

An Expert Lecture

on

“POWER ELECTRONICS APPLICATION IN TRANSPORTATION”

In association with Center for Energy under ISTE Student chapter and IEEE Student branch

(26.01.2022)

An Expert lecture on “**Power Electronics Applications in Transportation**” was organized by Department of Electrical and Electronics Engineering, in association with Center for Energy under ISTE and IEEE Student chapters of Sree Vidyanikethan Engineering College (Autonomous), Tirupati, Andhra Pradesh, India on 26.01.2022 for the benefit of undergraduates, post graduates students and faculty members in online mode.

Dr. B. Hemanth Kumar, Assistant professor, Dept of EEE, delivered welcome address and Dr. M. S. Sujatha Professor and Head, Dept of EEE, Addressed the participants. Dr. B. Hemanth Kumar delivered the speaker profile and handed over the session to the speaker.

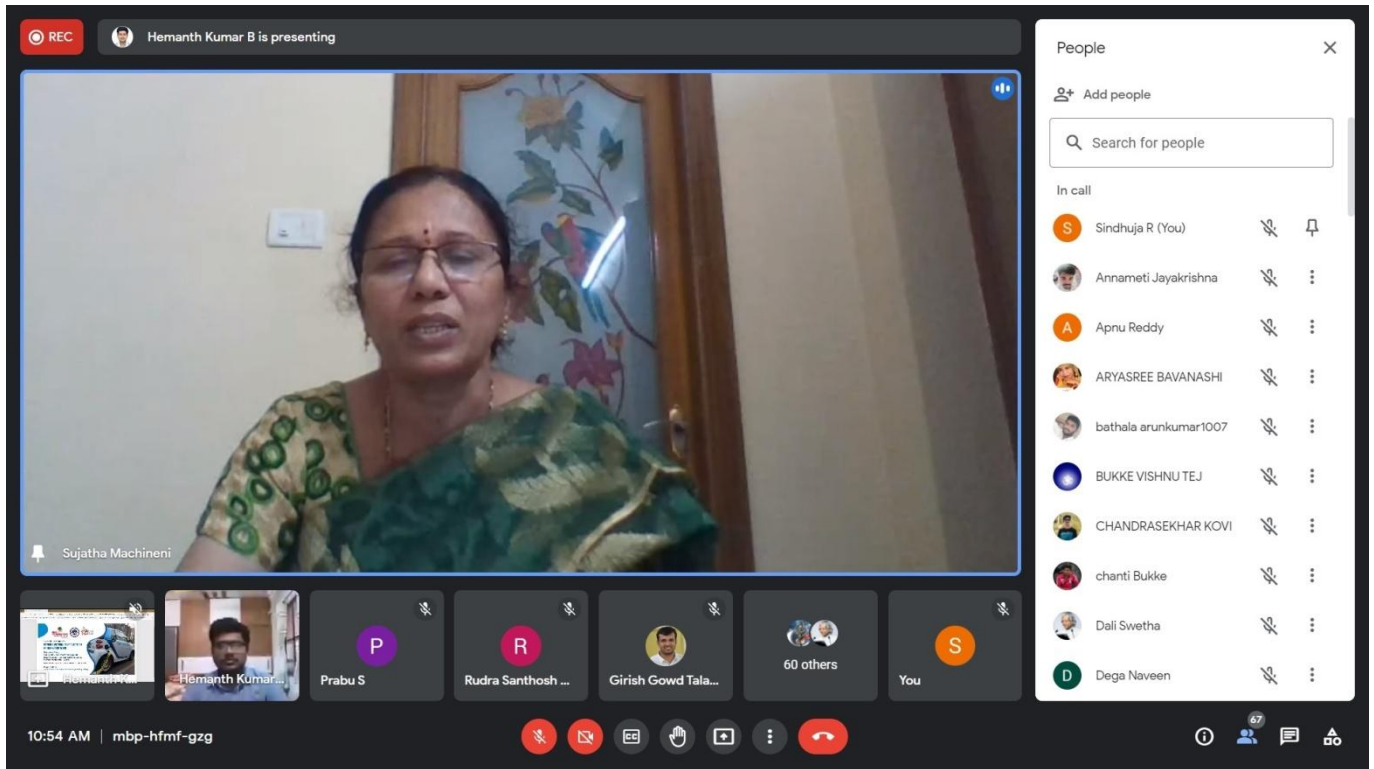
The Speaker of the session was Dr. Girish Gowd Talapur, Deputy Manager, R&D, Hind Rectifiers Limited, Mumbai, Maharashtra - 400078. He addressed the aspiring students on 26th Jan, 2022. The speaker started the session with the welcome note and about the profile of his company.

The main aim of the conduction of this one day expert lecture was to impart and share the knowledge to the every one through an industrial expert and to fill the gap between academic and industrial expertise to know what skills exactly students need. Students were listening to the session actively to learn about various applications of power electronics like in smart grids, transportation etc. Session went very well he has explained the recent statistics of job skills needed in market and statistics of domain of power electronics.

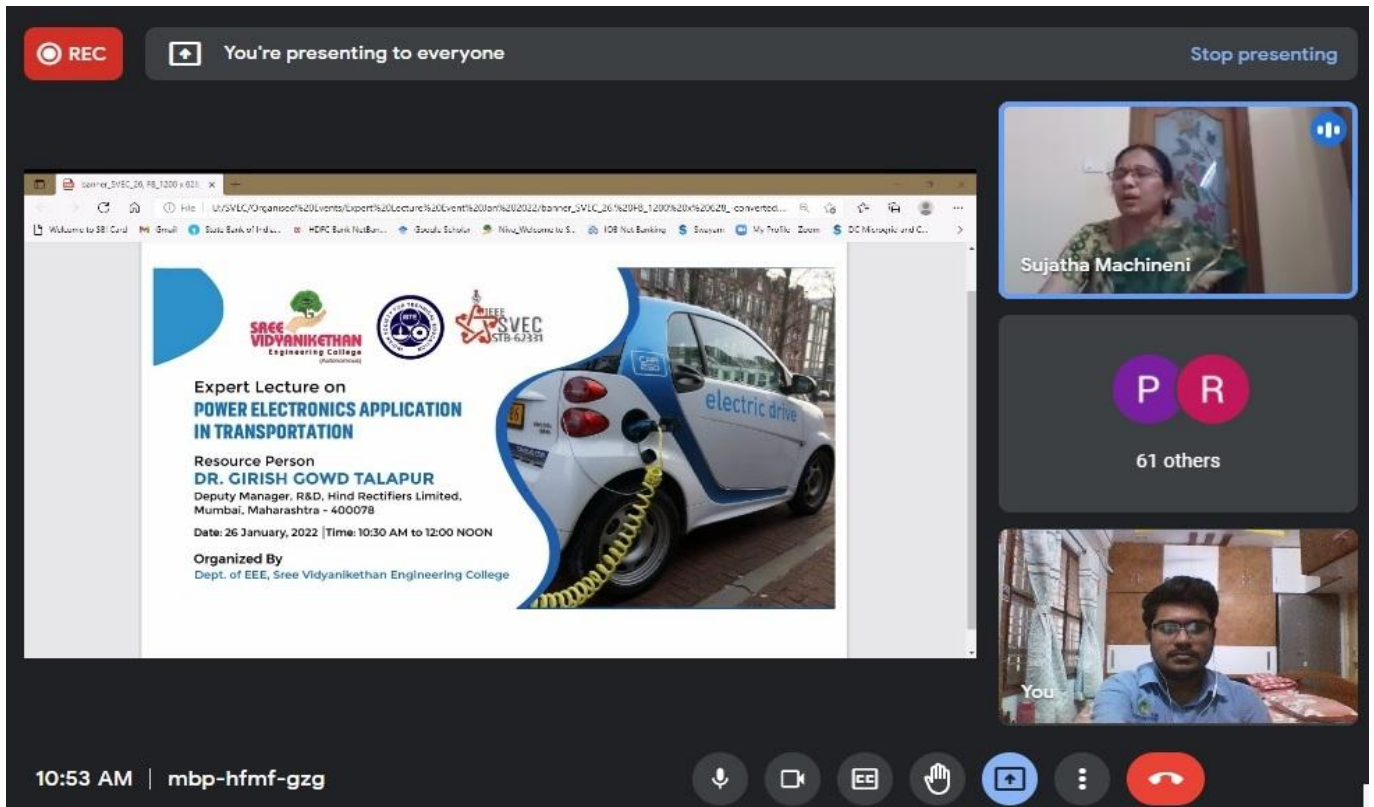
Outcomes of the Expert Lecture:

Participants were able to know

- About the micro grid.
- Types of micro grids and its challenges in distribution systems.
- About the internal structure of different locomotive wagons in Indian railways.
- About different battery specifications used for Electric Vehicle Segments.
- About different Electric Vehicle charging sockets (AC &DC).



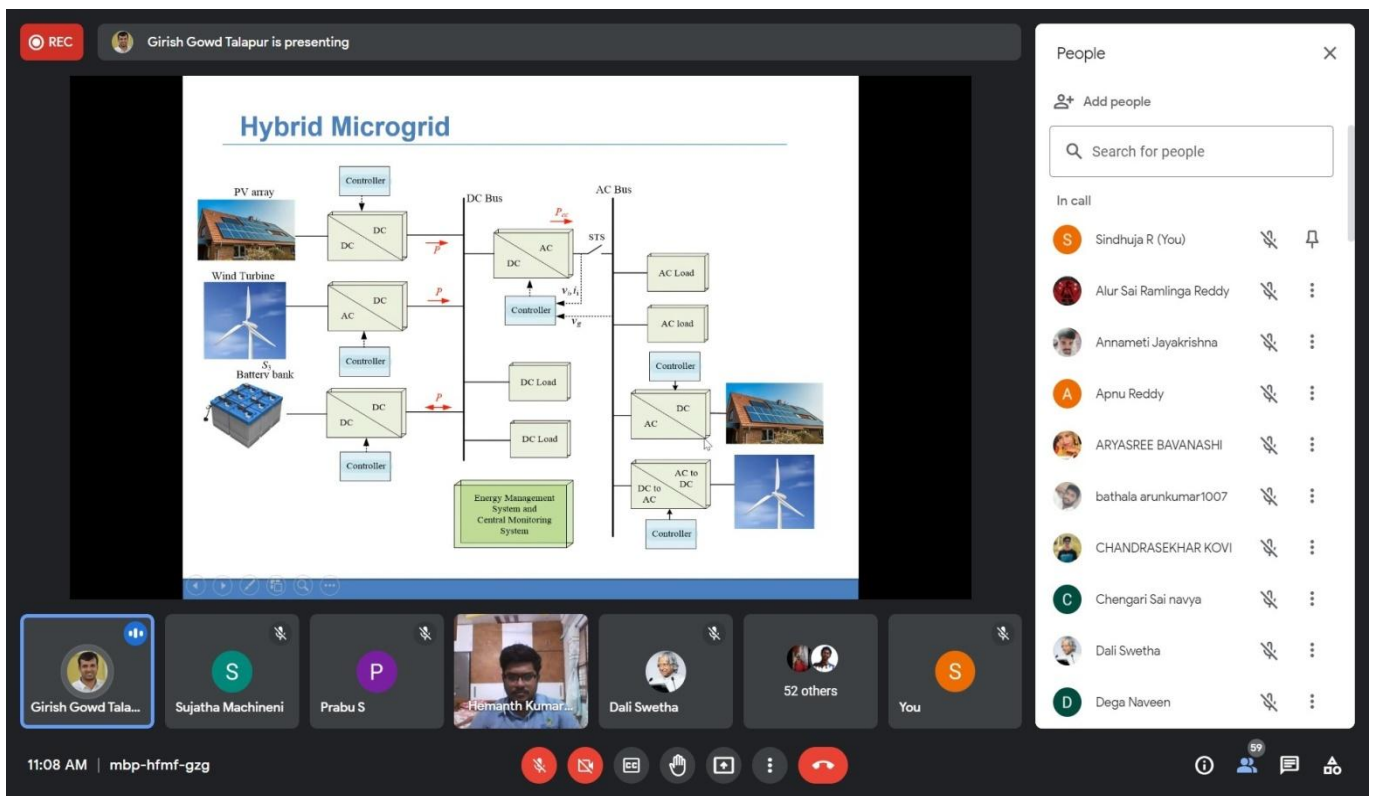
Dr. M. S. Sujatha, HoD of EEE welcoming the Speaker and the participants



Dr. M. S. Sujatha, HoD of EEE speaks about significance of expert lecture



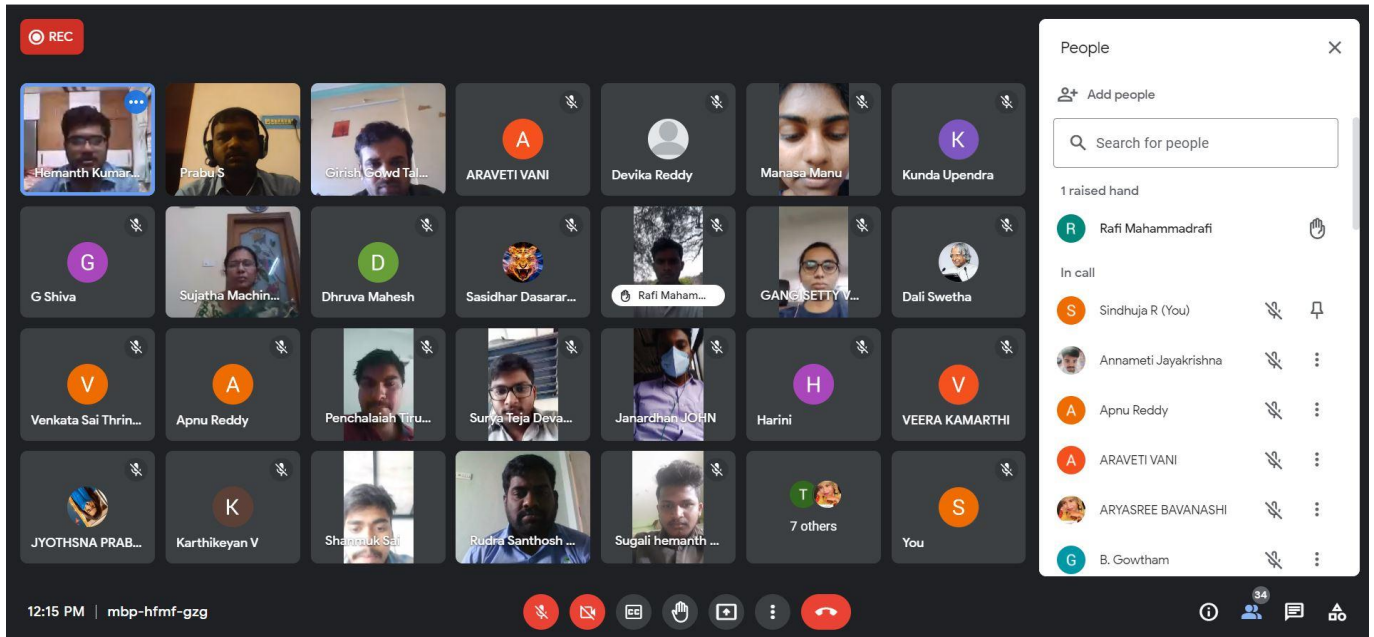
Resource person greeting to the participants



Resource person was explaining about the microgrid structure

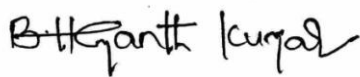
Resource person was explaining about the Railway Engine Machine layout

Speaker was explaining about the various charging sockets for electrification



Group photo of participants

Dr. B. Hemanth Kumar, Coordinator, proposed a Vote-of-Thanks. Initially, the coordinator thanked the management, Sree Vidyanikethan Engineering College (Autonomous), Tirupati, Andhra Pradesh for sponsoring the expert lecture. Later, he thanked the participants for their enthusiastic participation. At the end, he conveyed his heartfelt thanks to the management, Sree Vidyanikethan Engineering College (Autonomous), Tirupati, Andhra Pradesh, the Principal, Head of the Department, Electrical and Electronics Engineering, Dr. S. Prabhu and Dr. K. Janardhan, Co-coordinators for their constant support to make this event a grand success.



Coordinator



H.O.D/EEE