

One Day Skill Development Training

On

**Heating, Ventilation and Air
Conditioning (HVAC)**

10th July, 2017

Registration Form

Name _____

Designation _____

Organization _____

Official Address _____

Mobile/Telephone _____

E-mail _____

Payment Details

Amount: _____ DD No: _____

Bank _____

Branch _____

Date _____ Signature _____

One Day Skill Development Training

On

**Heating, Ventilation and Air
Conditioning (HVAC)**

10th July, 2017

Venue- Seminar Hall - Mechanical (UE – 308)

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)

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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 HVAC, Scope of HVAC Industry
- Concepts of Air conditioning systems
- Refrigerant cycle, Chilling system
- Cooling, Heating, Humidification Methods
- Dehumidification Methods, Filtration
- Air-conditioning systems
- Window Air conditioning, Split Air conditioning, VRV- Air conditioning
- Central Air Conditioning System
- Chilled water system, Psychometric chart
- Properties of Air, Refrigerant
- Refrigerant Pipe sizing method

Objective of the Workshop:

HVAC systems are responsible for the continuous regulation of the environment surrounding your telecom equipment. As the outside weather changes, the environment in which your equipment is housed will change as well. It is important to protect the equipment from over-heating, freezing, moisture, etc. Data analytics of HVAC systems helps in regulating the temperature of a building and lowering humidity by ensuring that moisture in a building is kept under control.

Resource Persons:

Dr. K. Ramesh

Associate Professor
Department of Mechanical Engineering,
GCT, Coimbatore, Tamil Nadu.

KARPAGAM ACADEMY OF HIGHER EDUCATION

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Convener

Dr. P. Shanmugha Sundaram

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

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Associate Professor
Department of Mechanical Engineering
Karpagam Academy of Higher Education

R. Karuppasamy

Assistant Professor
Department of Mechanical Engineering
Karpagam Academy of Higher Education

KARPAGAM GROUP OF INSTITUTIONS

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- Karpagam College of Pharmacy
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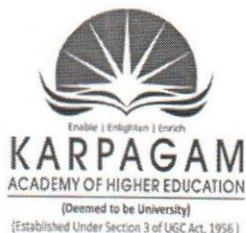
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FACULTY OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING



Report on one day skill development training on “Heating, Ventilation and Air Conditioning (HVAC)”

DATE OF EVENT : 10th July, 2017
VENUE : Seminar Hall - Mechanical (UE – 308)

About the Program:

The event of one day skill development training on “Heating, Ventilation and Air Conditioning (HVAC)” was organized by the Department of Mechanical Engineering, Karpagam Academy of Higher Education, Coimbatore. This skill development programme was handled by Dr. K. Ramesh, Associate Professor, Department of Mechanical Engineering, GCT, Coimbatore, Tamil Nadu. The skill development programme was split into two parts. In first session Dr. Ramesh explained about the concept of heating and ventilation. He elaborately described the various international and national ventilation standards set by the government. In the second session he explained about the mechanism of air conditioning. This programme was planned to train the students on HVAC domestic and industrial application....

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 HVAC and scope of HVAC Industry” by Dr. K. Ramesh, Associate Professor, Department of Mechanical Engineering, GCT, Coimbatore.

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

About the Resource Person:

Dr. K. Ramesh is Associate Professor in the Department of Mechanical Engineering, GCT, Coimbatore. At GCT Coimbatore, Dr. K. Ramesh teaches and guides UG, PG, and PhD students in the frontier areas of mechanical engineering especially focusing on the thermal engineering, alternative fuel, combustion analysis, and heat transfer. Apart from academia, he is also involved in various developmental activities of the institution and the society. He has produced more than seven PhD scholars and he published more than 50 international journals indexed in SCI, and SCIE.

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