

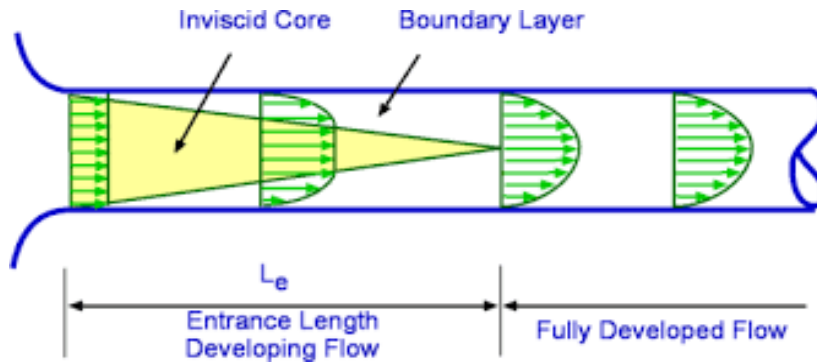
In association with School of Advanced Sciences (SAS)

Cordially invites you to

5 Days FDP (10.00 AM - 5.00 PM)

Faculty Coordinators : Dr. Padigepati Naveen, Dr. Peri Kameswara Kameswaran

Computational Fluid Dynamics for Beginners: Modeling and Applications



Discussion Points :

- ❖ Governing Equations of Fluid Flows
- ❖ Applications to Boundary Layer Flows
- ❖ Basics of Finite Difference Method
- ❖ Finite Difference Scheme with Quasilinearization Technique to Solve Fluid Flow Problems
- ❖ Keller-Box Method and its Applications
- ❖ Numerical Solution of Boundary Layer Equations using Spectral Methods
- ❖ Linear and Non-Linear Stability Analysis
- ❖ Flow through Porous Media: Linear Stability Analysis
- ❖ Transport phenomena in porous media

Resource Persons :

Prof. Satyajit Roy, Indian Institute of Technology Madras,
Dr. Panchatcharam Mariappan, Indian Institute of Technology Tirupati,
Prof. M. Devakar, Visvesvaraya National Institute of Technology Nagpur,
Dr. Ch. Ramreddy, National Institute of Technology Warangal,
Dr. G. Janardhana Reddy, Central University of Karnataka, Kadaganchi,
Dr. Raj Nandkeolya, National Institute of Technology Jamshedpur,
Dr. Buddakkagari Vasu, Motilal Nehru National Institute of Technology Allahabad,
Dr. Ravi Ragoju, National Institute of Technology Goa, Farmagudi,
Dr. Venkatarao Chukka, Assam University (A Central University), Silchar.

27-Feb to 03-Mar-2023
(Monday - Friday)@ 10:00AM-5:00PM

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