



# CERTIFICATE

— OF COMPLETION —

This certificate is awarded to

**Vishnu Vijay**

for successfully completing

## **CFD MENTORSHIP PROGRAM**

The 6-Month Mentorship Program in CFD which is the flagship program of Flowthermolab, offered over weekends by distinguished industry experts, provides comprehensive training in:

Fundamentals of CFD,

Programming Languages: MATLAB, Python

Computational Fluid Dynamics (CFD) Software: ANSYS Fluent, OpenFOAM

Advanced Engineering Topics: Aerodynamics

Dr. Sandeep Mouvanal  
Director, Flowthermolab



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Date of issue: 18.11.2025

Certificate Number: 8e21f02

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Flowthermolab Pvt. Ltd., An online platform for computational fluid dynamics

Registration Number: CIN U80903KL2021PTC069233

# Internship Project Certificate

(Part of CFD Mentorship Program- Jan to June 2025)

To Whom It May Concern,

Date : 18.11.2025

This is to certify that **Vishnu Vijay** has successfully completed a 6-month internship project, offered along with our Industry-ready CFD Mentorship Program from Jan to July 2025. During this period, he received extensive training in the fundamentals of Computational Fluid Dynamics (CFD), including the use of advanced CFD tools, and specialized in **Aerodynamics**. The main project of the mentorship program was focused on **Aerodynamics**, and he collaborated with a diverse group of international students. He not only met the program's requirements but also successfully completed the project with exceptional results.

His performance throughout the internship was commendable. He consistently demonstrated a proactive approach, actively contributing to project discussions and meetings. His ability to collaborate effectively with teammates from around the globe highlighted his strong communication skills and dedication to the success of the team.

**Project Topic: Aerodynamics of car**

We are confident that the skills and experience he has gained during this internship will contribute significantly to his future endeavors.

  
Dr. Sandeep Mouvanal  
Director, Flowthermolab



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## *Certificate of Completion*

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# *Vishnu Vijay*

has completed



## Ansys Fluent Beginners to Advanced level

The course was focused on geometry preparation using SpaceClaim, advanced meshing using Fluent Mesher, CFD solvers, 2D, steady state, and transient simulations. The course also consists of multiple miniprojects from different domains like turbomachines, multiphase, thermal management, and aerodynamics. The final module was focused on the introduction to advanced topics like UDF, journal and expression

  
Dr. Sandeep Mouvanal

Director, Flowthermolab



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Date of issue: 12.11.2025  
Certificate Number: a390343

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Registration Number: CIN U80903KL2021PTC069233

This certificate is issued by Flowthermolab Pvt Ltd after the successful completion of all requirements, including viewing all self-paced videos, passing all quizzes, and completing all assignments and the mini project.



# *Certificate of Completion*

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### **CFD Foundation Course**

The course was focused on CFD fundamentals, coding FDM/ FVM discretization schemes using Octave/Matlab and basic exposure to CFD tools.



  
**Dr. Sandeep Mouvanal**  
Director, Flowthermolab



**FlowThermoLab**

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Date of issue: 22.05.2025  
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### **Fluid Dynamics for CFD: Part1**

The course serves as a bridge between industry and academia, focusing on both the fundamentals and practical applications of fluid dynamics. Key topics include fluid properties, kinematics, dimensional analysis, governing equations, boundary layers, and turbulence with a focus on CFD applications.



  
**Dr. Sandeep Mouvanal**  
Director, Flowthermolab



**FlowThermoLab**

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Date of issue: 07.03.2025  
Certificate Number: ba333c6

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# *Certificate of Completion*

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### OpenFOAM for Beginners

The course was focused on CFD basics, Linux, OpenFOAM, Paraview and mini-projects using OpenFOAM



Dr. Sandeep Mouvanal  
Director, Flowthermolab



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Date of issue: 23.07.2025  
Certificate Number: 5e04eb8

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# *Certificate of Participation*

**THIS IS TO CERTIFY THAT**

## *Vishnu Vijay*

has completed

### **Scientific Computing with Python**

The course was focused on the basics of programming, introduction to Python, and its applications in Scientific Computing including object-oriented programming. Additionally, libraries like NumPy, SciPy, and Matplotlib are introduced.



  
**Dr. Sandeep Mouvanal**

Director, Flowthermolab



**FlowThermoLab**

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