



RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Academic Year 2021 – 2023 (Even Semester)

Details of Programme Organized

Sl. No.	Contents	Details
01.	Title of the programme	IoNanofluids: Innovative Thermal Transport Fluids
02.	Programme Theme	Research opportunities
03.	Programme Type	Webinar
04.	Details of resource person	Dr.Rehena Nasrin, Professor, Department of Mathematics, Bangladesh University of Engineering and Technology, Dhaka – 1000.
05.	Mode & Venue / Platform	Google Meet https://meet.google.com/ebg-zyon-ydg
06.	Date & Duration	24.11.2022 & 1hour 10 minutes
07.	No. of Student Participants	12
08.	No. of Faculty Participants	16
09.	No. of External Participants	4
10.	Expenditure amount (if any)	NIL
11.	Registration Link	https://tinyurl.com/INT009-ionanofluids

12. Objective of the Programme:

- To impart knowledge on cutting edge technologies (IoNanofluids: Innovative Thermal Transport Fluids) to the participants and to upgrade the expertise of the participants in mechanical engineering and allied engineering field.

13. Detail description of the activity:

Dr. Rehana Nasrin, a distinguished professor from the Department of Mathematics at BUET, hosted a captivating event titled "IoNanofluids: Innovative Thermal Transport Fluids." The event aimed to shed light on the cutting-edge advancements in the field of nanotechnology, particularly in the realm of nanofluids and their application in thermal transport systems.

Key Points:

- **Introduction to Nanofluids:** Dr. Nasrin initiated the event by providing an overview of nanofluids, emphasizing their unique properties and the rationale behind their increasing popularity in various industrial applications.
- **Innovative Characteristics:** She delved into the innovative characteristics of IoNanofluids, highlighting their enhanced thermal conductivity, stability, and potential for heat transfer augmentation compared to traditional heat transfer fluids.
- **Applications and Potential:** Throughout the presentation, Dr. Nasrin discussed the diverse applications of IoNanofluids, ranging from electronics cooling to solar thermal systems, automotive cooling, and heat exchangers. She emphasized their potential to revolutionize thermal management in numerous industries.
- **Research Challenges and Opportunities:** The event also addressed the current research challenges and opportunities in the field of IoNanofluids. Dr. Nasrin encouraged collaboration among researchers and industries to overcome these challenges and harness the full potential of nanofluids in thermal transport systems.
- **Q&A Session:** The event concluded with an engaging Q&A session, allowing participants to seek clarification on various aspects of IoNanofluids and exchange ideas for future research endeavors.

Overall, Dr. Rehana Nasrin's presentation on "IoNanofluids: Innovative Thermal Transport Fluids" provided valuable insights into the advancements and potential applications of nanofluids in the field of thermal management. It served as a platform for researchers, academics, and industry professionals to explore new avenues for collaboration and innovation in this rapidly evolving field.

14. Banner / flyer of the programme:



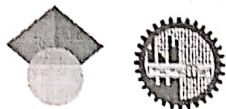
RAMCO INSTITUTE OF TECHNOLOGY

North vengannallur Village, Rajapalayam - 626 117
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ISO 9001:2015 Certified Institution
Department of Mechanical Engineering

EXTRAMURAL LECTURE SERIES(ELS) - INT009

IONANOFLUIDS: INNOVATIVE THERMAL TRANSPORT FLUIDS

Research Credentials



Dr. REHENA NASRIN

Professor
Department of Mathematics
Bangladesh University of Engineering and Technology,
Dhaka - 1000

Date : November 24, 2022
(Thursday)
IST: 05.30 P.M.
Bangladesh Time: 06.00 P.M.

Registration Link : <https://tinyurl.com/INT009-IonanoFluids>

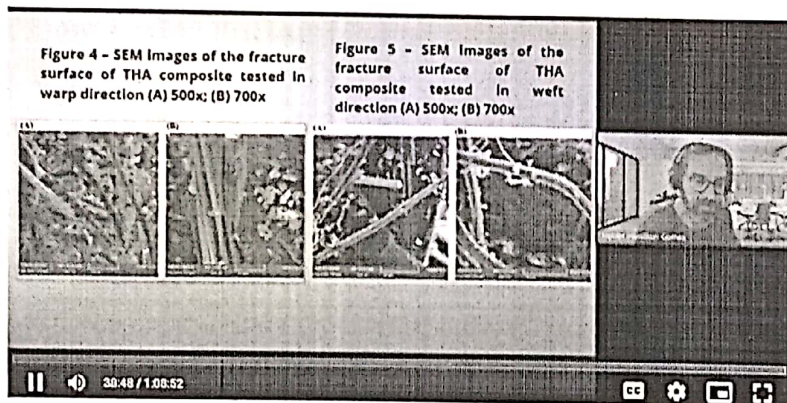
COORDINATOR
DR.V.SIVA KUMAR
ASSOC. PROF./MECH

CONVENER
Dr.P.SURESHKUMAR
ASSOC. PROF./MECH

PATRON
Dr.S.RAJAKARUNAKARAN
VICE PRINCIPAL & HEAD /MECH

CHIEF PATRON
Dr.L.GANESAN
PRINCIPAL

15. Programme Photographs:



Prepared by:

Approved by



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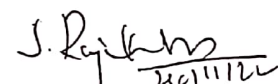


24.11.2022

Appreciation Letter

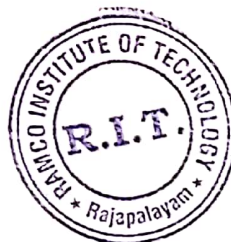
We appreciate Dr. Rehena Nasrin, Professor, Department of Mathematics, Bangladesh University of Engineering and Technology, Dhaka for her exemplary efforts in the topic delivered "IoNanofluids: Innovative Thermal Transport Fluids" on 24.11.2022, IST 05:30 PM [Bangladesh Time 06:00 PM] during the Extramural Lecture Series (ELS) organized by Department of Mechanical Engineering, Ramco Institute of Technology, Tamil Nadu, India.

The feedbacks provided were above the Excellency. We would be glad if you contribute more in future and make us grow. We also wish you to grow more and get success in all your future endeavors.


HoD/Mech.


Vice Principal


Principal
24/11/22



North Venganallur, Ayyanarkovil Road, Rajapalayam - 626 117.
Virudhunagar District, Tamil Nadu. Tel : 04563 233400
E-mail : rit@ritrjpm.ac.in Web : www.ritrjpm.ac.in





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