



AICTE Training and Learning (ATAL) Academy
Sponsored

Faculty Development Program
on

Advanced Computational Fluid Dynamics

Organised by
Institute of Engineering and Technology, Lucknow

from November, 23rd to 27th, 2020

CHIEF PATRONS



Prof. Anil D. Sahasrabudhe
Hon'ble Chairman
AICTE



Prof. Vinay Kumar Pathak
Hon'ble Vice Chancellor
AKTU Lucknow

PATRONS



Dr. Ravindra Kumar Soni
Director
ATAL Academy



Prof. H K Pallwal
Director
IET Lucknow

SPEAKERS



Prof. Pradyumna Ghosh
IIT (BHU), Varanasi



Dr. Om Prakash Singh
IIT(BHU), Varanasi



Dr. Subhankar Sen
IIT(ISM) Dhanbad



Dr. Mohsen Shekholeslami Kandelousi
Babol Noshirvani
University of Technology,
Babol, Iran



Dr. Hakan Fehmi ÖZTOP
Firat University, Elazig
Turkey



Dr. Zafar Said
University of Sharjah,
United Arab Emirates (UAE)



Dr. Ajay Bhandari
IIT(ISM) Dhanbad



Dr. A. R. Paul
National Institute of Technology,
Allahabad



Dr. Varun Goel
National Institute of Technology,
Hamirpur

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(ATAL) Academy

TOPICS TO BE COVERED

- Introduction to CFD
- Governing equations
- CFD principles and practices
- Different methods of solving the fluid flow and heat transfer problems
- Transcendental, Simultaneous algebraic equations, Numerical differentiation and Integration
- Tri-diagonal matrix using Thomas Algorithm
- ODE, PDE (1-D and 2-D heat conduction with different boundary condition)
- Incompressible Navier-Stokes equations, Solution of inviscid incompressible fluid flows
- ANSYS-FLUENT to solve the problems of heat transfer analysis

ABOUT THE INSTITUTE



IET was established by the government of Uttar Pradesh in 1984, for imparting technical education. The institute is fully financed by Uttar Pradesh Government. The institute is fully residential. The institute was formerly affiliated (1984-1999) to the University of Lucknow, and from 2000-2012 to Uttar Pradesh Technical University, currently Autonomous Institute and recognised by AICTE. The institute had been a constituent college of Gautam Buddha Technical University (2010-2012). Currently it is under Dr. A.P.J. Abdul Kalam Technical University (2015–present).

For more information visit <http://ietlucknow.ac.in/>

WHO SHOULD ATTEND

- Faculty members of the AICTE approved institutions, research scholars, PG, Scholars, participants from Government, Industry (Bureaucrats/ Technicians/ Participants from Industry etc.)

REGISTRATION FEE

- There is **no registration fee** for the participants of this program.

CONDITIONS FOR CERTIFICATION

- The certificates will be issued to those participants who have attended the program with **minimum 80% of attendance** and scored minimum **60% marks** in the test.
- A test will be conducted by the coordinator at the end of the program.

REGISTRATION PROCESS

- Registration of participants will be done through webpage <https://www.aicte-india.org/atal> only.
- Registration is to be done latest by 21st November, 2020.
- **Maximum 200 participants** are allowed to attend on a first come first serve basis.
- **Note : Selected participants will be informed via e-mail only**

ORGANIZING COMMITTEE MEMBERS

- Prof. Shailendra Sinha, IET Lucknow
- Mr. Arun Mital, IET Lucknow
- Mr. Amitesh Pandey, IET Lucknow
- Mr. Prayass, IET Lucknow
- Mr. Abhay Ratna Pandey, IET Lucknow

CO-ORDINATOR

CO-ORDINATOR



Dr. Arun Kumar Tiwari
Head, MED
IET Lucknow

CO-CORDINATOR



Dr. Ajay Kumar Sharma
Assistant Professor, MED
IET Lucknow

CONTACT INFORMATION

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