

ABOUT KARE

Kalasalingam Academy of Research and Education (KARE) was established in the year 1984 by the Kalasalingam Anandam Ammal Charities. Kalasalingam University ranked No.7 in research among the private universities in India in terms of volume and quality research as per SRI reports. This University is the first institution in India to offer the bachelor degree course in Engineering for the Speech and Hearing Impaired Students. The University has signed MoU with foreign universities, research organizations and industries with an objective of promoting research and development. Recently, our University is accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade.

DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering, being one of the oldest departments of the institute, provides its students effective teaching-learning process and state-of-the-art laboratories. The department is constantly striving to attain excellence in education, teaching, academic and industry oriented research as well as consultancy work with service to the society. The department has established state of the art laboratories namely Materials Processing Laboratory, Advanced Machining & Measurement Laboratory and Machine Dynamics & Condition Monitoring Laboratory under Level 1 of the Fund for Improvement of S&T Infrastructure in Universities & Higher Educational Institutions. The department has been equipped with the research centers such as Centre for Composite Materials and Centre for Advanced Thermal Studies. The department is currently having funded research projects in the areas of optimization studies, composite materials, machining studies, supersonic flow, heat transfer and CO₂

sequestration. The department has modern laboratories and workshop facilities with ultra-modern sophisticated equipment to carry out research in all areas related to Mechanical and Manufacturing Engineering. Both undergraduate and postgraduate students of the department are well placed in leading industries as well as in the higher research level institutions of international recognition.

Vision

To be recognized globally as a Lead in Mechanical Engineering through Excellence in Education and Innovative research in Emerging areas.

Mission

To provide quality education and research with the state of the art facilities to the student. This is accomplished by:

- Enhancing the knowledge and expertise through professional programmes and research works.
- Endowing the students with Academic Leadership, Communication skills and Professional Awareness.

EVENTS HELD:

21st December, Thursday

09:00 – 10:30 – Introduction to ANSYS Fluent

10:30 – 10:45 – Break

10:45 – 12:30 – Features in ANSYS Fluent

12:30 – 01:30 – Lunch break

01:30 – 04:30 – Scope of Fluent in research

RESOURCE PERSON:

“Ensol CFD Academy, Chennai”

ELIGIBILITY:

Students, Faculty members, research scholars and industry participants can apply.

ONE DAY WORKSHOP ON ANSYS FLUENT

DATE: 21.12.2017



ORGANIZED BY

**DEPARTMENT OF MECHANICAL
ENGINEERING**

KALASALINGAM UNIVERSITY

KRISHNANKOIL – 626126

**ORGANISING COMMITTEE
CONVENERS**

Dr. S. MUTHUVEL, Associate Professor
Mr. S. ANANTHA KRISHNAN, Assistant Professor
Mr. C. SANKAR, Assistant Professor
Mr. V. GANESHAMOORTHY, Assistant Professor
Department of Mechanical Engineering
Kalasalingam University

ONE DAY WORKSHOP ON ANSYS FLUENT

21.12.2017

REGISTRATION FORM

Name (s) : _____

Designation : _____

Organization: _____

Address : _____

Phone : _____

Fax : _____

E - Mail : _____

Date :

Place :

Signature

ABOUT THE PROGRAMME

ANSYS FLUENT software contains the broad physical modeling capabilities needed to model flow, turbulence, heat transfer, and reactions for industrial applications ranging from air flow over an aircraft wing to combustion in a furnace, from bubble columns to oil platforms, from blood flow to semiconductor manufacturing, and from clean room design to wastewater treatment plants. Special models that give the software the ability to model in-cylinder combustion, aero acoustics, turbo machinery, and multiphase systems have served to broaden its reach.

Today, thousands of companies throughout the world benefit from the use of ANSYS FLUENT software as an integral part of their design and optimization phases of product development. Advanced solver technology provides fast, accurate CFD results, flexible moving and deforming meshes, and superior parallel scalability. User-defined functions allow the implementation of new user models and the extensive customization of existing ones. ANSYS FLUENT's interactive solver set-up, solution, and post-processing make it easy to pause a calculation, examine results with integrated post-processing, change any setting, and then continue the calculation within a single application. Case and data files can also be read into ANSYS CFD-Post for further analysis with advanced post-processing tools and to compare results from different cases side-by-side.

The integration of ANSYS FLUENT into ANSYS Workbench, provides users with superior bi-directional connections to all major CAD systems, powerful geometry modification and creation with ANSYS Design Modeler and advanced meshing technologies in ANSYS Meshing. It allows brings the easy drag-and-drop transfer of data and results to share between applications (e.g. to use a fluid flow solution in the definition of a boundary load of a subsequent structural mechanics simulation). Combine these benefits with the extensive range of physical modeling capabilities and fast, accurate CFD results that

ANSYS FLUENT software has to offer and you have one of the most comprehensive software packages for CFD modeling available in the world today.

ABOUT THE ACADEMY

Since 2016, Ensol CFD Academy in Adyar, Chennai has been offering professional training to students. It specialises and is well-known for training students as well as working professionals in accounting, web designing, programming languages, hardware and networking. It is run and managed by a seasoned professionals who leads a team of educators and trainers having relevant domain expertise. At this institution, one can get trained in the subject of their choice by opting from a wide range of courses. These easy-to-follow courses are primarily aimed at students, working professionals as well as IT professionals who want to enhance their knowledge and further their career prospects. Located Dhanalakshmi Avenue, you can find this institution with relative ease at No 75 1st Floor in Adyar. Undoubtedly it is one of the best computer training institutes in Adyar, Chennai.

Ensol CFD Academy in Adyar offers short-term courses and certificate courses. Inclusive of comprehensive learning, the long-term programmes feature subjects such as web development, financial accountancy, computer application and programming, information technology, multimedia and web-designing. Some of the short-term courses cover topics like Windows XP, 7, 8, 10, Vista, MS Office, DTP (Desk Top Publishing), Web Designing, Multimedia, Tally ERP 9, C, C++ , and Visual Basic.

REGISTRATION FEES:

Faculty member & Research Scholar: Rs. 300/-

Industry Participants: Rs 500/-

A maximum of 30 registrations are permissible on first come first serve basis

CONTACT:

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