

REGISTRATION FORM / NO OBJECTION CERTIFICATE

CFD COMPETITION

6th International Conference on Computational Methods in Engineering and Health Sciences (ICCMEH 2023)

Name & Address of the Institution: _____

Name of the Team: _____

Details of the Team Members(Maximum 2 participants per team): -
(Sr. No. 1 will be considered as the Team Leader)

Sr.	Student Name	Registration Number	E-mail Address	Mobile No. (WhatsApp enabled)
1				
2				

Details of the Faculty Mentor:

Name	E-mail Address	Mobile No. (WhatsApp enabled)

Registration Details:

Date of transaction	Transaction No / UPI Transfer/ Reference No	Bank Name	Branch Details

Certified that:

- 1) All members of the team are Bonafide students of our institution/department
- 2) Our Institution is accredited by AICTE or UGC in India.
- 3) The team will be provided all support and help by our Institution to take part in CFD Competition.
- 4) No pirated software or other tools will be used to carry out any CFD competition related activity.
- 5) No part of the work is copied /plagiarised in any form.

Signature & Seal
Head of the Institution/Department

Supported by:

Co-funded by the
Erasmus+ Programme
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Promoted by:



Open Source Foundation



MANIPAL
ACADEMY of HIGHER EDUCATION
(Institution of Eminence Deemed to be University)



CFD COMPETITION

Background:

The objective of the competition is to motivate undergraduate students to tackle complex fluid dynamics problems and simulate them using commercial or customized software tools. Participants will have the opportunity to investigate, analyse, and optimize the system, thereby applying their academic knowledge to practical applications.

Stages of competition:

- ▶ Registration
- ▶ Documents & Video submission
- ▶ Scrutiny & Shortlist
- ▶ Presentation by shortlisted candidates
- ▶ Evaluation
- ▶ Results Declaration

6th International Conference on Computational Methods
in Engineering & Health Sciences (ICCMEH 2023)

1. Registration **Link: <https://forms.gle/1HRqgBaAbokZnetW7>**
 - a. Candidates Details (Name + Photo)
 - b. Institute ID card
 - c. Phone No. (Whatsapp enabled) and Email ID
 - d. Submission of Abstract
2. Submission of documents (Link will be provided later)
 - a. REGISTRATION FORM / BONAFIDE CERTIFICATE / NO OBJECTION CERTIFICATE
 - b. Report (Prescribed format) & Video (5 minutes)
 - Explain problem definition, simulation procedure and Results & Discussion
 - c. Fees Payment
 - Share the transaction details
3. Submitted documents shall be scrutinized and shortlisted candidates will be intimated via email
4. Presentation of shortlisted candidates in hybrid mode (Details shall be informed)
5. Results Declaration (Prize winners shall be informed via email)

Schedule of activities:

CFD competition will be conducted as per the following schedule:

Deadline (2023)	Task
07 th June	Launch and briefing of CFD Competition
10 th July	Registration and submission of abstract (150 words)
31 st July	Submission of the final document (Report + Video)
10 th Aug	Shortlisting of the Teams
19 th Aug	Presentation by shortlisted teams (Hybrid Mode)
25 th Aug	Results Declaration

Registration Fee: 500 INR (Plus 18% GST) per participant

(Payment link will be provided later)

Prizes and Certificates:

Description	Prize Money
First Prize	Free Registration & Travel to ICCMEH 2023, Kuching Malaysia (Team Leader only) + 15000 INR
Second Prize	Free Registration to ICCMEH 2023, Kuching Malaysia + 10000 INR
Consolation prizes	3000 INR each

Scholarship opportunities for PG Program in ACFD at MAHE, Manipal *
* conditions apply

Members of the short listed team from the competition will be given participation certificates. TA/DA will NOT be provided by the host Institution.

Contact details :

Email id: applycf2023@gmail.com

Mobile for communication: 9448903081

Emails sent to any other address will be ignored. Members of all teams will also be added to a dedicated WhatsApp group, to enable quick communication. The ICCMEH conference website <https://conference.manipal.edu/iccme2023/> will contain updates on the CFD Competition.

Problem Statement:



Evaluation Criteria:

Evaluation is based on the following criteria:

1. Geometric Modelling & Meshing
2. Physics Definition/Boundary Conditions
3. Solution Strategy
4. Results & Discussion

Organizing Committee:

Convenor :

Prof. Dr. Sathish Shenoy

Professor - Department of Aeronautical & Automobile Engineering
Manipal Academy of Higher Education (MAHE), India.

Co-convenors :

Dr. Chandrakantha Bekal

Associate Professor - Department of Aeronautical & Automobile Engineering
Manipal Academy of Higher Education (MAHE), India.

Dr. Ing. Arpiruk Hokpunna

Assistant Professor - Department of Mechanical Engineering
Chiang Mai University, Thailand

Members:

Dr. Sawan Shetty

Assistant Professor, Senior Scale - Department of Mechanical and Industrial Engineering
Manipal Academy of Higher Education (MAHE), India.

Dr. Manjunath Shetty

Assistant Professor - Department of Aeronautical & Automobile Engineering
Manipal Academy of Higher Education (MAHE), India.

Dr. Subraya Krishna Bhat

Assistant Professor - Department of Mechanical and Industrial Engineering
Manipal Academy of Higher Education (MAHE), India.