



Guest Talk on Electric Vehicle Technology and Future Mobility: A Professional Perspective for Mechanical Engineers



Guest Talk

**Electric Vehicle Technology and Future Mobility:
A Professional Perspective For Mechanical Engineers**

Dr. Deepa Kaliaperumal
Executive Secretary IEEE IAS Bangalore,
Lead E-Mobility Thrust Area Group AVV



📅 16 April 2026
🕒 02:00 PM - 05:00 PM
📍 Video Conference Room

Faculty Coordinator Dr. Veerasha G Senior Assistant Professor	Convenor Dr. D. V. Sreekanth HoD - ME	Dr. R. J. Anandhi Dean - Academics	Dr. Manjunatha Principal
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Organised by
Department of Mechanical Engineering

Resource Person: Dr. Deepa Kaliaperumal

Designation: Executive Secretary IEEE IAS Bangalore,
Lead E-Mobility Thrust Area Group AVV

Date: 16th April 2026

Venue: Video Conference Room

Participants: 4th and 6th Semester Mechanical Engineering Students

Mo of Participants:

Timings: 2.00 PM – 5.00 PM



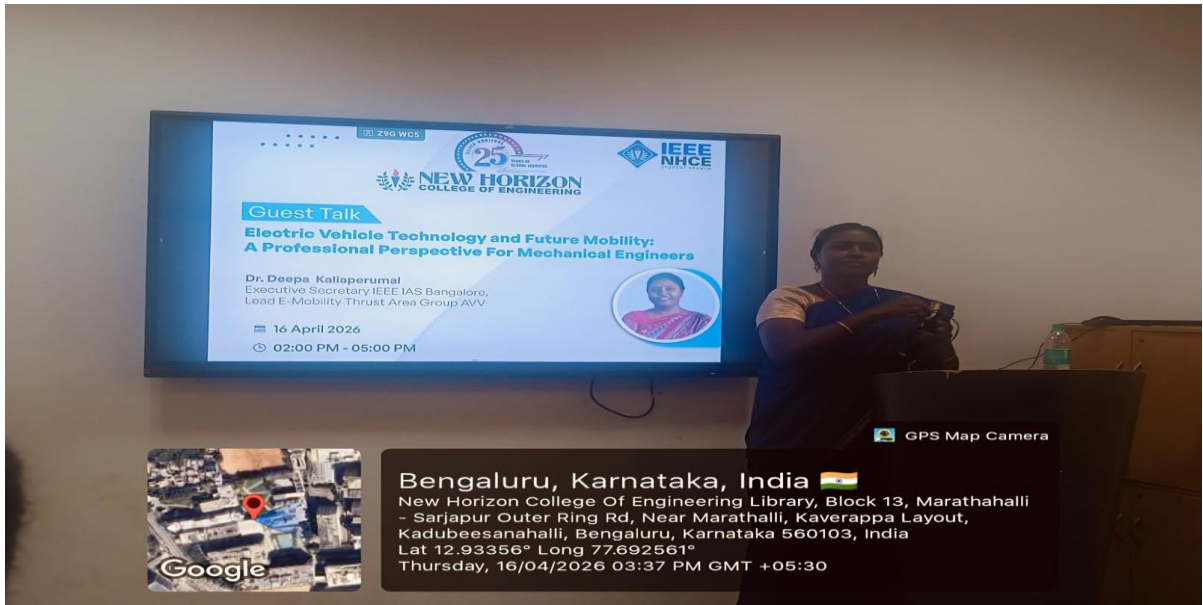
The Department of Mechanical Engineering successfully organised a Guest Talk on “Electric Vehicle Technology and Future Mobility: A Professional Perspective for Mechanical Engineers” on 16 April 2026 in the Video Conference Room. The session was arranged by the Department for students of the 4th and 6th semesters.

The talk was delivered by Dr Deepa Kaliaperumal, Executive Secretary of IEEE IAS and Lead of the E-Mobility Thrust Area Group at AVV Bangalore, who provided valuable insights into the rapidly evolving field of electric mobility. Her address offered students a clear understanding of the relevance of this domain to Mechanical Engineering.

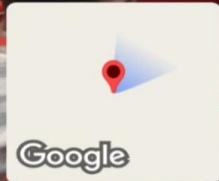
The speaker discussed the fundamentals of electric vehicles (EVs), explaining how they differ from conventional internal combustion engine vehicles by utilising electric motors powered by battery systems. Key components such as battery packs, electric motors, controllers, and charging systems were highlighted. She also elaborated on different types of EVs, including battery electric vehicles, hybrid electric vehicles, and plug-in hybrids.

The session emphasised the important role of mechanical engineers in areas such as vehicle design, thermal management, lightweight materials, and manufacturing processes. In addition, the speaker highlighted future mobility trends, including electrification, autonomous driving, and smart connected transport systems.

The talk also addressed emerging opportunities in the EV sector, such as increasing employment prospects and scope for innovation, while acknowledging challenges including high initial costs, limited charging infrastructure, and range anxiety. Overall, the session was both informative and inspiring, encouraging students to develop multidisciplinary skills and contribute to sustainable transport solutions.



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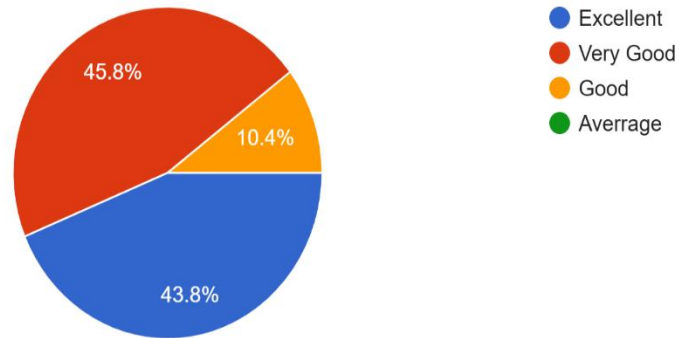


The guest talk witnessed enthusiastic student participation, with active discussions and thoughtful queries throughout the session. It significantly strengthened their understanding of key electric vehicle technology concepts and inspired them to explore advanced topics.

The event was coordinated by Dr. Veerasha G, with Dr. D V Sreekanth, Head of the Department, serving as the convenor. The programme was conducted under the guidance of Dr. Manjunatha, Principal.

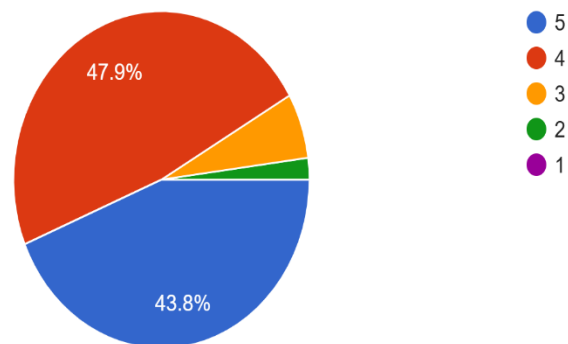
How was the overall organization of the Guest Talk

48 responses



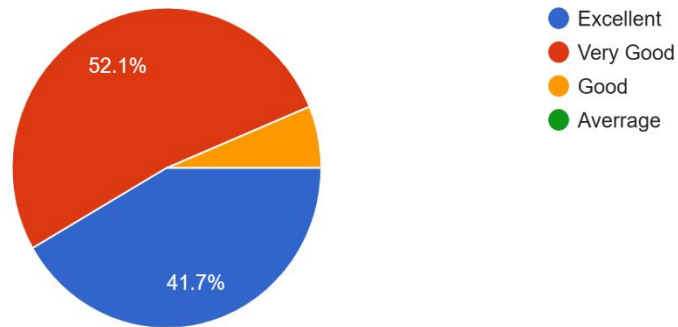
How much interesting this session was for you

48 responses



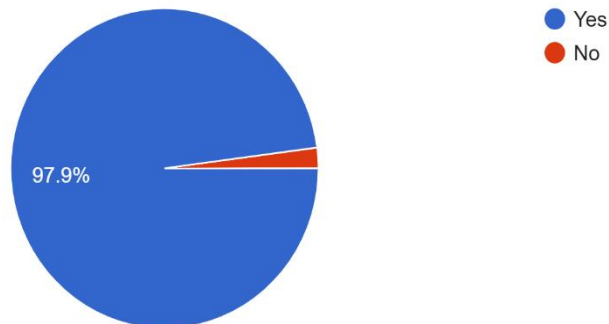
How relevant was the content discussed by the speaker?

48 responses



Is the Guest talk beneficial?

48 responses



The guest talk proved to be highly insightful and beneficial, giving students meaningful exposure to industry practices while strengthening their technical understanding and skill set.