



*Certificate Course
ON*

ADVANCEMENTS IN COMPUTATIONAL FLUID DYNAMICS

From 10th June 2018 to 14th June 2019



ORGANIZED BY

DEPARTMENT OF MECHANICAL ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,

(Approved by AICTE, Permanently Affiliated to JNT University Kakinada,
ACCREDITED BY NAAC and Recognized under 2(f) & 12 (b) by UGC, NewDelhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

AVANTHI EDUCATIONAL SOCIETY

Avanthi Educational Society under the Leadership of Sri M. Srinivasa Rao garu as chairman was started in the Year 1991. Within a short span of its establishment, the group has made a remarkable stride in the field of education offering various courses at Under Graduate, Post Graduate, Pharmacy & Engineering levels. This milestone is achieved as the institution carved itself to impart quality and career oriented education, countering the challenges of the modern world through planning, dedication, determination, prompt execution and with the innovative ideas of our advisory board.

Today, Avanthi Educational Society is proud to have a strength of over 16000 students with 15 institutions under its ambit. It is the path of glory towards the success during the last 19 years. The institution has been adjudged many times as the second best educational institutions in the twin cities and 16th best in all over India through the impartial survey made by the renowned magazine "India Today".

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

AIET started in the year 1999 and offers various courses at Engineering and PG level. The college is providing with rooms, computer centre, laboratories and seminar hall with audio-visual equipments. Industry Institute interaction is conducted regularly to emphasize on the latest trends in the present market.



It is very near to Narsipatnam. Frequent bus facilities are available both from and to Visakhapatnam and Narsipatnam. Very safe and secure hostel facility is available for Girl students. These are the additional facilities besides excellent academic atmosphere in the college campus.

DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering department was started in the year 2005 with intake strength of 60 seats, this was increased to 120 students in 2012 and this was increased to 180 students in 2013. The department has well qualified and trained faculty members. It has well equipped laboratories and workshops and includes a CAD/CAM laboratory where students are imparted training in advanced production techniques and design and analysis of machine elements.

The department of Mechanical Engineering has been contributing its humble share of the Mechanical Engineering graduates for national needs. Several of the graduates who have passed out of this department are occupying responsible positions in various Engineering Industries like Hindustan Shipyard Limited, Renault Nissan, Varun Motors, Tata Consultancy Services, HP and IBM and holding responsible positions in the premier educational institutes in and outside India.

CHIEF PATRON

Smt .M.Gnaneswari
President ,
Avanathi Educational Society

PATRON

Dr. C P V N J Mohan Rao
Principal,
Avanathi Institute Of Engineering And Technology

CHAIRMAN

Sri. V. Harikiran
Head of the Department
Mechanical Engineering

ABOUT WORKSHOP

CFD has become a widely used and universally accepted procedure in many academic and industrial sectors. The goal of the workshop is to cover wide areas of multidisciplinary topics in CFD. The CFD tool used in the FDP is Ansys Fluent. It is a simulation software in computational fluid dynamics (CFD) and Multiphysics for the design and optimization of industrial processes, as well as numerical solutions for the assessment and reduction of environmental impacts and industrial hazards. This FDP offers excellent guidance not only on how to use CFD software, but also the theoretical background required for CFD. This FDP will be appropriate for Faculty, Research Scholars, PG Scholars, and Industry delegates, who are actively involved in Heat transfer, fluid flow, FSI, environmental study, multiphase flow problems to name few.

TOPICS TO BE COVERED

Introduction to CFD and Overview of Software Platforms, Geometry and Grid generation, 2D and 3D Meshing, Structured and Unstructured Meshing, Heat Transfer, Combustion, Fire and Explosion, Multiphase Flows, Fluid-Structure Interaction, Ventilation and Smoke Propagation, Nuclear, Aerospace and Defence, Automotive, Railway and Tunnels, Piping and Process, Electrolysis and Battery, Atmospheric Flows and Air Quality

For Registration please contact Mr. M.S.Naidu, Assistant Professor,
Department of Mechanical Engineering.

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY



TAMARAM (V), MAKAVARAPALEM (MD), VISAKHAPATNAM-531113

DEPARTMENT OF MECHANICAL ENGINEERING

Dt. 04th June, 2019.

CIRCULAR

We are happy to inform you that, Department of Mechanical Engineering AIET is organizing 5days certificate course on 'Advancement in Computational Fluid Dynamics' from 10th June 2019 to 14th June 2019 in physical mode for all the II, III & IV Year mechanical students. Interested candidates are directed to enroll above course on or before 08/06/2019. For any further information Contact course coordinator Mr. M. S. Naidu, Assistant Professor, Mechanical Engineering Department

Resource Person –

1. Sri K. Leela Kumar,

Assistant Professor,

Mechanical Engineering Department

VIGNAN'S Institute of Information,

Duvvada, Gajuwaka.

2. Dr. P. Rama Krishna,

Ph. D. Mechanical Engineering

CEO, Bench Mark Engineering solutions,

Visakhapatnam.

V. Hari kiran

Head of the Department

Mechanical Engineering

Copy to: Principal, AIET

Avanthi Institute of Engg. & Techno(09)
Tamararam, Makavarapalem Md.,
Visakhapatnam District, PIN-531113

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