



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE,
New Delhi. Recognized by Government of Karnataka.

A+, Accredited by NAAC & NBA (ECE & CSE)

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
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Date -28/11/23

To

IQAC Chairman

AIET, Mijar

Respected Sir

Sub: Requesting for permission conduct a Research Methodology Seminar

We are happy to inform you that Department of Mechanical Engineering, is planning to organize a technical Seminar on talk on 12/07/2024 for Mechanical Engineering, students .

The details are mentioned below, kindly request you do the needful.

Resource Person Details

Name: Dr.Prajof Prabhakaran

Designation: Asst. Professor, Dept of E&E, NITK Suratkal

Title : Seminar on "Exploring Cutting-Edge Insights Into Electric Vehicle Batteries: Research Methods and Strategies"

Venue: CAMD LAB

Date/month/year: 01/12/2023

Mode : OFFLINE

HOD
H. O. D.

Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODSIDRI - 574 225

Principal
PRINCIPAL

Alva's Institute of Engg. & Technology,
Mijar, MOODSIDRI - 574 225, D.K



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Aiet/Mech/ay2022-23/007

Date-28/11/23

CIRCULAR

Students from Department of Mechanical Engineering are hereby informed to attend the Technical Seminar by Dr.Prajof Prabhakaran, Asst. Professor, Dept of E&E, NITK Suratkal

Date: 01/12/2023

Title of the Talk: : Seminar on "Exploring Cutting-Edge Insights Into Electric Vehicle Batteries: Research Methods and Strategies"

Venue : CAMD LAB

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Principal table/Deans/HODs/AO/Office/---

Technical Seminar Report On

"EXPLORING CUTTING-EDGE INSIGHTS INTO ELECTRIC VEHICLE BATTERIES: RESEARCH METHODS AND STRATEGIES"

Date: 01/12/2023

Resource Person: Dr. Prajof Prabhakaran,

Designation: Asst. Professor, NITK Suratkal

Introduction: In a ground-breaking technical talk held at [Venue], renowned expert Dr. Prajof Prabhakaran shared pivotal insights into the advancements and challenges shaping the future of electric vehicle (EV) batteries. The event drew a diverse audience, including industry professionals, researchers, and enthusiasts eager to stay at the forefront of EV technology.



Key Highlights:

1. **In-Depth Analysis of Battery Chemistry:** Dr. Prabhakaran commenced the talk with an in-depth analysis of the intricate chemistry behind electric vehicle

batteries. Attendees gained valuable insights into the latest advancements in battery technologies, including discussions on lithium-ion, solid-state, and other emerging battery types.

2. **Energy Density Breakthroughs:** The talk delved into the critical aspect of energy density and its implications for EV range and efficiency.



3. **Charging Infrastructure and Fast-Charging Technologies:** A significant portion of the talk was dedicated to the current state and future projections of EV charging infrastructure. Attendees learned about the latest developments in fast-charging technologies, addressing concerns about accessibility and convenience for EV owners.
 4. **Safety Considerations and Innovations:** Dr. Prabhakaran emphasized the paramount importance of safety in electric vehicle batteries. He discussed ongoing research and innovations designed to enhance the safety features of batteries, alleviating concerns associated with overheating and other potential risks.
 5. **Environmental Impact and Sustainable Practices:** The environmental impact of electric vehicle batteries was a key topic. Dr. Prabhakaran shed light on sustainable practices in battery production, recycling methods, and the industry's efforts to minimize its ecological footprint.
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Conclusion: Dr. Prajof Prabhakaran's technical talk proved to be an enlightening



experience, offering attendees a comprehensive overview of the current state and future trends in electric vehicle battery technology. As the world transitions towards cleaner and sustainable transportation, the insights shared during this event will undoubtedly play a crucial role in shaping the future of electric mobility.



Exploring Cutting-Edge Insights Into Electric Vehicle Batteries: Research Methods and Strategies

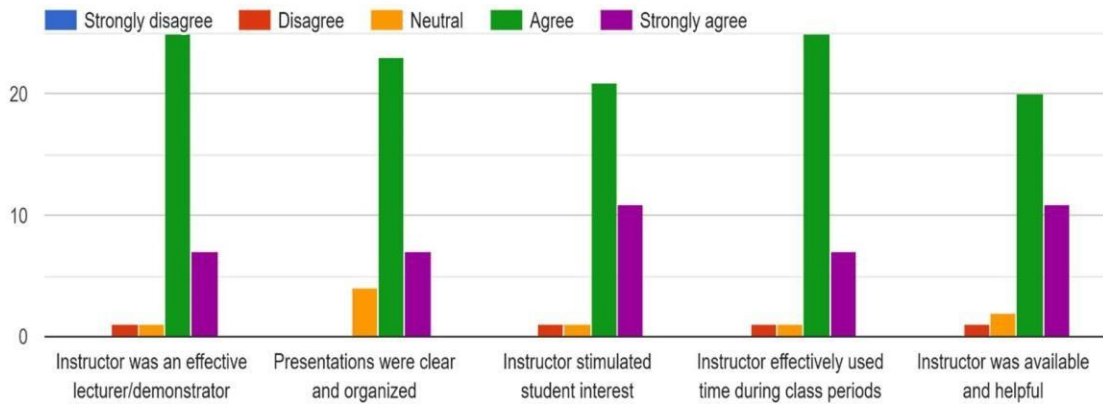
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Please submit feedback regarding the course you have just completed, including feedback on course structure, content, and instructor.

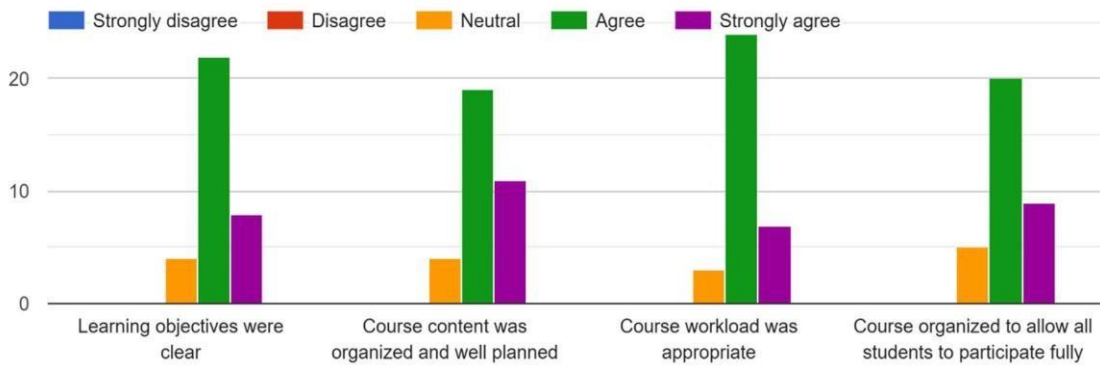
Contribution to learning




Skill and responsiveness of the instructor



Course content




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