

# MTech Admission 2021

Dept. of Mechanical and Aerospace Engineering  
Indian Institute of Technology Hyderabad

## Online Masters Program in Computational Mechanics

For working Industry Professionals

**Duration: 4 Years for M. Tech. (CM) and 3 Years for Executive M. Tech. (CM)**

The online M. Tech. in Computational Mechanics is a unique program 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 of computational mechanics.

Graduates of this online M. Tech. program will be well equipped to address technological challenges in industries in the automotive, oil and natural gas, renewable energy, defense and manufacturing sectors.

**Option 1:** MTech (CM) with thesis - Duration 4 Years: 48 Credits (Course credits: 24 + Thesis credits: 24)

- Courses can be done over 3 years
- Thesis will be done in the final year (4th year).

**Option 2:** Executive MTech (EV) without thesis: Duration 3 Years. (Full Course credits: 24 )

- Courses can be done over 3 years.

**Note:** Students will do their project in their own industry and not at IITH. 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.

For more details about the courses, eligibility, important dates and fee structure, please visit:

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

Academics @ IIT Hyderabad:  
<https://www.iith.ac.in/academics/post-graduate/>

**Eligibility** - Candidates should have a B. Tech./B. E. with first class (60%) in ME/CE/AE/ChE, and other relevant equivalent degrees and 2 years of industry experience after B. Tech. The candidates should be currently working in any industry or in a governmental or private laboratory.

All online class courses will be offered separately in the evenings and on weekends, and will not be mixed with regular students

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