Salient features:

Focus on hands on training on ANSYS FLUENT software for flow studies around obstruction in flowing water bodies.

Registration for the Workshop:

Registration fees 1000/- + GST. Registration is mandatory and limited to 25 participants only on first come first served basis.

Registration Fees includes Registration Kit, Breakfast, Lunch, High-Tea for Two days.

Last date for registration is 20th June 2023.

For Registration & Payment:

please follow the link:
https://iitram.in/workshop/index35/index.php

Patrons:

- Director General, IITRAM
- Director, IITRAM
- Registrar, IITRAM

Correspondence:

Dr. Manoj Langhi
Assistant Professor, Dept. of Civil Engineering
Email: manojlanghi@iitram.ac.in
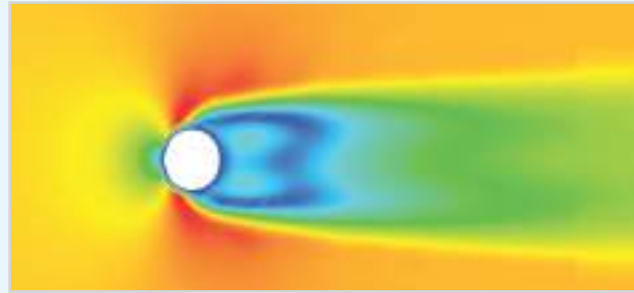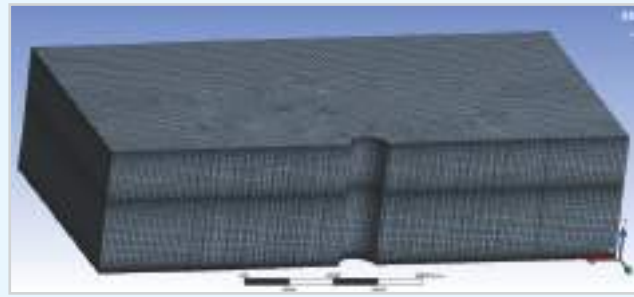Contact: +91-8866003685, +91-79-67775457

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Contact: +91-7572845488

Accommodation:

Support for accommodation (outside institute) may be facilitated on request. Cost of accommodation to be born by the participants.

Venue for the Workshop:

Institute of Infrastructure Technology Research and Management (IITRAM)
Near Khokhra Circle, Maninagar (East),
Ahmedabad – 380026

2 Days Workshop on

COMPUTATIONAL HYDRAULICS OF FREE SURFACE FLOWS (COMPH-FSF-2023)

26th – 27th June 2023

Sponsored by
SERB-DST under
Social Scientific Responsibility (SSR) Scheme

Organized by
Department of Civil Engineering
Institute of Infrastructure, Technology, Research and Management (IITRAM)

(An Autonomous University established by Government of Gujarat)
Near Khokhra Circle, Maninagar (East),
Ahmedabad, Gujarat, India - 380026
Phone: 079-67775488/67775499   Fax: 079 6777 5475
http://www.iitram.ac.in

About IITRAM:

Institute of Infrastructure, Technology, Research and Management (IITRAM) is an autonomous university established by Government of Gujarat. Institute with focus on core infrastructure areas offer B.Tech, M.Tech and Ph.D programs in Civil, Mechanical, Electrical and Computer Science Engineering domain. Ph.D. program is also offered in relevant disciplines of science and humanities. Strong base of Faculty members, state of the art infrastructure and well equipped laboratories has enabled institute to take up research and consultancy projects with an aim to support infrastructure development. To promote exchange of thoughts and knowledge sharing, workshops and conferences are being organized for public/private organizations, consultants, and faculty members and students community. Established with a vision to promote research, technology incubation and product innovation, the institute is spearheading to promote culture of interdisciplinary research, startup incubation and industrial collaboration.

About the Department:

Department of Civil Engineering established since inception of the institute has blossomed into a full-fledged department offering Bachelor's program in Civil Engineering, Master's in Urban Infrastructure and Geo Technical Engineering and Ph.D program in diverse areas of Civil Engineering. Department has onboard faculty members spanning all major specializations from top research institutes in the country and abroad. Focus on establishment of infrastructure facilities has ensured well developed teaching and research laboratories in the Department. In addition, soft computing facilities including softwares spanning civil engineering needs complement teaching and learning activities. In addition to teaching, Faculty members in the Department are engaged in research, consultancy and skill enhancement activities.

Who can attend:

This workshop is open to faculty members working in the area of hydraulics and water resources engineering.

Speakers / Resource Persons:

The speakers for the 2-day workshop:
- Eminent experts from Industry / Academia
- Dr. Manoj Langhi, Faculty, IITRAM
- Dr. Himanshu Sharma, Faculty, IITRAM

Coordinators:
- Dr. Manoj Langhi, Faculty, IITRAM
- Dr. Himanshu Sharma, Faculty, IITRAM

Workshop Theme:

The workshop aims at developing a holistic view of computational hydraulics thus enabling better understanding of use of numerical modeling in characterizing the flow behavior in river. Eminent personalities in the area of hydraulics and water resources engineering will be invited to update participants on the latest trends in computational hydraulics. The various themes for the workshop includes:

- Use of computational fluid dynamics for turbulence estimation
- Overview of turbulence modeling in computation of complex flow behavior
- Overview of Finite Difference and Finite Volume Method
- Case Studies on 1D and 3D flow modeling
- Case study on flow around submerge vanes.