



Report on the **Webinar on Battery Thermal Management System**

Topic: **Battery Thermal Management System**

Purpose: To enhance the Skills of Faculty and Student members.

Conducted by: Department of Mechanical Engineering

Submitted by: Dr. P.N.E. Naveen, Assoc. Prof and HOD.

Date and time: Saturday, 12.03.2022 Time: 03:00p.m.– 4:30 p.m.

Participants: 41 members attended

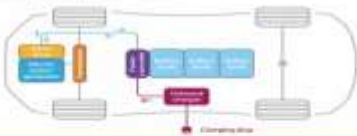
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Zoom Meeting You are viewing Vasumatha Arunthi's screen View Options

System Level Simulation

- System simulation or 1D CAE is the methodology to create a digital twin of complex Multiphysics and multidisciplinary systems to validate and optimize the behavior and performance of the system.
- The systems are built by logically linking computational blocks represents the characteristics of real world functional elements.
- 1D system components are based on fundamental governing equations and empirical relationships derived from experimental data.
- The accuracy depends on how close the characters of the components are represented, whether it's range of operation is within the range of these characteristics and how accurately the interaction between components across multiple disciplines and physics are modeled.



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Conclusion:

In this webinar the resource person mainly focused on Battery and Management System, applications and how it is useful to the Mechanical Systems.

Sincere thanks to the Management, Director and Principal for giving us an opportunity to conduct this webinar and help the students to get awareness this.

Dr. P.N.E. Naveen,
Assoc. Prof & HOD.