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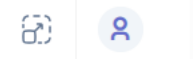
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Dashboard

Apps

- ExamInfinity
- DasohalInfinity**
- CourseInfinity
- MockInfinity
- InternInfinity

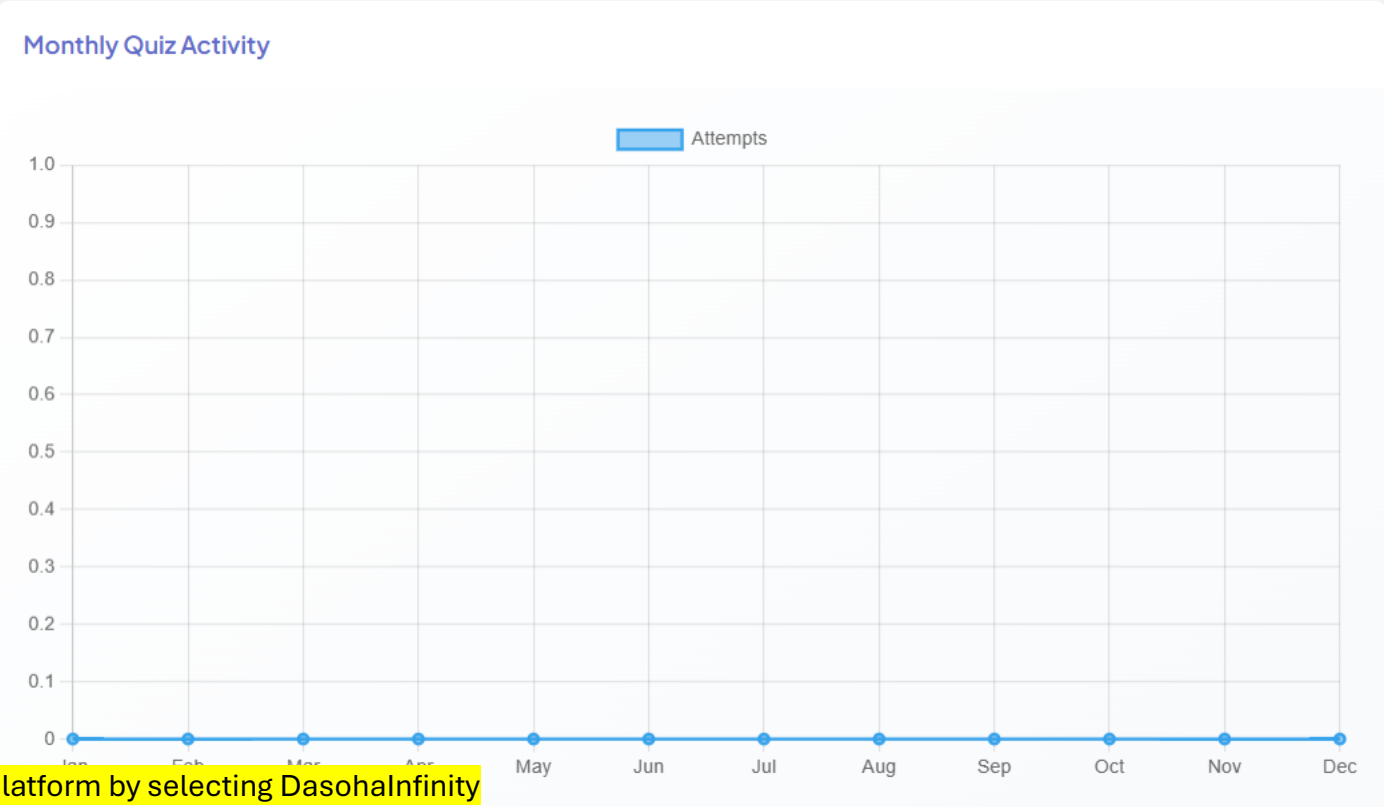
- Virtual Lab
- Assignment
- Tutorials
- Wiki
- Study Material
- Solution Board
- Support

Quiz Attempts
0

Best Score
0.0%

My Projects
0

Events Joined
0



Activity Summary

- Total Attempts: 0
- Project Completion: 0/0
- Ongoing Events: 0
- Average Score: 0.0%

Access the DasohalInfinity platform by selecting DasohalInfinity

Machines Design

📅 15 Jun 2026 - 15 Jul 2026

Booking



Structural Analysis

📅 02 Jun 2026 - 02 Jun 2027

Booking



Optimization in Transformers

📅 06 Jun 2026 - 06 Jun 2027

Booking



Electronic Cooling Systems

📅 10 Jun 2026 - 10 Jun 2027

Booking



COMSOL
COMPOSITE MATERIAL STRENGTH OPTIMIZATION
Webinar

1. **INTRODUCTION TO COMPOSITE MATERIALS**
2. **FINITE ELEMENT ANALYSIS (FEA)**
3. **OPTIMIZATION TECHNIQUES**
4. **RESULTS AND CONCLUSIONS**

Webinar on Composite Material Strength Optimization

📅 13 Jun 2026 - 13 Jun 2027

Booking



COMSOL
BATTERY PERFORMANCE AND DEGRADATION MODELING
Webinar

1. **BATTERY MODELING**
2. **PERFORMANCE ANALYSIS**
3. **DEGRADATION MODELING**
4. **RESULTS AND CONCLUSIONS**

Webinar on Battery Performance and Degradation...

📅 17 Jun 2026 - 17 Jun 2027

Booking



COMSOL
ELECTROMAGNETIC-THERMAL COUPLING IN DEVICES
Webinar

1. **INTRODUCTION TO EM-THERMAL COUPLING**
2. **MODELING TECHNIQUES**
3. **RESULTS AND CONCLUSIONS**

Webinar on Electromagnetic-Thermal Coupling in Devices

📅 21 Jun 2026 - 21 Jun 2027

Booking



COMSOL
RF ANTENNA DESIGN AND OPTIMIZATION
Webinar

1. **RF ANTENNA DESIGN**
2. **OPTIMIZATION TECHNIQUES**
3. **RESULTS AND CONCLUSIONS**

Webinar on RF Antenna Design and Optimization

📅 25 Jun 2026 - 25 Jun 2027

Booking



COMSOL
CONJUGATE HEAT TRANSFER IN HEAT EXCHANGERS
Webinar

1. **CONJUGATE HEAT TRANSFER**
2. **MODELING TECHNIQUES**
3. **RESULTS AND CONCLUSIONS**

COMSOL
GEOMECHANICS FOR TUNNEL STABILITY ANALYSIS
Webinar

1. **GEOMECHANICS**
2. **TUNNEL STABILITY ANALYSIS**
3. **RESULTS AND CONCLUSIONS**

COMSOL
FUEL CELL EFFICIENCY OPTIMIZATION
Webinar

1. **FUEL CELL EFFICIENCY**
2. **OPTIMIZATION TECHNIQUES**
3. **RESULTS AND CONCLUSIONS**

COMSOL
FLUID-STRUCTURE INTERACTION IN MECHANICAL ENGINEERING SYSTEMS
Webinar

1. **FLUID-STRUCTURE INTERACTION**
2. **MODELING TECHNIQUES**
3. **RESULTS AND CONCLUSIONS**

← Webinar on Battery Performance and Degradation Modeling

BATTERY PERFORMANCE AND DEGRADATION MODELING

Accurately predict battery performance. Understand aging mechanisms. Optimize design for longer life and higher safety.

ELECTROCHEMISTRY

HEAT TRANSFER

MULTIPHYSICS COUPLING

ANALYZE

OPTIMIZE

- MULTIPHYSICS BATTERY MODELING**
Couple electrochemistry, heat transfer, and transport phenomena to capture real-world battery behavior.
- PERFORMANCE PREDICTION**
Predict voltage, capacity, power, and temperature under various operating conditions.
- DEGRADATION ANALYSIS**
Analyze capacity fade, resistance growth, and lithium plating to understand aging mechanisms.
- DESIGN & OPERATION OPTIMIZATION**
Optimize materials, design, and operating strategies to improve performance, lifetime, and safety.

KEY CAPABILITIES

- ✓ Full cell and multi-scale battery modeling
- ✓ Electrochemistry with transport phenomena
- ✓ Thermal effects and heat generation
- ✓ Degradation mechanisms and lifetime prediction
- ✓ Lithium plating and SEI growth modeling
- ✓ Parameter estimation and model calibration
- ✓ Design optimization and what-if analysis
- ✓ Comprehensive postprocessing and visualization

ELECTROCHEMICAL POTENTIAL (V)

CONCENTRATION IN ELECTRODE (mol/m³)

TEMPERATURE DISTRIBUTION (°C)

VOLTAGE RESPONSE

CAPACITY FADE OVER CYCLES

Leverage the power of COMSOL Multiphysics® to accelerate battery innovation with accurate modeling, deeper insights, and optimized designs.

IMPROVE PERFORMANCE
Maximize energy and power capabilities.

EXTEND LIFETIME
Understand degradation and extend battery life.

ENHANCE SAFETY
Predict thermal behavior and reduce risks.

MODEL. UNDERSTAND. OPTIMIZE.

Date	17 Jun 2026
Time	12:00 PM - 03:00 AM
Mode	Online
Event Type	Webinar
Department	Mechanical Engineering
Category	Engineering Mechanics
Organizer	
Email:	
Phone:	
Register Now	

- Dashboard
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Hello, Administrator 🙌
Let's make today a productive one!

From To

Total Events **99** | Active Events **3** | Bookings **358** | Attendees **20** | Upcoming Events **96** | Expired Events **0**

Upcoming Events

COMSOL
COUPLED THERMAL-STRUCTURAL ANALYSIS
Webinar
02 Jun 2026 - 02 Jun 2027
Booking

COMSOL
MAGNETIC FLUX OPTIMIZATION IN TRANSFORMERS
Webinar
06 Jun 2026 - 06 Jun 2027
Booking

COMSOL
HEAT TRANSFER IN ELECTRONIC COOLING SYSTEMS
Webinar
10 Jun 2026 - 10 Jun 2027
Booking

Webinar
Chemical Reaction Engineering in Catalytic Reactors
12 Jun 2026 - 15 Jul 2026
Chemical Reaction Engineering in Catalytic Reactors
Booking

← Webinar on Battery Performance and Degradation Modeling

✔ Event Booked Successfully

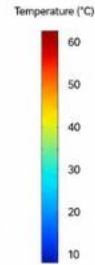
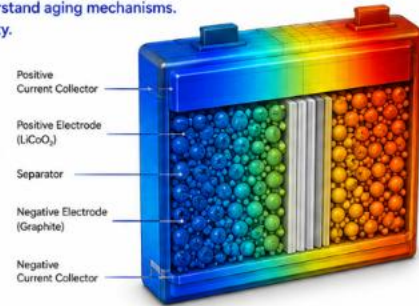
COMSOL

BATTERY PERFORMANCE AND DEGRADATION MODELING

Accurately predict battery performance. Understand aging mechanisms. Optimize design for longer life and higher safety.

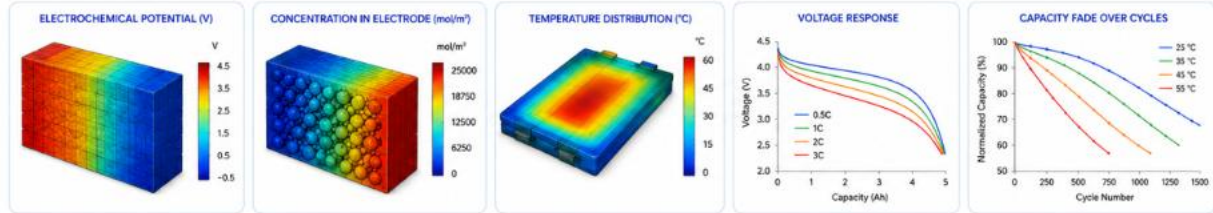


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MODEL. UNDERSTAND. OPTIMIZE.

Date	17 Jun 2026–17 Jun 2027
Time	12:00 PM - 03:00 AM
Mode	Online
Event Type	Webinar
Department	Mechanical Engineering
Category	Engineering Mechanics
Organizer	
Email:	
Phone:	
Join Meeting	

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COMSOL
BATTERY PERFORMANCE AND DEGRADATION MODELING
An online webinar on battery performance and degradation modeling. The graphic includes a 3D battery model, a color scale, and several line graphs showing performance metrics over time. A blue 'Online' badge is in the top right corner.

Webinar on Battery Performance and Degradation Modeling

17 Jun 2026 - 17 Jun 2027

Meeting link will be available 1 hour before event

Online
An illustration of a woman presenting to a man and a woman seated at a table with laptops. A large screen behind them displays a 'Find a Booking' interface with various filters and options. A blue 'Online' badge is in the top right corner.

Chemical Reaction Engineering in Catalytic Reactors

12 Jun 2026 - 15 Jul 2026





Meeting link will be available 1 hour before event

Online
An illustration of a woman presenting to a man and a woman seated at a table with laptops. A large screen behind them displays a 'Find a Booking' interface with various filters and options. A blue 'Online' badge is in the top right corner.

CFD Simulation of Industrial Mixing Tanks

19 Jun 2026 - 15 Jul 2026

Meeting link will be available 1 hour before event

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