

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act 1956)

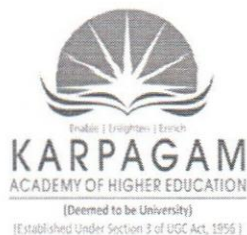
Pollachi Main Road, Eachanari Post,

Coimbatore, Tamil Nadu 641021

Email: info@karpagam.com Web: www.kahedu.edu.in

FACULTY OF ENGINEERING

DEPARTMENT OF AUTOMOBILE ENGINEERING



Report on One day Workshop on “Hybrid Drive Development”

DATE OF EVENT : 14th July, 2016
VENUE : Seminar Hall - Automobile (UE – 308)

About the Program:

The event of one day workshop on “Hybrid Drive Development” was organized by the Department of Automobile Engineering, Karpagam Academy of Higher Education, Coimbatore. This workshop was handled by Dr. V. M. Murugesan, Associate Professor, Department of Automobile Engineering, PSG College of Technology, Coimbatore. The practical secession of the programme was held at Automobile laboratory, Automobile Department, KAHE. The programme was planned to train the students on Hybrid Drive Development for the design and simulation of multiple forms of motive power a hybrid may receive its energy by burning petroleum, but switch between an electric motor and a combustion engine.

The programe was started with prayer song in an inaugural session and inaugurated by Dean, Faculty of Engineering and HOD, Automobile Engineering of Karpagam Academy of Higher Education. The technical session started on the topic “Hybrid Drive Development” by Dr. V. M. Murugesan, Associate Professor, Department of Automobile Engineering, PSG College of Technology, Coimbatore. In this session the speaker interacted with participant in such a way that he introduced the topic so as to understand the software briefly.

The hands on training on Hybrid Drive Development were handled by Dr. V. M. Murugesan and faculties of Automobile Engineering Department, Karpagam Academy of Higher Education in engineering graphics laboratory.

At valedictory session, the Dean, Faculty of Engineering, Head of the department, Automobile Engineering, and Dr. V. M. Murugesan distributed certificates to the participants and gave vote of thanks.

About the Resource Person:

Dr. V. M. Murugesan is currently working as Associate Professor, Department of Automobile Engineering, PSG College of Technology, Coimbatore, India. At PSG College of Technology Dr. V. M. Murugesan teaches and guides graduate, PG, and PhD students in the frontier areas of Automobile Engineering. Apart from academia, he is also involved in various developmental activities of the institution and the society at large.

Dr. V. M. Murugesan holds a doctorate in the field of Automobile Engineering with specialization in simulation of thermal systems.

Dr. V. M. Murugesan focuses his innovative engineering skills on applications of simulation to provide the best yield of manpower, machinery and materials, fluid machinery, refrigeration and air conditioning.

-----XXX-----

One day Workshop

On

“Hybrid Drive Development”

1st July, 2016

Registration Form

Name _____

Designation _____

Organization _____

Official Address _____

Mobile/Telephone _____

E-mail _____

Payment Details

Amount: _____ DD No: _____

Bank _____

Branch _____

Date _____ Signature _____

One day Workshop

On

“Hybrid Drive Development”

14th July, 2016

Venue- Seminar Hall - Automobile (UE – 308)

Organized by

Department of Automobile 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

Coimbatore – 641 021, INDIA

Phone: 0422-2611828, 2611082

Fax: 0422-2611043, 2611646

Email: info@karpagamuniversity.ac.in

Web: www.karpagamuniversity.ac.in



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 Automobile 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:

- Overview of hybrid vehicle
- Types by design
- Types by degree of hybridization
- Types by power source
- Hybrid vehicle operation modes
- Hybrid Components and Architectures
- Fundamentals, Performance and Control of brushless DC motor
- Batteries for Hybrid Vehicle Application
- Case Study of Tesla Models Development
- Battery Management Systems
Modelling and Simulation of BEVs

Objective of the Workshop:

The Indian government has formulated a Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles (FAME India) scheme in the year 2015 to promote manufacturing of electric and hybrid vehicle technology and to ensure sustainable growth of the same under the National Electric Mobility Mission 2020 to encourage the progressive introduction of reliable, affordable, and efficient electric and hybrid vehicles in the country. Most automobile companies are vowing to switch to electric, a cleaner and sustainable alternative.

Resource Persons:

Dr. V.M. Murugesan

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

KARPAGAM ACADEMY OF HIGHER EDUCATION

Chief Patron.

Dr. S. Subramanian

Vice Chancellor,
Karpagam Academy of Higher Education

Dr. G. Sekar

Registrar,
Karpagam Academy of Higher Education

Patron

Dr. R. Sundararajan

Dean,
Faculty of Engineering.

Convener

Dr.P.Shanmughasundaram

Professor & Head
Department of Automobile Engineering,
Karpagam Academy of Higher Education.

Organizing Secretaries

Dr.K.K Padmanabhan

Associate Professor
Department of Automobile Engineering,
Karpagam Academy of Higher Education.

R.Bharat Balaji

Assistant Professor
Department of Automobile 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.