

One Day Workshop

On

Battery Thermal Management System

30th July, 2019

Registration Form

Name _____

Designation _____

Organization _____

Official Address _____

Mobile/Telephone _____

E-mail _____

Payment Details

Amount: _____ DD No: _____

Bank _____

Branch _____

Date _____ Signature _____

One Day Workshop

On

Battery Thermal Management System

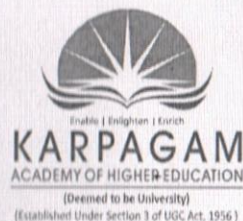
30th July, 2019

Venue- Mechanical Seminar Hall

Organized by

Department of Mechanical Engineering

Faculty of Engineering



Karpagam Academy of Higher Education (Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post

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About the Institution

Karpagam Academy of Higher Education (KAHE) established under Section 3 of UGC Act 1956 is approved by Ministry of Human Resource Development, Government of India. Dr. R. Vasanthakumar, the President of the trust a philanthropist, industrialist, entrepreneur and culture promoter. Today, with strength of 6000 students and over 750 teaching & non-teaching staff, the Karpagam Academy of Higher Education (KAHE) is setting new benchmarks in the educational sphere.

About the Department

The Department of Mechanical Engineering was established in the year 2009. The department aims at maintaining high standard of excellence through value based education, technology and innovation. The devoted faculty members of the department combine their commitment to research with hard work and commitment in teaching. The Department has well equipped laboratories to impart Training to students with state-of the art technologies.

Workshop Content:

- Introduction of Energy Storage Systems
- Advanced Lithium Batteries
- Principle of operation
- Battery components and design
- Electrode, cell and battery fabrications
- Building block cells, battery modules and packs
- Li-polymer batteries, solid state batteries
- Li-S battery, Li-Air battery
- High temperature batteries for back-up applications
- Battery Thermal Management
- Passive cooling – PCM systems
- Active cooling – Liquids & air systems

Objective of the Workshop:

The goal of a battery thermal management system (BTMS) is to increase the lifetime of Lithium-Ion cells and thus the battery system by regulating the temperature level and distribution.

Resource Persons:

Dr. P. KARTHIKEYAN

Professor,
Department of Automobile Engineering,
PSG College of Technology, Coimbatore.

**KARPAGAM ACADEMY OF HIGHER
EDUCATION****Chief Patron.**

Dr. S. Sudalaimuthu

Vice Chancellor,
Karpagam Academy of Higher Education

Dr. R. Sundarrajan

Registrar,
Karpagam Academy of Higher Education

Patron

Dr. G. K. D. Prasanna Venkatesan,

Dean,
Faculty of Engineering.

Convener

Dr. S. Marimuthu

Professor & Head
Department of Mechanical Engineering.
Karpagam Academy of Higher Education

Organizing Secretaries

Dr. Debabrata Barik

Associate Professor
Department of Mechanical Engineering
Karpagam Academy of Higher Education

Mr. P. Ragupathi

Assistant Professor
Department of Mechanical Engineering
Karpagam Academy of Higher Education

KARPAGAM GROUP OF INSTITUTIONS

- Karpagam Academy of Higher Education
- Karpagam College of Engineering
- Karpagam Institute of Technology
- Karpagam Teacher Training Institution
- Karpagam College of Education
- Karpagam College of Pharmacy
- Karpagam Nursing College
- Karpagam Medical College
- Karpagam Polytechnic College.

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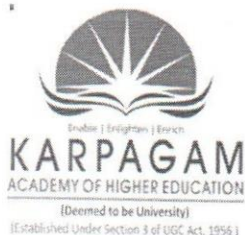
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FACULTY OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING



Report on one day workshop on “Battery Thermal Management System”

DATE OF EVENT : 30th July, 2019
VENUE : Mechanical Seminar Hall

About the Program:

The event of one day skill development program on “Battery Thermal Management System” was organized by the Department of Mechanical Engineering, Karpagam Academy of Higher Education, Coimbatore. This skill development programme was handled by Dr. P. Karthikeyan Professor, Department of Automobile Engineering, PSG College of Technology, Coimbatore. The skill development programme was combination of theoretical studies and hands on training. Dr. P. Karthikeyan explained the concepts of battery technology and he explained how the life span on battery can be improved by cooling it properly.

The programme was started with prayer song in an inaugural session and inaugurated by Dean, Faculty of Engineering and HOD, Mechanical Engineering of Karpagam Academy of Higher Education. The technical session started on the topic “Introduction of Energy Storage Systems”. The hands-on training was handled by Dr. P. Karthikeyan and faculties of Mechanical Engineering Department, Karpagam Academy of Higher Education.

At valedictory session, the Head of the Department, Mechanical Engineering, distributed certificates to the participants and gave vote of thanks.

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