

One day Workshop

On

“ANSYS”

12th March, 2019

Registration Form

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Designation _____

Organization _____

Official Address _____

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Amount: _____ DD No: _____

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Date _____ Signature _____

One day Workshop

On

“ANSYS”

12th March, 2019

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)

Pollachi Main Road, Eachanari Post

Coimbatore – 641 021. INDIA

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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:

- Ansys workbench overview
- Basic mechanical interface
- Graphics controls and selection
- Tagging and tree filtering
- Graphics window, mechanical application
- Scoping loads and supports, engineering data application
- Geometry, connections, co-ordinate systems
- Thermal contact, thermal boundary
- Conditions.
- Global, local meshing, controls
- Virtual topology, Sub-modelling
- Basics of steady state heat transfer
- Geometry and material properties

Objective of the Workshop:

ANSYS meant to enable engineers to conduct simulations during the design cycle. ANSYS allows users to setup and execute simulations. ANSYS Workbench platform is the backbone for delivering a comprehensive and integrated simulation. It is used to perform various types of structural, thermal, fluid, and electromagnetic analyses. It is also a cutting-edge simulation tool for integrated geometry modeling based on ANSYS Space Claim technology.

Resource Persons:

Dr. R. Sathiyamoorthy

Assistant Professor
Department of Mechanical Engineering,
Anna Univ., Coimbatore Campus

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Karpagam Academy of Higher Education

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Karpagam Academy of Higher Education

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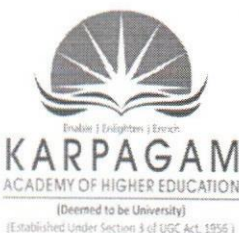
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FACULTY OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

Report on One day Workshop on Skill development using “ANSYS”

DATE OF EVENT : 12th March, 2019
VENUE : Seminar Hall - Mechanical (UE – 308)

About the Program:

The event of one day workshop on “ANSYS” was organized by the Department of Mechanical Engineering, Karpagam Academy of Higher Education, Coimbatore. This skill development programme was handled by Dr. R. Sathiyamoorthy, Assistant Professor, Department of Mechanical Engineering, Anna Univ., Coimbatore Campus. The practical secession of the programme was held at engineering graphics laboratory, Mechanical Department, KAHE. The programme was planned to train the students on ANSYS for the design and simulation of complex mechanical components to study structural, thermal, fluid, and electromagnetic properties.

The programe 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 “ANSYS workbench overview” by Dr. R. Sathiyamoorthy, Assistant Professor, Department of Mechanical Engineering, Anna Univ., Coimbatore Campus. 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 ANSYS were handled by Dr. R. Sathiyamoorthy and faculties of Mechanical Engineering Department, Karpagam Academy of Higher Education in engineering graphics laboratory.

At valedictory session, the Dean, Faculty of Engineering, Head of the department, Mechanical Engineering, and Dr. R. Sathiyamoorthy distributed certificates to the participants and gave vote of thanks.

About the Resource Person:

Dr. R. Sathiyamoorthy is currently working as Assistant Professor, Department of Mechanical Engineering, Anna Univ., Coimbatore Campus., India. He teaches and guides graduate, PG, and PhD students in the frontier areas of Mechanical Engineering. Apart from academia, he is also involved in various developmental activities of the institution and the society at large.

Dr. R. Sathiyamoorthy holds a doctorate in the field of Mechanical Engineering with specialization in simulation of thermal systems. Dr. R. Sathiyamoorthy focuses his innovative engineering skills on applications of simulation to provide the best yield of manpower, machinery and materials, fluid machinery.

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