

## One Day Workshop

On

**Pumps and Motors**

**05<sup>th</sup> March, 2018**

### Registration Form

Name \_\_\_\_\_

Designation \_\_\_\_\_

Organization \_\_\_\_\_

Official Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mobile/Telephone \_\_\_\_\_

E-mail \_\_\_\_\_

### Payment Details

Amount: \_\_\_\_\_ DD No: \_\_\_\_\_

Bank \_\_\_\_\_

Branch \_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

## One Day Workshop

On

**Pumps and Motors**

**05<sup>th</sup> March, 2018**

Venue- MBA 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

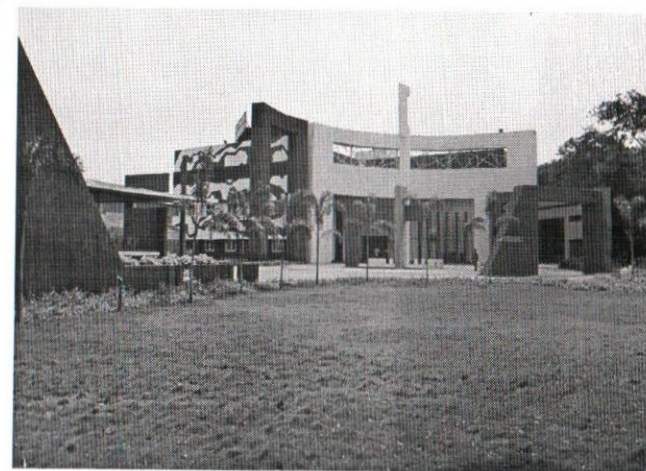
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### About the Institution

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 to Hydraulic Power
- Pascal's law, structure of hydraulic control system
- Gear pumps, Vane pumps, Piston pumps, fixed and variable displacement pumps
- Hydraulic Actuators and Motors
- Control Components in Hydraulic Systems
- Hydraulic Circuit Design and Analysis
- Maintenance of Hydraulic System
- Pump Unloading Circuit, Double Pump Hydraulic System
- Counter balance Valve Application
- Hydraulic Cylinder Sequencing Circuits.

**Objective of the Workshop:**

Hydraulic pumps are used in literally every single hydraulic power transmission system. A hydraulic pump is the device that converts mechanical energy into hydraulic energy, which is a combination of pressure and flow. Mobile applications use hydraulic pumps more prolifically than do industrial machines, because electric actuators are generally not used for mobile machinery.

**Resource Persons:****Mr. A Rajadurai**

Manager Technical, Aquasub Engineering  
Coimbatore-34, Tamil Nadu.

**KARPAGAM ACADEMY OF HIGHER  
EDUCATION****Chief Patron.****Dr. S. Subramanian**

Vice Chancellor,  
Karpagam Academy of Higher Education

**Dr. R. Sundarrajan**

Registrar,  
Karpagam Academy of Higher Education

**Patron****Dr. D. Lakshmanan**

Dean,  
Faculty of Engineering.

**Convener****Dr. P. Shanmugha Sundaram**

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

**Organizing Secretaries****Mr. R. Karuppasamy**

Assistant Professor  
Department of Mechanical Engineering  
Karpagam Academy of Higher Education

**Mr. M. Prakash**

Assistant Professor  
Department of Mechanical Engineering  
Karpagam Academy of Higher Education

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# KARPAGAM ACADEMY OF HIGHER EDUCATION

*(Deemed to be University)*

(Established Under Section 3 of UGC Act 1956)

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**FACULTY OF ENGINEERING**

**DEPARTMENT OF MECHANICAL ENGINEERING**

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## Report on one day workshop "Pumps and Motors"

DATE OF EVENT : 05<sup>th</sup> March, 2018  
VENUE : MBA Seminar Hall

### About the Program:

The event of one day skill development training on "Pumps and Motors" was organized by the Department of Mechanical Engineering, Karpagam Academy of Higher Education, Coimbatore. This skill development programme was handled by Mr. A Rajadurai, Manager Technical, Aquasub Engineering, Coimbatore-34, Tamil Nadu.

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 to Hydraulic Power" by Mr. A Rajadurai, Manager Technical, Aquasub Engineering, Coimbatore-34, Tamil Nadu. He clearly explained about different types of pumps used for industry as well as domestic sectors.

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

**About the Resource Person:**

Mr. A Rajadurai is working as Manager Technical, Aquasub Engineering, Coimbatore-34, Tamil Nadu since last 15 years. Mr. A Rajadurai involved in development of child parts for pumps and motors in the frontier areas of mechanical engineering.

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