



TWO DAYS ENGINEERING SIMULATION PROGRAM

# COMSOL SIMULATION SUMMIT

TIFAC CORE, VIT VELLORE in association with COMSOL Multiphysics®

DATE  
**2 & 3 July 2026**  
Thursday & Friday

TIME  
**09:30 AM – 04:00 PM**  
Both days

VENUE  
**TT-247**  
VIT Vellore Campus

## — ABOUT THE SUMMIT

Presented by **TIFAC-CORE, VIT Vellore** together with **COMSOL Multiphysics**, this two-day summit introduces the latest capabilities of **COMSOL Multiphysics® 6.4** and puts them to work on real engineering problems - technical talks, build-along workshops, live demonstrations, and direct discussion of your own research with COMSOL's engineers.

## — APPLICATION AREAS

- Structural Mechanics
- Fluid Flow & Heat Transfer
- Electromagnetics & RF
- Sensors / MEMS / Electronics
- Additive Manufacturing
- Batteries · **Fuel Cells** · Electrolyzers

## — TWO-DAY AGENDA

Day 1	02 JUL · THU
09:30 – 10:00 AM	Introducing COMSOL Multiphysics® 6.4 & module overview
10:00 – 10:40 AM	Modeling of Structural Mechanics applications
10:40 – 11:15 AM	Multiphysics modeling of Fluid Flow & Heat Transfer
11:15 – 11:25 AM	Break
11:25 AM – 12:45 PM	<b>HANDS-ON</b> Welding of a Titanium Plate
12:45 – 01:00 PM	<b>DEMO</b> Additive Manufacturing
01:00 – 02:00 PM	Lunch Break
02:00 – 04:00 PM	<b>CONTEST</b> COMSOL® Driven Design Innovation Contest

Day 2	03 JUL · FRI
09:30 – 10:30 AM	Modeling of Electromagnetics applications
10:30 – 10:40 AM	Break
10:40 AM – 12:10 PM	<b>HANDS-ON</b> VHF Antenna Radiation
12:10 – 12:45 PM	<b>DEMO</b> High-Voltage Ferrite Core Transformer
12:45 – 01:30 PM	Lunch Break
01:30 – 02:10 PM	Energy Engineering and Fuel Cells
02:10 – 03:40 PM	<b>HANDS-ON</b> Battery Modeling
03:40 – 04:00 PM	<b>AWARDS</b> Prize Distribution & Q&A

### 30-Day License

Every registered participant receives a complimentary COMSOL Multiphysics® trial.

### Hands-on Labs

Build real models in guided workshops and live engineering demonstrations.

### 1:1 Expert Time

Bring your research and discuss it directly with COMSOL engineers.

### Innovation Contest

Faculties & Scholars compete for prizes in the Design Innovation Contest.



SCAN TO REGISTER

REGISTRATION · FIRST-COME, FIRST-SERVED

**Seats are limited (50 seats only) - register early.**

**COMSOL.COM/C/I7ZV**

Open to faculty, research scholars.

EVENT CONTACT

**Dr. Arjun Singh K**  
Assistant Professor, TIFAC CORE  
VIT Vellore  
Email: arjunsingh.k@vit.ac.in  
Mobile: 9042531620

**“Simulation is the third pillar of science, alongside theory and experiment”**