

Event Report

Event Name: Expert Lecture on "Electric Vehicle Industries and Their Future Prospects"

Organized by: Department of Mechanical & Electrical Engineering

Date: 20/01/2024

Time: 11:00 AM

Mode: Online

Speaker: Dr. Subodh Kumar, Assistant Professor, Department of Mechanical Engineering, SR University, Warangal

Event Coordinators: Prof. Manjeet Kumar and Prof. Pooja Jha

Introduction:

The Department of Electrical and Mechanical Engineering hosted an insightful expert lecture on "Electric Vehicle Industries and Their Future Prospects" on January 20, 2024. The virtual event, conducted at 11:00 AM, featured Dr. Subodh Kumar, an esteemed Assistant Professor from the Department of Mechanical Engineering at SR University, Warangal.

Event Highlights:

1) Inauguration and Welcome:

The online session commenced with a warm welcome by Prof. Manjeet Kumar and Prof. Pooja Jha, the event coordinators. They introduced the distinguished speaker, Dr. Subodh Kumar, and set the context for the lecture.

2) Expert Lecture by Dr. Subodh Kumar:

Dr. Subodh Kumar delivered a comprehensive lecture on the current state of electric vehicle industries, emphasizing their significance in the context of sustainability and environmental consciousness. He discussed the latest advancements, challenges, and future prospects in the electric vehicle sector, providing valuable insights to the participants.

3) Q&A Session:

Following the lecture, an interactive question-and-answer session allowed participants to engage directly with Dr. Subodh Kumar. Attendees posed thought-provoking questions, leading to insightful discussions on various aspects of electric vehicle technologies, market trends, and their potential impact on the automotive industry.

4) Case Studies and Industry Examples:

Dr. Subodh Kumar enriched the session with real-world case studies and examples from the electric vehicle industry. He highlighted successful models, innovations, and strategies adopted by leading companies, offering a practical understanding of the industry landscape.

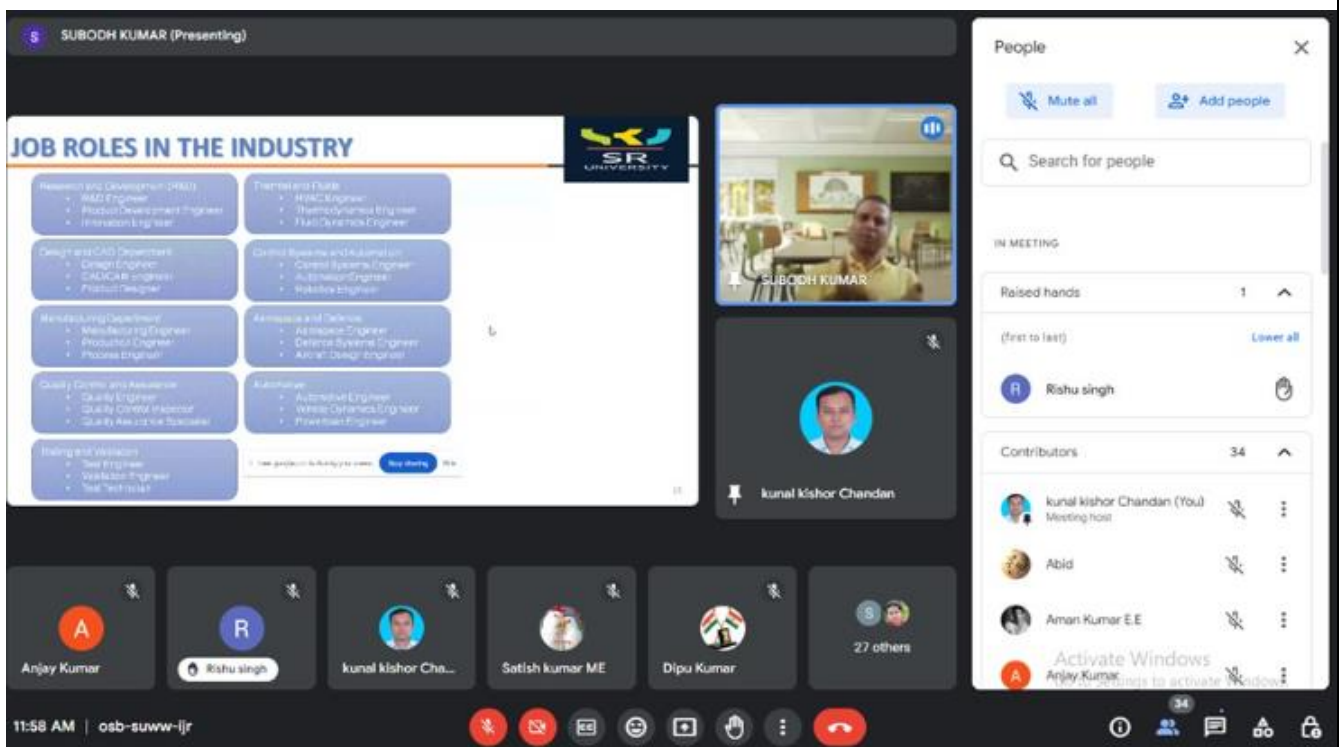
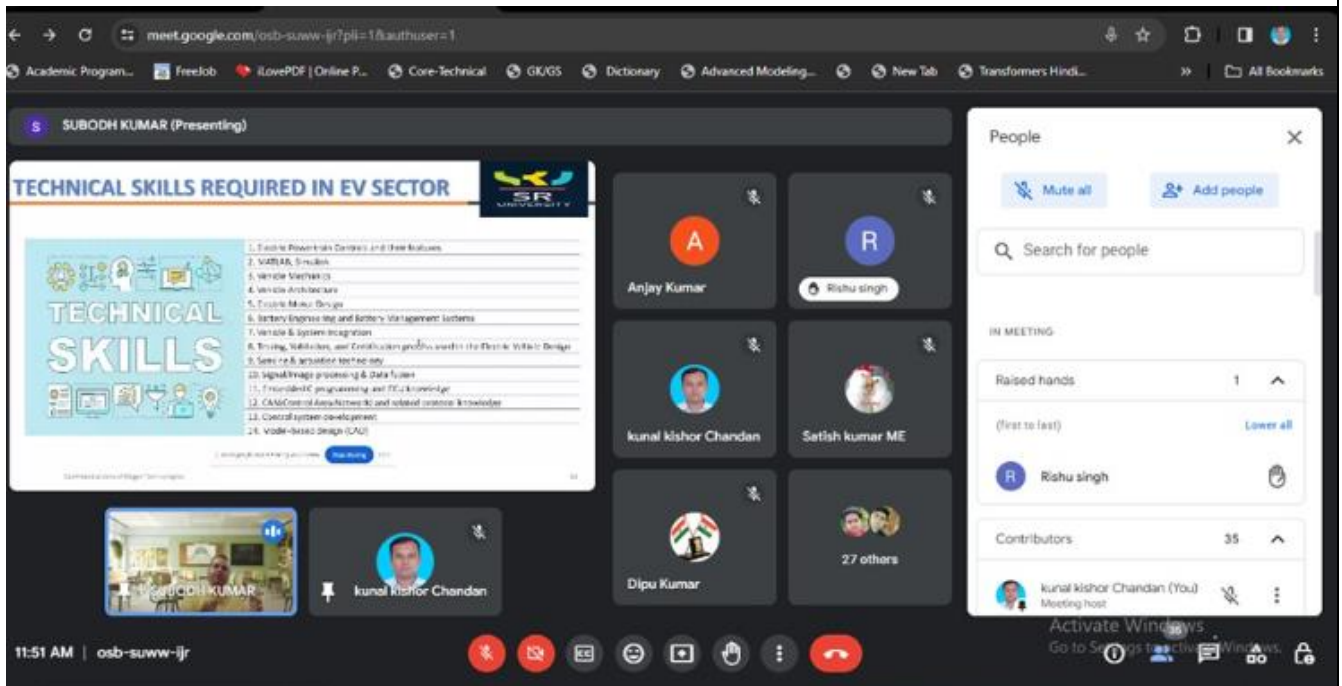
5) Audience Engagement:

Throughout the lecture, participants actively engaged in the discussion through chat and interactive polls. This dynamic exchange of ideas and information created a collaborative learning environment

and enhanced the overall learning experience.

6) Closing Remarks:

Prof. Manjeet Kumar and Prof. Pooja Jha expressed gratitude to Dr. Subodh Kumar for sharing his expertise. They emphasized the importance of staying informed about emerging technologies and industry trends, especially in fields as dynamic as electric vehicles.



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SUBODH KUMAR (Presenting)

EV MARKET TRENDS

The electric vehicle (EV) market is in a rapid state of evolution. Understanding current market trends is vital to grasp the direction of this transformative industry. Let's explore the key trends, from market size to emerging technologies and key players.

- Market Size:**
 - The global EV market has experienced exponential growth, with sales exceeding 20 million units in 2022.
- Key Players:**
 - Established automakers like Tesla, Nissan, and Volkswagen have solidified their presence.
- Emerging Technologies:**
 - Autonomous driving, solid-state batteries, and vehicle-to-grid (V2G) are on the horizon.
- Charging Infrastructure:**
 - Expansion of charging infrastructure, including fast-charging networks and at-home charging solutions, is accelerating EV adoption.
- Market Share Growth:**
 - The market share of electric cars has more than tripled in just three years, from around 1% in 2019 to 14% in 2022, signaling a shift in consumer preference.
- Government Initiatives:**
 - Incentives, subsidies, and stricter emissions regulations are driving EV adoption.

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kunal kishor Chandan (You) Meeting host

Abid

Akshay Kumar

Aman Kumar E.E

35 others

kunal kishor Chandan

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SUBODH KUMAR (Presenting)

RISE OF ELECTRIC VEHICLES

In recent years, we've witnessed a remarkable transformation in the automotive industry driven by the rapid ascent of electric vehicles (EVs). This segment of the industry has become a dynamic force, reshaping the way we think about transportation.

- Unprecedented Growth:** EVs have experienced unprecedented growth, with increasing market share and consumer interest.
- Reducing Environmental Impact:** EVs have become a vital component of global efforts to reduce emissions and combat climate change.
- Advancements in Technology:** Technological innovations, particularly in battery efficiency and charging infrastructure, have played a pivotal role in the rise of EVs.
- Shifting Industry Dynamics:** The automotive industry is undergoing a significant shift in focus, with legacy manufacturers and new players investing heavily in electric mobility.
- Economic Implications:** The rise of EVs is not only transforming the way we travel but also has economic implications, from job creation to shifting energy demand.
- Consumer Adoption:** Consumers are increasingly recognizing the benefits of EVs, leading to higher acceptance and demand.

AJIT KUMAR can now join this meeting

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Abhishek Yadav

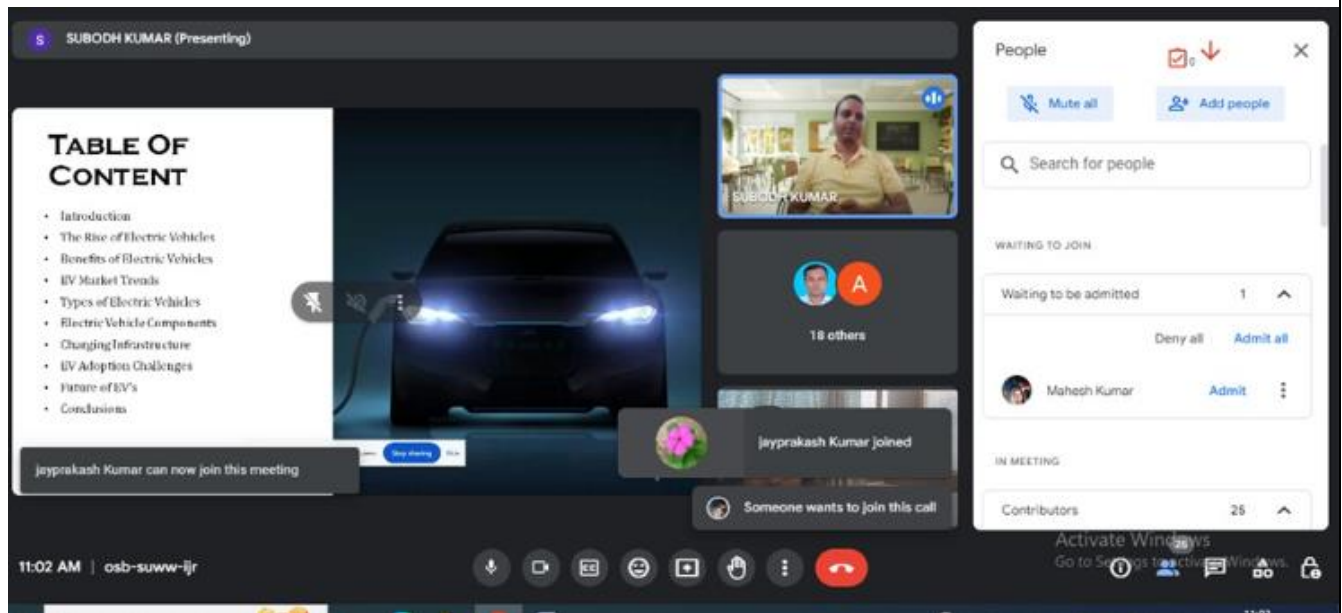
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ADITYA KUMAR

29 others

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Conclusion:

The expert lecture on "Electric Vehicle Industries and Their Future Prospects" organized by the Department of Electrical and Mechanical Engineering was a resounding success. Dr. Subodh Kumar's insights, combined with the active participation of the attendees, created a stimulating learning environment. The event not only broadened the understanding of electric vehicle technologies but also inspired participants to explore new opportunities and contribute to the rapidly evolving field. Prof. Manjeet Kumar and Prof. Pooja Jha played instrumental roles in ensuring the success of the event and facilitating a meaningful interaction between the speaker and the audience.

Prepared by:

Department of Electrical Engineering

Sandip University, Sijoul, Madhubani

Date: 20th January 2024