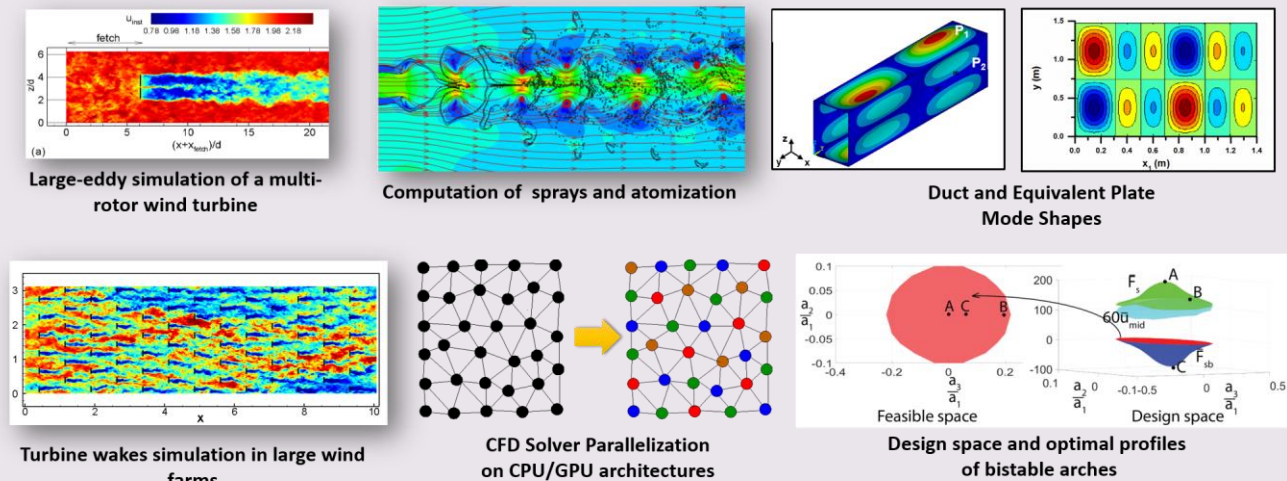


Online M. Tech. in Computational Mechanics

Introduction

The online M. Tech. in Computational Mechanics is a unique program offered by the Department of Mechanical and Aerospace Engineering, starting from August 2021, that will train students to solve multidisciplinary problems related to mechanical systems using computational techniques. Computational tools are ubiquitous in mechanical, aerospace and allied industries and form an integral part of the engineering design process today. Training in advanced computational techniques will greatly broaden the spectrum of opportunities available to graduates.



The program combines elements of numerical methods and scientific computing with fundamental principles in solid mechanics, fluid mechanics, design and vibrations. Courses covering fundamentals of numerical analysis will be complemented with hands-on training using wide-ranging examples drawn from various domains of engineering. The program will benefit industry professionals looking to build expertise in the area looking to address technological challenges in industries in the automotive, oil and natural gas, renewable energy, defense and manufacturing sectors.

Eligibility

B. E./B. Tech. with first class (60%) in Mechanical, Aerospace, Civil or Chemical engineering or other equivalent degrees; AND should be currently working in industry with a minimum of 2 years of industry experience after B. Tech.

Duration and Structure

Option 1: M. Tech. (CM) with thesis - up to 4 years.

- Total 48 Credits (Course Credits: 24 + Thesis Credits: 24)

- Courses can be done over up to three years.
- Thesis will be done in the final year (maximum 4th year) after course work.

Option 2: Executive M. Tech. (CM) without thesis - up to 3 years.

- Total 24 Course Credits.
- Courses can be done over up to three years.

Online courses will be conducted separately from regular courses. Classes will be held in the evening and on weekends.

Students will do their project in their own industry. The project can be started only after coursework worth 24 credits is completed. During the project, each candidate will have a guide from IITH and may have another from his/her industry.

More Details

Curriculum, Courses, Fees, Important Dates:

<https://mae.iith.ac.in/MTechCompMech.html>

Contact Us:

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