

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 – 2022 (Odd Semester) <u>Details of Programme Organized</u>

Sl. No.	Contents	Details
01.	Title of the programme	"Nanofluids in solar energy: Applications and challenges"
02.	Programme Theme	Others
03.	Programme Type	Webinar
04.	Details of resource person	Dr.Fadl Abdelmonem Elsayed Essa, Mechanical Engineering Department, Faculty of Engineering, Kafrelsheikh University, Egypt.
05.	Mode & Venue / Platform	Google Meet
06.	Date & Duration	06.05.2021 & 1 hour
07.	No. of Student Participants	70
08.	No. of Faculty Participants	76
09.	No. of External Participants	110
10.	Expenditure amount (if any)	NIL
11.	Social Media URL	https://www.youtube.com/watch?v=pi0FjdSm4rQ
12.	Video URL (if any)	https://www.youtube.com/watch?v=pi0FjdSm4rQ

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Form No. CO10

Rev.No. 00

13. Objective of the Programme:

 To impart knowledge on cutting edge technologies to the students and to upgrade the expertise of the faculty members in mechanical engineering field.

14. Detail description of the activity:

Extramural Lecture Series on the topic "Nanofluids in solar energy: Applications and challenges" was organized by Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam on 06.05.2021. The main objective of this ELS is to impart knowledge about Nanofluids in solar energy: Applications and challenges. The Resource Person was Dr.Fadl Abdelmonem Elsayed Essa, Mechanical Engineering Department, Faculty of Engineering, Kafrelsheikh University, Egypt.

He discussed about energy sources available in the earth surface and the importance of renewable energy sources. He shared about how to use the solar energy? He told about Nanofluid application in solar energy systems. He discussed about different types of solar collectors such as Flat plate, Evacuated tube, Cylindrical, Conical, Parabolic and Triangular, Photovoltaic/Thermal systems, Solar Thermoelectric devices, Solar water heaters, Units solar geothermal, Systems Green houses and Water Desalination system. He shared the current challenges available in this forum and given conclusion with notable future work to be carried out in this field.

The total no. of participants was 15 out of 146 from RIT faculties, 47 from other college students and 61 other college faculties. The entire sessions were interactive where faculties raised their doubts and a precise explanation was given by the resource person. The overall feedback of the program was good. Finally, the participants were distributed with the certificates.

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15. Banner / flyer of the programme:

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Department of Mechanical Engineering

EXTRAMURAL LECTURE SERIES(ELS) - INTOO1
NANOFLUIDS IN SOLAR ENERGY: APPLICATIONS AND CHALLENGES

Research Credentials



(Scopus)

https://youtu.be/pi0FjdSm4rQ



Dr.Fadl A. Essa

Assistant Professor
Department of Mechanical Engineering
Faculty of Engineering
Kafreisheikh University
Egypt

Registration Link: https://tinyurl.com/Nanofluids

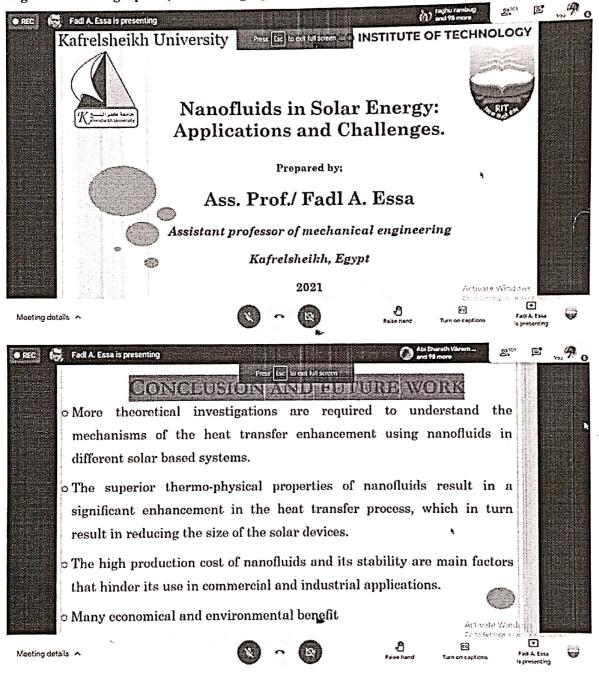
COORDINATOR Dr.V.SIVAKUMAR ASSOC, PROF./MECH

CONVENER Dr.P.SURESHKUMAR ASSOC, PROF./MECH PATRON
Dr.S.RAJAKARUNAKARAN
VICE PRINCIPAL & HEAD /MECH

CHIEF PATRON
Dr.L.GANESAN
PRINCIPAL

Date :May 6, 2021 (Thursday)

IST: 02.00 P.M. Cairo Time:10.30 A.M. 16. Programme Photographs: (Two Photographs)



Approved by

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Department of Mechanical Engineering

EXTRAMURAL LECTURE SERIES(ELS) - INTOO1

NANOFLUIDS IN SOLAR ENERGY: APPLICATIONS AND CHALLENGES



Research Credentials

Scopus

Or Fadl A. Essa

Assistant Professor
Department of Mechanical Engineering
Faculty of Engineering
Kafrelsheith University
Egypt

Date: May 6, 2021 (Thursday) IST: 02.00 P.M. Cairo Time: 10.30 A.M.



Registration Link: https://tinyurl.com/Nanofluids

COORDINATOR Dr.V.SIVAKUMAR

CONVENER Dr.P.SURESHKUMAR

Dr.S.RAJAKARUNAKARAN

ARAN

PATRON

CHIEF PATRON Dr.L.GANESAN