



NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

Organizes

COMSOL
Multiphysics®

ONE-DAY HANDS-ON WORKSHOP ON

COMSOL MULTIPHYSICS®

MULTIPHYSICS MODELING • SIMULATION • REAL-WORLD APPLICATIONS

HANDS-ON
LEARN BY
DOING!



Learn. Simulate. Innovate.



DATE

28 AUGUST 2026
(Friday)



DURATION

1 Day
9:30 AM – 5:30 PM



VENUE

NIT Srinagar (OFFLINE)
HITECH Room
NIT Srinagar, Hazratbal,
Srinagar, J&K – 190006

HIGHLIGHTS



Live demonstration of
COMSOL Multiphysics®



Hands-on modeling
sessions



Real-world engineering
applications



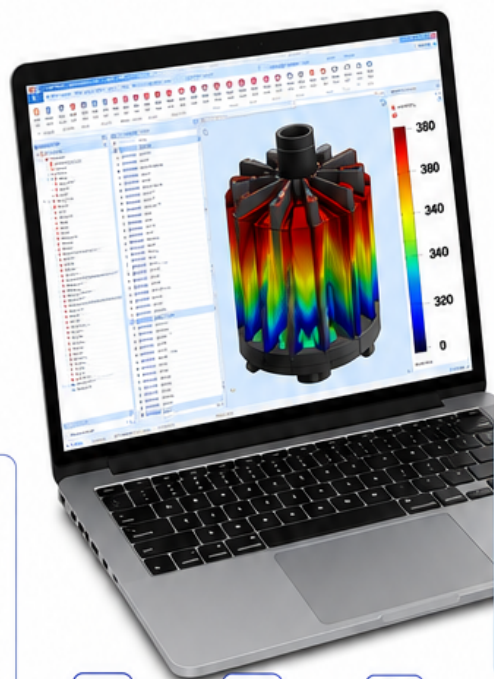
Expert guidance



Certificate of Participation

TOPICS TO BE COVERED

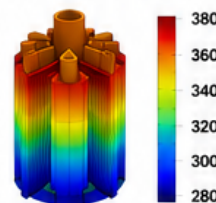
- ✓ Introduction to COMSOL Multiphysics®
- ✓ Model Building & Geometry
- ✓ Physics Interfaces
- ✓ Meshing & Solver Settings
- ✓ Post-processing & Results Visualization
- ✓ Multiphysics Coupling
- ✓ Case Study: Heat Transfer and Fluid Flow
- ✓ Q & A and Discussion



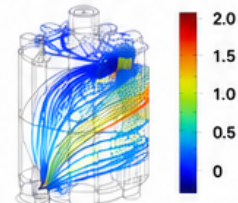
COMSOL
MULTIPHYSICS®



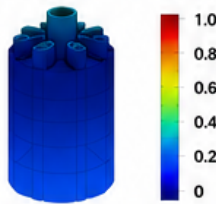
Temperature (K)



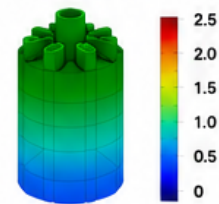
Velocity Magnitude (m/s)



Hydrogen Concentration (mol/m³)



Pressure (Pa)



HEAT
TRANSFER



FLUID
FLOW



ELECTRICAL



STRUCTURAL
MECHANICS



MULTIPHYSICS
COUPLING

REGISTRATION FEE

Category	Fee (INR)
Students / Scholars	Rs. 100
Faculty / Academics	Rs. 500
Industry Personnel	Rs. 1000

PARTICIPANTS WILL GET

- ✓ Hands-on experience with COMSOL
- ✓ Understanding of multiphysics modeling
- ✓ Resource material & example models
- ✓ Certificate of Participation

REGISTRATION DETAILS



Scan to Register
(Or use the link)

Limited Seats!
Register Early!

Google Form Link:

<https://docs.google.com/forms/d/e/1FAIpQLSeizhjngVfyizikl-uBiDHyMtvPABx3SVtqDKT5CaC6Z46NLw/viewform?usp=sharing&oid=115597312178037756195>

SYSTEM REQUIREMENTS FOR COMSOL (Recommended for COMSOL Multiphysics® 6.x)

- Operating System : Windows 10 (64-bit) or Windows 11 (64-bit)
- Processor : Intel® Core™ i5 / i7 / i9 or AMD Ryzen™ 5 / 7 / 9
- RAM : **4 GB or more**
- Disk Space : 2-25 GB of disk space, depending on your licensed products and installation options
- Graphics : OpenGL 3.3 compatible graphics card with 2 GB VRAM or higher
- Display : 1920 × 1080 resolution or higher
- Other : Administrator privileges required
Internet connection (for license activation)

* Participants are requested to bring their laptops.

CERTIFICATES



Certificate of
Participation
will be provided
to all registered
participants.

APPLICATION AREAS



Energy Systems



Hydrogen Storage
& Fuel Cells



Heat
Exchangers



Battery
Modeling



Electronics
Cooling



Structural
Analysis



Biomedical
Engineering



...and more

CONVENOR

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