



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

Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Date -28/11/23

To

IQAC Chairman

AIET, Mijar

Respected Sir

Sub: Requesting for permission conduct a technical talk

We are happy to inform you that Department of Mechanical Engineering, is planning to organize a technical talk on 01/12/23 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, NITK Suratkal

Title: Cutting Edge Insights into Electrical Vehicle Batteries

Venue: CIVIL SEMINAR HALL

Date/month/year: 01/12/23

Mode: OFFLINE


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



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

Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Date-28/11/23

CIRCULAR

Students from Department of Mechanical Engineering are hereby informed to attend the Technical Talk by Fire Department, Moodabidre

Date: 01/12/23

Time: 10:30 am-11:30 am

Title of the Talk: Cutting Edge Insights into Electrical Vehicle Batteries

Venue: CIVIL SEMINAR HALL

MODE: OFFLINE

A handwritten signature in blue ink, appearing to read "Sant", written over the printed name "H.O.D.".

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

A handwritten signature in green ink, appearing to read "R. S.", written over the printed name "Principal" and "PRINCIPAL".

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

TECHNICAL TALK ON CUTTING-EDGE INSIGHTS INTO ELECTRICAL VEHICLE BATTERIES

Date: 01/12/2023

Resource Person: Dr. Prajof Prabhakaran,

Designa on: 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

TECHNICAL FORUM REPORT2023-24

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.



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.



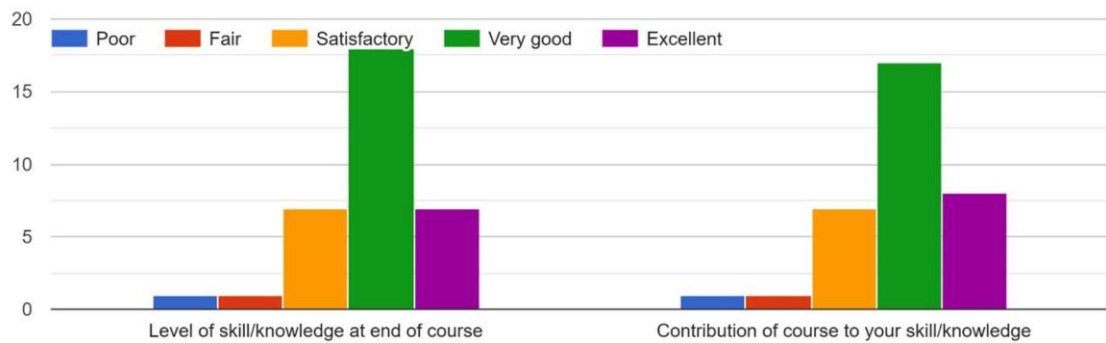
TECHNICAL TALK ON "Cutting Edge Insights Into Electrical Vehicle Batteries"

Dept. of Mechanical Engineering

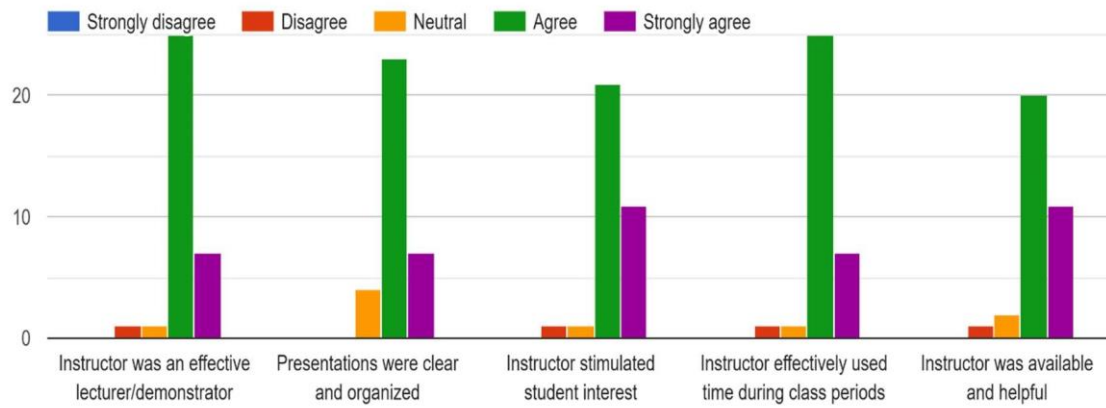


B *I* U

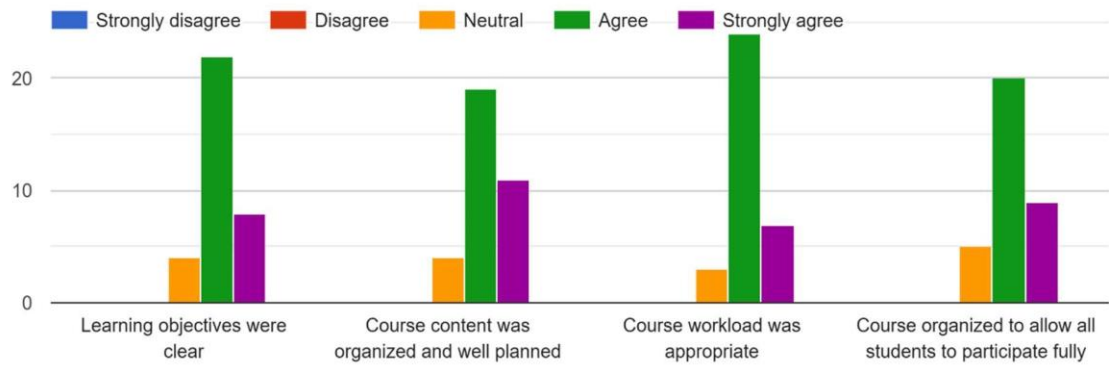
Contribution to learning




Skill and responsiveness of the instructor



Course content




HOD
H. O. D.
 Dept. Of Mechanical Engineering
 Alva's Institute of Engg. & Technology
 Mijar, MOODSIDIRI - 574 225