Aim and Objective of Workshop

In recent years, the development of numerical and analytic methods for solving fluid dynamics problems has fastly grown up among the scientific community. Indeed, the wide variety of methods and their applications had a crucial impact on engineering, industry, chemistry or medicine as well as many other fields. This workshop aims to gather experts to discuss the building of numerical methods in the context of fluid dynamics and to illustrate their use with concrete applications.

This workshop is specifically planned for buddying researchers who are using numerical and analytical methods for solving fluid flow problems and are unaware of machine learning usage in fluid dynamics.

Registration Fee

There is no registration fee to attend this workshop.

Eligible Participants

The workshop is planned for the PG students, research scholars and early career faculty members working in the area of fluid mechanics and are interested to explore the heat and mass transfer mechanism in computational fluid dynamics problems.

5 Days Workshop on "Heat and Mass Transfer Problems in Computational Fluid Dynamics"

Date: 21st April to 25th April 2025

Venue: TEL Center, 2nd Floor, Academic Block – II, NIT AP, Jote, Arunachal Pradesh, INDIA – 791113

Organized by

Department of Mechanical Engineering, National Institute of Technology Arunachal Pradesh

Patron

Prof. Mohan V Aware

Director, NIT Arunachal Pradesh

Chairman

Dr. Manjula Das Ghatak

(HoD)

Assistant Professor

Department of Mechanical Engineering

Convenor

Prof. (Dr.) Ram Prakash Sharma

Professor

Department of Mechanical Engineering

National Institute of Technology Arunachal Pradesh

Invited Speakers

Eminent Speakers from IITs, NITs, and

Reputed Institutions of Bharat

About the Institute

National Institute of Technology Arunachal Pradesh (NIT AP) is one of the 10 new NITs established during the year 2010 by the Ministry of Education, Government of India. The institute is situated in the lap of rivers Papum and Pare engulfed by the Hills of the lower Himalayan range. NIT AP secured 126th rank in the National Institutional Ranking Framework (NIRF) 2023. In addition, NIT AP has established academic and research collaborations with different International and National level institutes such as GIFU University, Japan, IIT Kanpur, Electronics Sector Skill Council of India (ESSCI), and North-East Centre for Technology Application and Research (NECTAR) for conducting various entrepreneurship development programs for training, Research, collaboration and start-up business models. Currently, more than 1040 students are enrolled in the B. Tech, M. Tech, and PhD courses of the institute.

website: www.nitap.ac.in

About the Department

The Department of Mechanical Engineering offers specialized tracks in Manufacturing, Fluids & Thermal Engineering, and Design. Manufacturing Engineering delves into optimizing production processes such as machining and additive manufacturing, ensuring efficiency and quality control throughout. Fluids & Thermal Engineering explores the behavior of fluids and heat transfer, applying principles to systems like HVAC and renewable energy technologies. Design Engineering focuses on the creative and technical aspects of mechanical systems, integrating CAD tools for modeling and analysis, with a strong emphasis on materials selection and structural integrity. Through hands-on projects and internships, students gain practical experience, preparing them for careers in diverse industries such as automotive, aerospace, and manufacturing, where their expertise in innovation and problem-solving is crucial.

Registration link: Click here

The important dates are

Last date to fill the google form: 16-04-2025

Intimation to selected candidates: 18-04-2025

Workshop Dates: April 21-25, 2025

Selected candidates will be informed through email for final registration.

Note: Certificates will be provided to all candidates who successfully attend the workshop.

Participants will be provided accommodation in the hostels of NIT AP

Address for Correspondence

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