# RAMCO INSTITUTE OF TECHNOLOGY



#### Academic Year 2022-23 (Even Semester)

### **Details of Programme Organized**

SI.NO	Contents	Details
1.	Title of the programme	The Laws that Governs the Universe According to Peter Atkins
2.	Programme Theme	Innovative Teaching
3.	Programme Type	Webinar
4.		Dr.V. Babu, Professor
	Details of Resource Person	Department of Mechanical Engineering
	,	Indian Institute of Technology, Madras
5.	Mode & Venue / Platform	Google Meet
		http://meet.google.com/vbn-dizu-zkh
6.	Date & Duration	27.02.2023 (Monday) & 1 hour 20 minutes
7.	No. of Student Participants	49
8.	No. of Faculty Participants	18
9.	No. of External Participants	47
10.	Expenditure Amount (if any)	Nil
11.	Registration Link	https://tinyurl.com/elsnt010

## 12. Objective of the Programme:

- To enhance the knowledge in thermodynamics basics in Mechanical Engineering.
- To apply thermodynamics zeroth law to solve engineering problem.
- To apply thermodynamics first law to solve engineering problem
- To apply thermodynamics second law to solve engineering problem.

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#### 13. Detail Description of the activity:

Extramural lecture series (ELS)- NT010- Online webinar titled "The Laws that Governs the Universe According to Peter Atkins" was organized by Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam on 27.02.2023 (Monday). The main objective of these ELS is to impart knowledge about thermodynamics laws uses in cosmology, computing, biology & theology. Dr.V. Babu, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Madras acted as a resource person for this programme.

Dr.P.Suresh kumar, ASCP/Mech delivered welcome address and Mr.J.Jerold John Britto, AP(SG)/Mech introduced the resource person of this event. He detailed about the schedule of event. The resource person explained the following Concept

- · Thermodynamics
- · Laws of thermodynamics
- · Connection between laws of thermodynamics .
- Define temperature
- Measurement of temperature
- · Property of a system
- · Mode of energy storage
- Reversible processes
- Scale of temperature
- Principle of increase in entropy

The Resource person explains the basic concept of thermodynamics and how the students get understand by the zeroth law, first law and second law. He concludes his session with through a detailed thermodynamics uses in cosmology, computing, biology & theology. At the end of the session participants clarified their doubts. Mr.L.Karthikeyan, AP/Mech acted as a moderator for the session. Mr.R.Prabhakaran, Mr.R.Venkatesh, Mr.M.Ramar and Mr. S.Kathiravan acted as coordinators.

Totally, there are 156 registrations are received across all major cities of our state and few are from other states also. Out of which 114 participants from various engineering college faculties, Research Scholar and Students actively participated in this programme via Google Meet Platform. All the Participants received their certificate after they completed all procedures

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### 14. Banner / Flyer of the Programme:

# 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
Department of Mechanical Engineering
EXTRAMUBAL LECTURE SERIES(ELS) - NT010



THE LAWS THAT GOVERN THE UNIVERSE ACCORDING TO PETER ATKINS



Registration Link



Date :February 27, 2023 (Monday) IST: 03.00 P M to 04.00 P-M

Dr. V.Babu

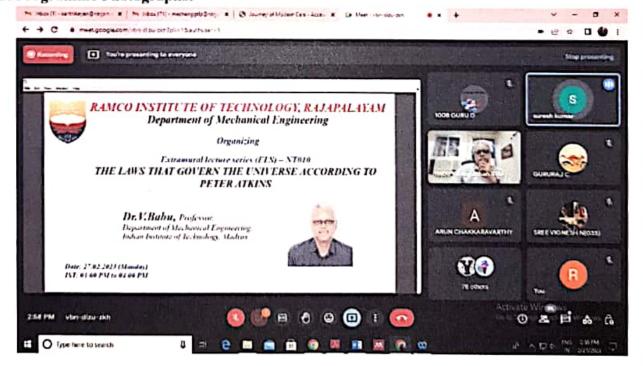
Professor Department of Mechanical Engineering Indian Institute of Technology, Madras

COORDINATOR Mr.R.VENKATESH ASST. PROF/MECH

CONVENED Dr.P.SURESHKUMAR ASSOC, PROF/MECH PATRON
DV.S.RAJAKABUNAKARAN
VICE PRINCIPAL 8 HEAD /MECH

CHIEF PATRON Dr.L.GANESAN PRINCIPAL

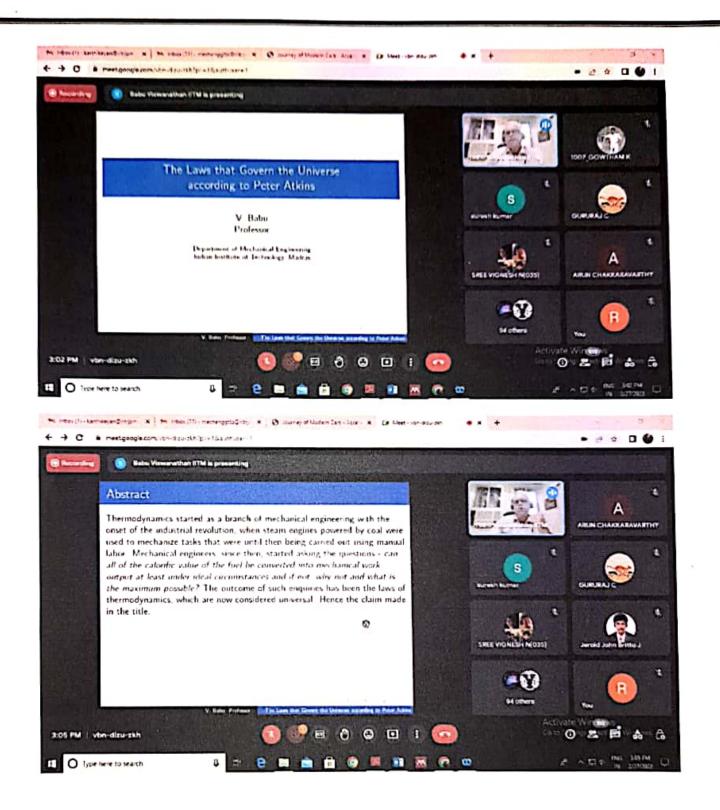
### 15. Programme Photographs:



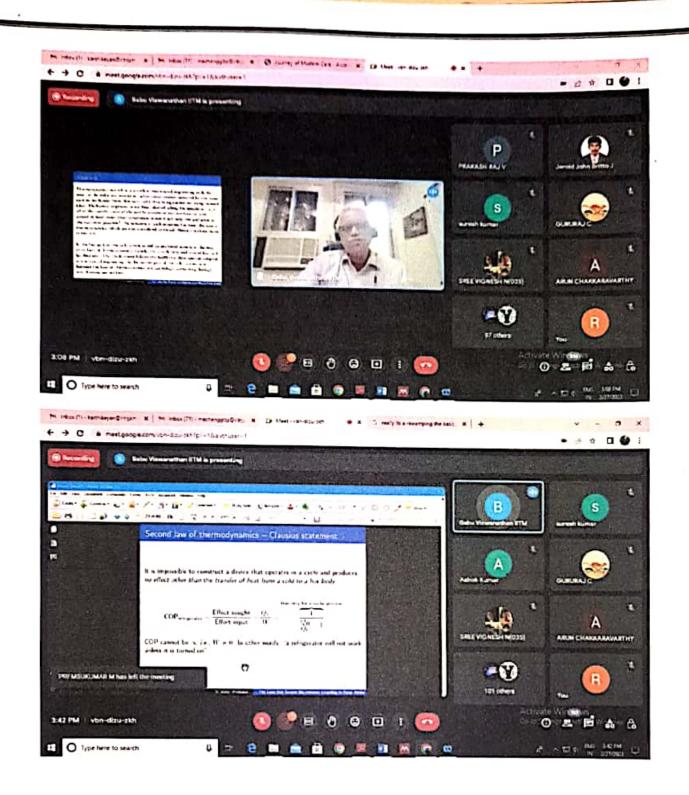
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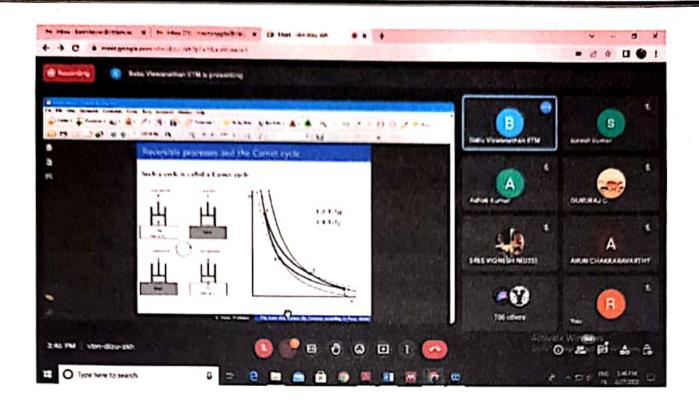
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#### 16. Sample Certificate:





AZUE9G-CE000001

# Certificate of Participation

This is to certify that PRABHAKARAN R, ASSISTANT PROFESSOR of RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM has actively participated in the Extramural Lecture Series - NT010 "The Laws that Governs the Universe According to Peter Atkins" conducted on 27.02.2023 by Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam-626117.

"We wish you success in all your future endeavours"

This is an electronically generated certificate hence does not require signature

Made for free with Certify'em

Prepared by
(M.Ramar, AP/Mech)

Approved by (HOD/Mech)

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