



Online
Master of Technology (M.Tech, 2 Years)
and P.G. Diploma (1 Year)
in
Computational Fluid-Thermal Sciences (CFTS)

Duration and Structure:

1) M.Tech Program (2-4 years) (Total Credits 52) : This program is designed for candidates who aspire to deepen their understanding of computational fluid-thermal sciences by undertaking a research project in addition to completing the required coursework.

2) P.G. Diploma Program (1-2 years) (Total Credits 40): This program is designed for individuals who want to enhance their knowledge and expertise in fluid dynamics and heat transfer without taking on a research project.

Program highlights:

- Online Delivery
- No GATE Score Required
- Flexible Learning Options
- Experienced Faculty
- Industry-Relevant Curriculum
- Practical Hands-On Experience
- Thesis Completion
- VNIT Degree
- Placement Support
- Alumni Benefits
- Earn Degree Without Leaving Your Job
- Annual Visit to VNIT

Target Audience:

- B.Tech./BE/BS Graduates in Mechanical, Aerospace, Chemical, or Civil Engineering
- Working Professionals seeking to enhance their knowledge

Important Dates:

- Applications Start: July 10, 2023
- Last Date to Apply: August 15, 2023
- Test / Interview by : August 25, 2023
- Classes Start (Tentative): September 1, 2023

Fee Structure: Admission Fee (one time) Rs. 15,000 + Rs 6,000/- per credit + GST 18%.

- **M.Tech: (Total Credits 52),** Total cost = Rs. 3,27,000/- + GST 18%
- **P. G. Diploma: (Total Credits 40),** Total cost = Rs. 2,55,000/- + GST 18%

Application process: If you are interested, please fill out the application form by clicking on the following link: [[Click Here](#)]. Alternatively, you can also scan the QR code provided. For more details, please visit our website: [<https://vnit.ac.in/admission/>].

Course offerings:

- Advanced Fluid dynamics and Heat Transfer
- Computational Methods in Fluid Dynamics
- Analysis of Fluid flow and Heat transfer with OpenFOAM
- Computational Physics with Python
- Advanced Numerical Methods for Fluid flow and Heat Transfer
- Advanced simulations and programming with OpenFOAM
- Multi-phase flow

Elective Courses:

- Machine Learning and Artificial Intelligence in Engineering
- Data Analytics for Engineering Applications
- Engineering Optimization
- Finite Element Method
- Convective heat transfer
- Boundary layer theory
- Turbulence Modeling and Simulation
- Mini Project

One Year Thesis:

- The research project should be completed within a duration of 1 year.

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