ABOUT THE INSTITUTE

The institute was established in the year 1984 at Bhausahebnagar (Tal. Niphad, Dist. Nashik) and shifted to Nashik City in September 1986.
The institute is approved by All India Council of Technical Education (AICTE), New Delhi and Government of Maharashtra, permanently affiliated to Savitribai Phule Pune University and has recognition under section 2(F) and 12(B) of (UGC ACT 1956). The institute is adjudged as Grade 'A' by Government of Maharashtra. The institute is Accredited by National Assessment & Accreditation Council (NAAC) with "A" Grade, Accredited by HLACT International, 7 departments of the institute are accredited by National Board of Accreditation (NBA). It is only institute in Nashik to be grouped thrice under "Platinum Category" by AICTE-CII Survey of Industry Linked Institutes and according to NIRF ranking survey 2016 ranked 85th amongst all engineering institutes in India.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering, established in 1995, is accredited by the NBA, AICTE, New Delhi. It is equipped with state-of-the-art laboratories and equipment, ensuring a strong foundation for academic excellence. The department consistently achieves outstanding results and fosters a vibrant co-curricular environment, actively engaging in organizations such as SAE, ISHRAE, MESA, and Renewable Energy Clubs. Through the KK Motorsports Club, students participate in prestigious national and international competitions, including SAE E-BAJA, Go-Kart, and Quad-Torc.

ABOUT THE WORKSHOP

The FDP is designed to equip faculty members and researchers with advanced skills in engineering simulation and analysis. The program focuses on both theoretical and practical aspects of Finite Element Analysis (FEA) and Computational Fluid Dynamics (CFD) using ANSYS.

Participants will benefit from expert-led sessions, hands-on practice, and project-based learning, enabling them to apply these powerful tools in their academic and research endeavors. The FDP aims to foster a deeper understanding of mechanical and fluid systems, enhance teaching methodologies, and promote innovation in engineering education.

About IET

The Institution of Engineering and Technology (IET) is a prominent global professional body that supports over 158,000 members in more than 150 countries. It was established in 2006 through the merger of the Institution of Electrical Engineers (IEE) and the Institution of Incorporated Engineers (IIE). The IET publishes leading journals, magazines, and books on engineering and technology topics and offers a range of resources for education and professional development. The IET focuses on key areas such as energy, transport, healthcare, IT, and manufacturing, striving to inspire, inform, and influence society about the importance and impact of engineering solutions.

Our Inspiration

Late Padmashri Kakasaheb Wagh

Late Hon. Shri. Balasaheb Wagh

K. K.WAGH EDUCATION SOCIETY'S

K.K.WAGH INSTITUTE OF ENGINEERING EDUCATION AND RESEARCH, NASHIK

(An Autonomous Institute from AY 2022-23)

Patrons

Hon. Shri. Sameer B. Wagh

Chairman, K. K. Wagh Education Society

Director

Dr. K. N. Nandurkar

Convener

Dr. P. B. Kushare

Workshop Coordinators

Prof. N. V. Patil

Prof. A. D. Bhagure

Who Should Attend

- Faculty/Students from Mechanical, Civil, Chemical, Automotive, Mechatronics, Robotics background
- Professionals from Industry

REGISTRATION

To register for this workshop, please contact us at ***nvpatil@kkwagh.edu.in,*** spaces are limited, so please register early to avoid disappointment.

Last date of Registration: 28th Sept 2024

Only 40 Participants will be selected for the FDP

Registration Fees:

- **Free for IET members and KKWIEER faculty members**
- For others Rs. 300/- per participant
- Lunch will be arranged for participants from external organizations.
- No TA/DA will be provided**.**

Registration & Payment link:

https://forms.gle/Ly37jZ8YGpJ6fVNc9

Certificate will be provided after successful completion of FDP with 80% attendance and submitting all session's feedback.

Eminent Speaker

Mr. Chetan V. Patil & Mr. Surjith Baig R.
Sr. Application Engineer
ARK Info solutions Pvt. Ltd.
(ANSYS Academics)

Objective

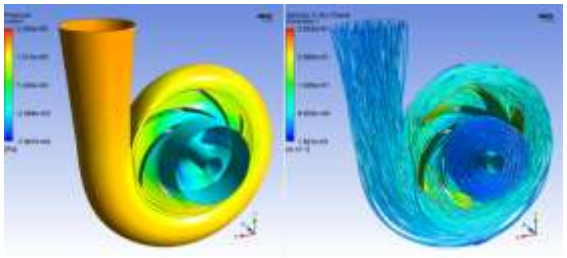
1. Develop a deep understanding of FEA and CFD principles using ANSYS software.
2. Learn to apply ANSYS tools for solving real-world mechanical and fluid dynamics problems.
3. Enhance skills in modeling, simulating, and interpreting mechanical system behavior under various conditions.
4. Gain practical experience through hands-on sessions
5. Enhance collaborative efforts in research and teaching within engineering disciplines.

Course Content

The workshop will be divided into two main sections:

- **Section 1:**
  ANSYS Mechanical: basics of ANSYS, Static structural Analysis – Linear, Non-linear, Dynamic, Modal, Harmonic Analysis, Multibody Dynamic Analysis.
- **Section 2:**
  ANSYS CFD: Introduction to CFD, meshing Techniques for CFD, Flow through a Simple Pipe, External flow, T-Junction etc.

- Hands-on training for ANSYS Mechanical and CFD with case studies.



A

One Week Faculty Development Program

on

Simulation and Analysis of Mechanical Systems using ANSYS and CFD

(30th Sept. - 04th Oct. 2024)

The Institution of Engineering and Technology

ORGANISED BY

Mechanical Engineering Department
In association with
IET Nashik Local Network

K. K. Wagh Institute of Engineering Education and Research. Nashik – 422 003, (M.S.), India
Phone: (0253) 2512876, 2512867
Fax: (0253) 2511962

Website: https://engg.kkwagh.edu.in