

ALAGAPPA CHETTIAR GOVERNMENT COLLEGE OF ENGINEERING AND TECHNOLOGY



KARAIKUDI-630003

NATIONAL LEVEL TECHNICAL SYMPOSIUM



WEBINARS

Lecture theme

What's you can expect.....

WASTE HEAT RECOVERY SYSTEM

- 1. Introduction
- 2. Why waste heat recover is necessary
- 3. Types of waste heat recovery system
- 4. Industry application
- 5. Q&A

IMPLEMENTATION OF FEA IN ANSYS

- 1. Introduction & Procedure
- 2. Types of Analysis
- 3. Types of Elements
- 4. Material Models
- 5. Demo session on 1D & 2D problems
- 6. Q&A

FUEL CELLS

- 1. Introduction
- 2. Construction & Working of fuel cells
- 3. Types of Fuel cells
- 4. Advantages & Disadvantages
- 5. Industrial applications
- 6. Future scope & Advancement in Fuel cells
- 7. Q&A

ROBOT KINEMATICS

- 1. Introduction
- 2. Need of kinematics in robotics
- 3. Kinematics Terminology
- 4. Forward Kinematics
- **5. Inverse Kinematics**
- 6. Denavit-Hartenber (DH) Parameters
- 7. MATLAB/RoboAnalyzer®
- 8. Summary

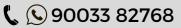
CHALLENGES OF EV

- 1. Introduction
- 2. Performance of Electric Vehicles
- 3. Charging infrastructure
- 4. Thermal management of Battery concern
- 5. Environmental concern

IMPROVEMENT PERFORMANCE OF SOLAR PHOTOVOLTAIC MODULE BY COOLING METHODS

- 1. Introduction to solar cell & solar energy
- 2. Factors affecting solar cell
- 3. Importance of cooling the solar cell
- 4. Various cooling methods
- 5. Cooling of standalone rooftop SPV modules
- 6. Active & Passive cooling.
- 7. Results & Discussion.

FOR FURTHER QUERIES:









ALAGAPPA CHETTIAR GOVERNMENT COLLEGE OF ENGINEERING AND TECHNOLOGY, KARAIKUDI.



DEPARTMENT OF MECHANICAL ENGINEERING



Webinars on

APR 07

IMPROVEMENT PERFORMANCE OF SOLAR PHOTOVOLTAIC MODULES BY COOLING METHOD By Dr. K. Ramanathan (Head Of the Department)

WASTE HEAT RECOVERY SYSTEM By Dr. B. Guruprasad (Assistant Professor) APR 03

APR DB

FUEL CELLS

By Dr. R. Sarala (Associate Professor)

FUTURE CHALLENGES OF ELECTRIC VEHICLES
By P. Perumal (Assistant Professor)

APR 04

APR 06

ROBOT KINEMATICS

By Dr. S. Geetha (Assistant Professor)

IMPLEMENTATION OF FEA IN ANSYS By S. Selvaraj (Assistant Professer) APR 06

Coordinators

D. Harish - 7904094736 U.V. Ayyappan - 6369523693 Live Webinar on



E-certificate will be provided

