDINATOR**

**Mr. Pritam Pain**, Asst. Professor, Dept. of ME,  
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### **ORGANIZING COMMITTEE (ME DEPT.)**

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**Mr. Satyajit Chatterjee**, Asst. Professor

**Dr. Nilabha Sankar Mitra**, Associate Professor