

Who Shall Attend?

Research Scholars, Faculty & Industry Persons who are enthusiastic in learning the CFD applications in the field of Civil Engineering.

Registration & Payment

<http://vitchennaievents.com>

<https://forms.gle/BSjQNYxV9zJ5fxs4A>

Registration is limited and on first come first served basis. E certificates will be provided to all participants

Registration Fees

Research Scholars/ Faculty : Rs. /- 250
Industrial Person : Rs. /-500

Dates to Remember

Last date for applying:
Confirmation to the participants:

Address for Communication

Dr. Sivakumar R and

Dr. Karthiyaini S,

Organizing Secretaries,
Computational Fluid Dynamics (CFD) – A Civil
Engineering Prospective,
School of Mechanical Engineering and
School of Civil Engineering,
VIT Chennai,
Vandalur - Kelambakkam Road,
Chennai - 600 127.
Email: sivakumar.r@vit.ac.in
karthiyaini.s@vit.ac.in.
Contact No: +91- 9487833044.
Or 7708424048

VIT CHENNAI

VIT for the past 34 years has made a mark in the field of higher education in India imparting quality education in a multi-cultural ambience, intertwined with extensive application-oriented research. VIT was established with the aim to provide quality higher education on par with International Standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. VIT was established by well-known educationalist and former parliamentarian, Dr. G. Viswanathan, Founder and Chancellor, a visionary who transformed VIT into a center of excellence in higher technical education. Govt. of India recognized VIT as an Institution of Eminence (IoE). ARIIA, Govt. of India recognized VIT as a No. 1 Private University for Innovation. MHRD, Govt of India ranked VIT as No. 15 among the Engineering Institutions (NIRF-2020 ranking). VIT Chennai is ably spearheaded by Dr. Sekar Viswanathan, Vice President, Dr. Rambabu Kodali, Vice Chancellor and Dr. V. S. Kanchana Bhaaskaran, Pro-Vice Chancellor. They share in the mission to make VIT a global center. The focus is:

- To maximize the Industrial connectivity
- To create Centers of Excellence in contemporary areas of research
- To enrich Technological and Managerial Human Capital nurtured in a multicultural ambience
- To provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- To create opportunities and exploit the available resources to benefit industry/society
- To encourage participation in the National Agenda of knowledge building
- To foster International collaborations for mutual benefits in areas of research
- To maximize the Industrial connectivity
To create Centers of Excellence in contemporary areas of research
- To enrich Technological and Managerial Human Capital nurtured in a multicultural ambience



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

CHENNAI

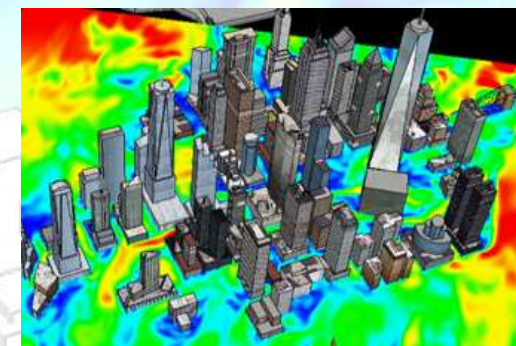
National Workshop

on

Computational Fluid Dynamics (CFD)

A Civil Engineering Perspective

19th, December 2020



Organized by

School of Civil Engineering (SCE)

School of Mechanical Engineering (SMEC)

VIT Chennai.

VIT-A place to learn; chance to grow

*VIT – Recognized as Institution of
Eminence (IoE) by Government of India*

About SMEC & SCE

The School of Mechanical and Civil Engineering (SMEC & SCE) at VIT Chennai was established to impart state-of-the-art education, training and research in the field of Mechanical and Civil Engineering. It offers B.Tech, M.Tech, M.Tech (Research) and Ph.D. Programmes in the domain of Mechanical and Civil Engineering. The expertise of the faculty members covers a broad spectrum of areas like Energy, Design, Thermal, CAD/CAM, Manufacturing, Mechatronics, Nanotechnology, Structural and Geotechnical Engineering, Environmental Engineering, Water Resources and Transportation Engineering.

SCE and SMEC has over 92% of teaching faculty with doctorates giving high emphasis for research along with innovative teaching methods which helps to involve students in research and project-based learning in the school. The school has ongoing partnerships with many overseas Universities which help the students to do their Semester Abroad Program (SAP). All the regular programmes of the school follow the University Curriculum for Applied learning (CAL) and the curriculum & syllabi are benchmarked with renowned Universities like Rochester Institute of Technology, Denver, Georgia Tech.

About the workshop

Fluid flow plays an increasingly vital role in design within the construction industry. Fluids in civil engineering are mostly air and water and the questions to be answered are the forces induced by fluid motion and the transport of heat or particles within the fluid. Computational Fluid Dynamics (CFD) is being used by the civil engineers worldwide from ensuring wind comfort and safety of the building to the testing and planning HVAC systems for thermal comfort, air quality, fire safety and energy efficiency.

CFD also deals with the monitoring the efficiencies of the hydraulic and costal structures including wave modelling.

Objective of the Workshop

To train the participants on the Computational Fluid Dynamics which plays an important role in construction technology and Structural engineering.

Conveners

Dr K Muthumani, Professor and Dean, SCE
Dr Sivakumar R, Professor and Dean, SMEC

Coordinators

Dr. R Sivakumar,
Professor and Dean, SMEC, VIT Chennai.

Dr. Karthiyaini S,
Associate professor, SCE, VIT Chennai

Schedule

Session	Timings	Topic
Session 1	8.30 am – 9.00 am	Inauguration
Session 2	9.00 am – 10.30 am	CFD - Overview
Session 3	11.00 am – 12.30 pm	Preprocessing – Modeling, Meshing and Case setup for high Rise Building – Practical Example
Lunch Break		
Session 4	3 PM – 4.30 PM	Analyzing and Post Processing, of High-Rise Building Introduction to Automation

Registration Form

National Workshop
on

“Computational Fluid Dynamics (CFD) – A Civil Engineering Prospective”

19th December, 2020

Name:

.....

Designation:

Organization:

Address for Correspondance:

.....

.....

Phone:

E-mail:

.....

Payment Details

Amount:.....

DD No:

Date:.....

(In favour of “Vellore Institute of Technology” payable at Chennai)

Name of Bank & Branch:

.....

Date:

Signature