



Society for Smart E-Mobility

E-NEWSLETTER

October, 2024



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Message From President's Desk

Dear Members,

Greetings from SSEM.

India's electric vehicle market has experienced significant growth in recent years, driven by a combination of factors such as government initiatives, increasing environmental consciousness, and technological advancements in the EV sector.

Electric Vehicles' future in India is bright because of reduced CO2 Emissions and Sustainability. India will curb its CO2 emissions by one Giga tone by 2030. This feat will translate into less air pollution in metros and mini-metros and will keep the present and future generations healthier. Also, India and the entire planet are grappling with climate change and global warming. With zero tailpipe emissions made possible by millions of Electric Vehicle buyers, will ultimately benefit us all.

Now an EV is Cheaper to Buy and Drive. Indian government is awarding hefty tax rebates to EV buyers, which makes the future of electric cars in India brighter, but that's not the only reason for purchasing EV. The manifold benefits that include low purchasing and running costs, along with tax subsidies are the future of electric vehicles in India is positive.

Further, Indian Government is inviting private players to establish permanent, pop-up and mobile EV charging stations. All EVs come with fast chargers that can be seamlessly installed at home. We can charge vehicle while it's parked in your driveway within a few hours. With such advancements, EVs are no more restricted to city driving and can be used for inter-city travel. Safe to say, a time will soon come when EVs won't be the second car for many vehicle buyers but their primary mode of transport, thus, reinstating the fact that the future of electric cars in India is bright.

According to the India Energy Storage Alliance (IESA), the Indian EV market is expected to grow at a 36% CAGR (compound annual growth rate) as the country's automobile industry, currently, the world's fifth-largest, is projected to become the third-largest by 2030.

In Tamil Nadu, Ford Motor Co. is exploring the possibility of producing electric vehicles (EVs) at its plant in Tamil Nadu, southern India, as part of its strategy to re-enter the Indian car market. The automaker is in discussions with the Tamil Nadu state government, three years after announcing the closure of its local manufacturing operations.

Some of the other significant projects are, the Rs 9,000 crore manufacturing plant in Ranipet by automobile manufacturer Tata Motors, setting up of Neo Tidel Parks boosting infrastructure and establishment of electric vehicle manufacturing facility by Vietnam based, EV maker VinFast in Tuticorin among others.

With best wishes!

V Senthil Kumar

Electric Vehicle – An Update

Shift to electric vehicles will have far-reaching impact, IMF says

The global transition toward and employment, the International Monetary Fund said on Tuesday as part of its update to global economic growth forecasts.

The analysis was included in the IMF's latest World Economic Outlook, which was released as policymakers meet at the IMF and World Bank annual meetings this week to discuss efforts to boost global growth, deal with debt distress and finance the green energy transition.



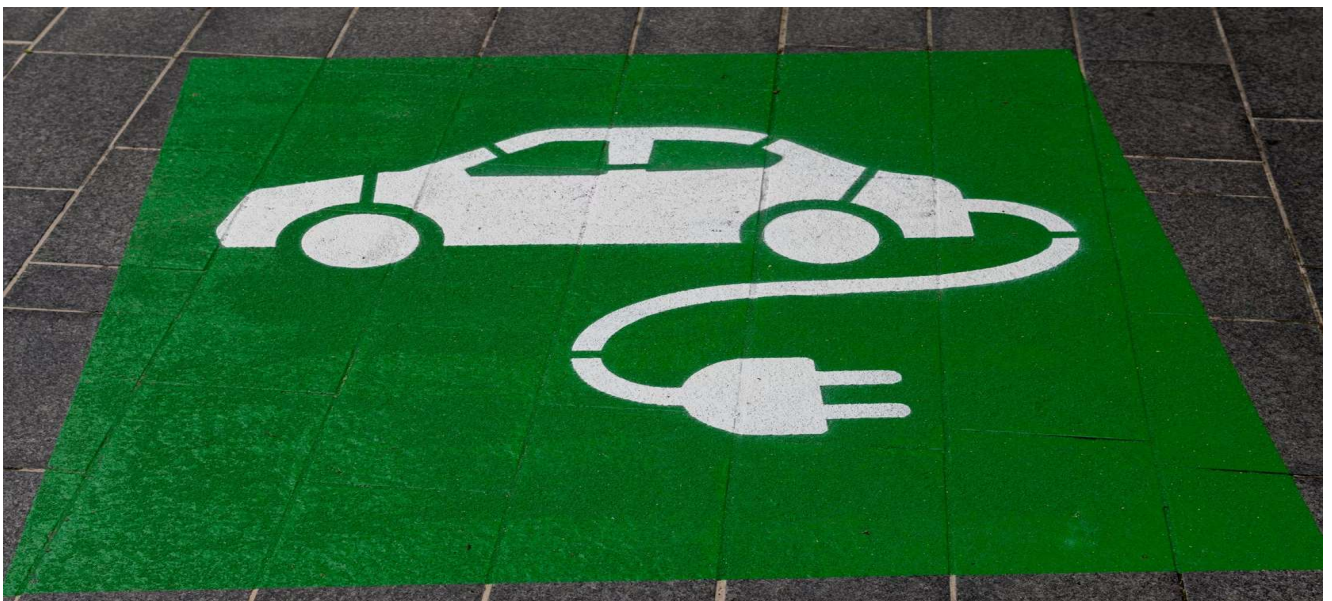
"The rising adoption of electric vehicles represents a fundamental transformation of the global automotive industry. It will have far-reaching consequences," the IMF said. The move toward EVs has accelerated in recent years and is seen as a key way to help countries achieve climate goals.

In 2022, transportation accounted for 36% of greenhouse gas emissions in the U.S., 21% in the European Union, and 8% in China, the IMF said.

Electric Vehicle – An Update

Rising adoption of EVs has been supported by the EU's goal of reducing emissions from cars by 50% for the 2030-2035 period from 2021 levels, while the U.S. government has provided subsidies for EVs and charging stations.

The IMF noted that the global automotive industry stands out for having high wages, strong profits, large export markets and using a high degree of technology.



The acceleration toward EVs would remake that landscape, particularly if China maintains its current edge in production and exports against U.S. and European rivals. Under realistic EV market penetration scenarios, Europe's GDP would be reduced by about 0.3% in the medium term, the IMF said.

"In these scenarios, employment declines in the automotive sector, and labor reallocates gradually to less capital-intensive sectors (with lower value added per worker),"the IMF said. Both the U.S. and EU have imposed tariffs on Chinese-made EVs to counter what they say are unfair subsidies ..

Read more at: https://economictimes.indiatimes.com/industry/renewables/shift-to-electric-vehicles-will-have-far-reaching-impact-imf-says/articleshow/114474209.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst

Events Held : October - 2024

CII Tamil Nadu organised an Interactive Meeting with Key Associations of Coimbatore on "Ease of Doing Business" on 4th October, 2024 at CII Office, Coimbatore.

The meeting was chaired by

- Mr Srivats Ram, CII Tamil Nadu State Council & Managing Director, Wheels India Ltd
- Mr G Radhakrishnan, Chairman, CII Coimbatore Zone & Managing Director, Sieger Spintech Equipment Pvt Ltd*
- Mr R V Chari, Convenor, MSME Panel, CII Chennai Zone & CII Tamil Nadu and Managing Director, G H Induction India Private Limited

Mr K Barathan, Joint Treasurer, SSEM; Mr V Sudhakar, Executive Committee Member, SSEM; Mrs Sivasankari TP, Executive Committee Member, SSEM and Mr S M Manoharan, Executive Director, SSEM attended and shared the present status and actions to be taken from the Government on EV sector.



Events Held : October - 2024

One day National Level Workshop on “Electric Vehicles Essentials: Technology, Trends & Future Directions” held on 04th October, 2024 at Sri Ramakrishna Engineering College, Coimbatore.

Mrs T P Sivasankari, Founder, AR4 Tech Pvt Ltd addressed the session. More than 50 students & few faculty members participated and benefited.



Events Held : October - 2024

**CII – Nexgen Show – 18th – 20th October, 2024
at International Exhibition & Convention Centre, Pune.
SSEM was one of the “Association Partners” of the show.**



Cost of Participation:

Air-conditioned Hall *Type of Space	Rate per Sqm		International Participants
	CII Member	Non-Member	
Indoor Built-up Space (Min 12 Sqms)	INR 11,500/-	INR 12,000/-	Euro 200
Indoor Raw Space (Min 36 Sqms)	INR 9,500/-	INR 10,000/-	Euro 175
Indoor Built-up Space – SSI (Min 9 Sqms)	INR 8,500/-	INR 9,000/-	

*GST 18% Additional

Glimpse of CII NexGen Mobility Show 2023



About CII

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering Industry, Government and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, with around 9,000 members from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 300,000 enterprises from 286 national and regional sectoral industry bodies.

For more than 125 years, CII has been engaged in shaping India's development journey and works proactively on transforming Indian industry's engagement in national development. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, livelihoods, diversity management, skill development, empowerment of women, and sustainable development, to name a few.

As India strategizes for the next 25 years to India@100, Indian industry must scale the competitiveness ladder to drive growth. It must also internalize the tenets of sustainability and climate action and accelerate its globalisation journey for leadership in a changing world. The role played by Indian industry will be central to the country's progress and success as a nation. CII, with the Theme for 2023-24 as 'Towards a Competitive and Sustainable India@100: Growth, Inclusiveness, Globalisation, Building Trust' has prioritized 6 action themes that will catalyze the journey of the country towards the vision of India@100.

With 65 offices, including 10 Centres of Excellence, in India, and 8 overseas offices in Australia, Egypt, Germany, Indonesia, Singapore, UAE, UK, and USA, as well as institutional partnerships with 350 counterpart organizations in 133 countries, CII serves as a reference point for Indian industry and the international business community.

CONTACT CII SECRETARIAT

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Confederation of Indian Industry

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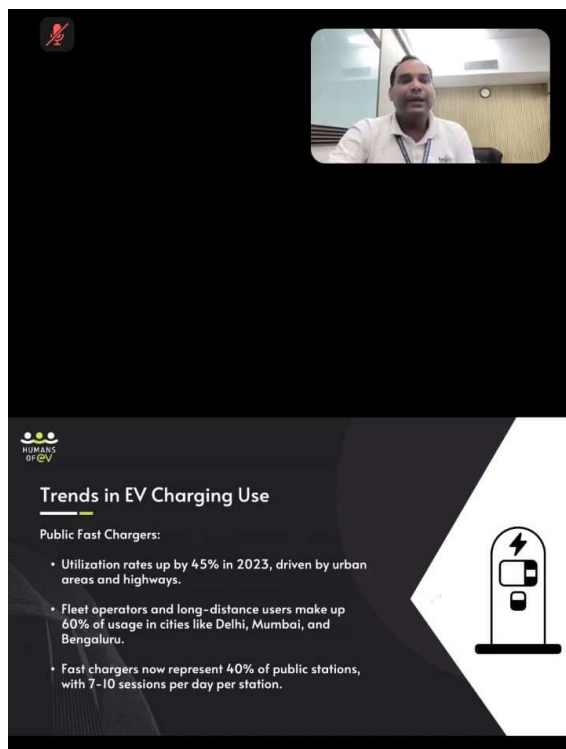
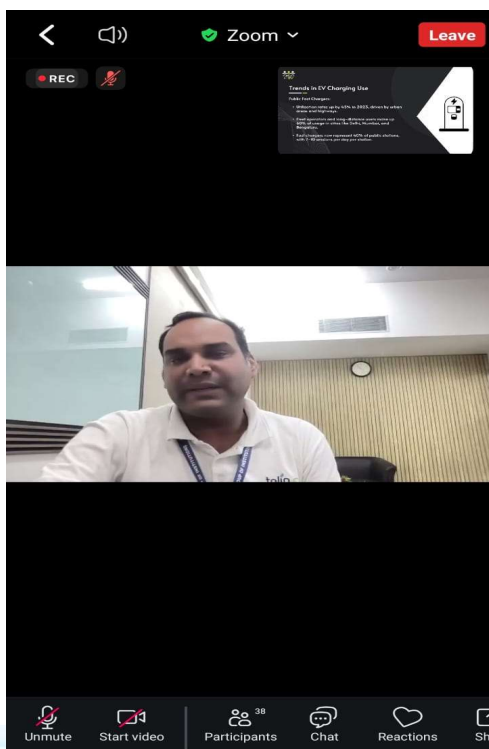
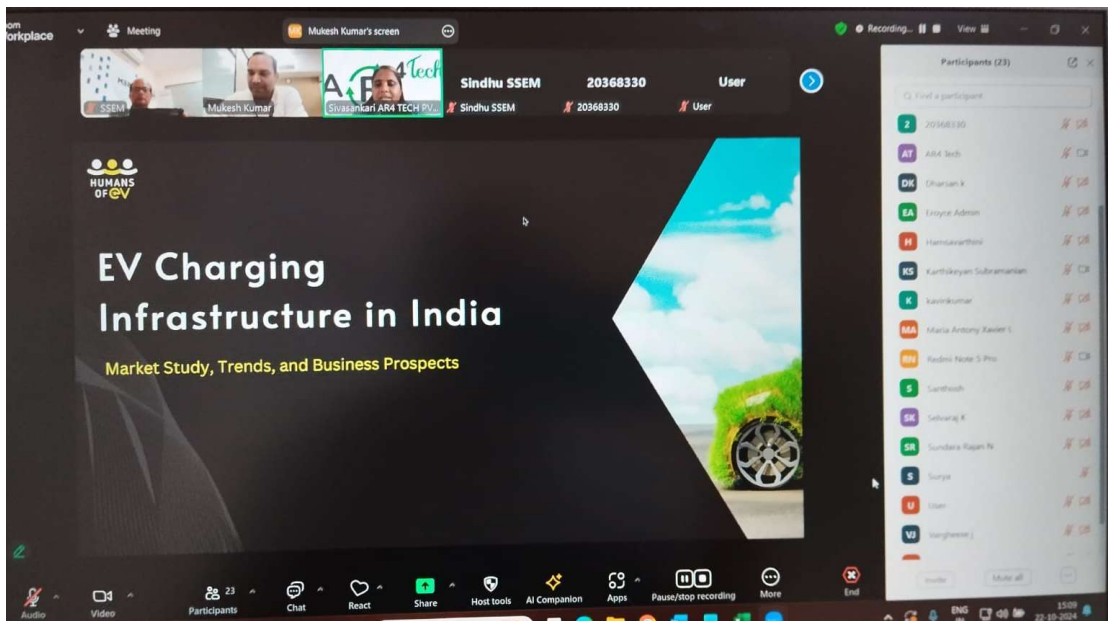


Association Partners



Events Held : October - 2024

Webinar on “EV Charging” held on 22nd October, 2024
Mr. Mukesh Kumar Bansal, Chief Technical Officer, Telio EV Pvt Ltd, Noida
addressed the session. More than 38 members participated and benefited.



Upcoming Events:

**EV India 2024 at India Expo Centre, Greater Noida (UP)
on 19th – 21st November, 2024.
SSEM is one of the “Supporting Associations” of the show.**

4th EDITION

19

20

21

NOVEMBER 2024

India Expo Centre,
Greater Noida, U.P., India

INDIA'S BIGGEST ELECTRIC MOTOR VEHICLE SHOW

EV INDIA 2024

EV India 2024 Expo is an International Electric Motor Vehicle Show will provides the opportunity and platform to electric vehicle manufacturers to showcase their latest Products

Book Your Space



www.evindiaexpo.in



CONCURRENT EVENTS

EV FUTURE OF TRANSPORT
(National Seminar on Electric Vehicles and Allied Industries)

E-CHARGE FORUM
International Summit on Electric Vehicle Charging Technology & Infrastructure Development

E-MOBILITY AWARDS

● GREEN DRIVE 5.0

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Corporate Contributor

Associate Partner

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Charging Partner

Supported by



Upcoming Events:

**ACMA Conference on “Automotive Aftermarket”
on 22nd November, 2024 at Chennai.
SSEM is one and only “Supporting Partner” of the Conference**

Registration Link : <https://forms.gle/yHsVekuzfhpagHTT9>

ACMA
Mobility Foundation
conference on
AUTOMOTIVE
Aftermarket

**Aftermarket 2.0 - Embracing Change through Collaboration
Partnerships & Digital Platforms**

22nd November 2024 Le Royal Meridien, Chennai

The Conference will focus on the transformative power of collaboration, partnerships, and digital platforms in shaping the future of the aftermarket industry.

Conference Highlights :
Keynote addresses by Industry Leaders and Experts

Panel Discussions on

1

Digitalization and Digital Twinning of the Indian Automotive Aftermarket: Trends and Strategies

2

Opportunities and Threats from new policy environment for Aftermarket.

3

Building Independent Aftermarket Genuine brand through Customer Centricity and Delight

- Ernst & Young (E&Y) is our knowledge partner - Presentation on ACMA-EY study
- Networking sessions to connect with peers and partners

WHY ATTEND

Keynote presentations by **Industry Experts**

Panel discussions on **Emerging Trends and Challenges in Automotive Aftermarket**

Research Reports and market analysis

Networking opportunities with **Industry Experts and Peers.**

SPONSORSHIP CATEGORY

Sponsorship Category	Cost for Members	Cost for non-members
Presenting Partner	INR 500000	INR 700000
Associate Sponsor	INR 400000	INR 500000
Gold Partner	INR 300000	INR 400000
Silver Partner	INR 250000	INR 300000
Exhibit Partner	INR 100000	INR 150000

Presenting Partner

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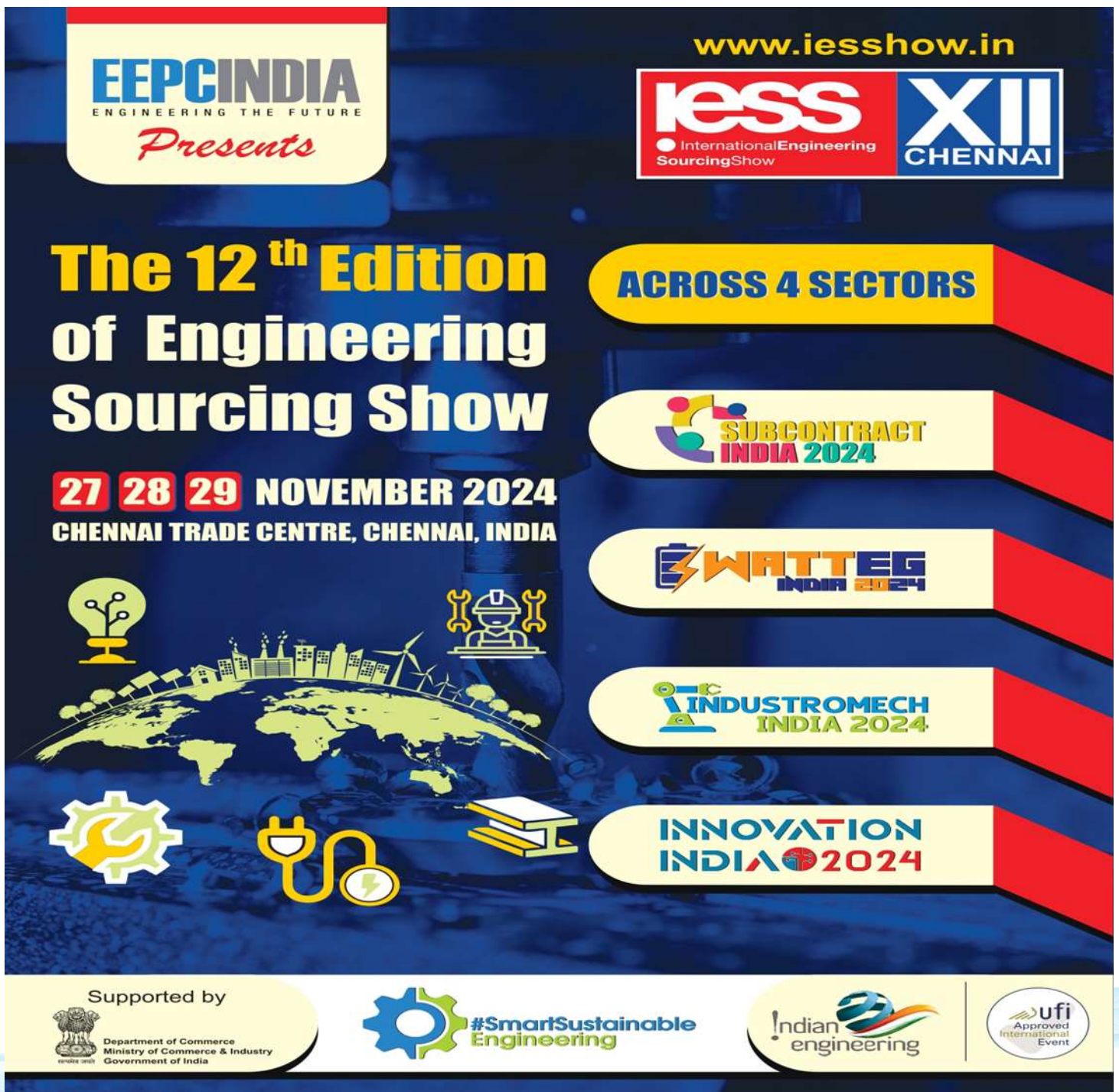
For Sponsorship & other details: Ms Sumathi M: 91 99621 12050 | E: acmasr@acma.in

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Upcoming Events:

**International Engineering Sourcing Show XII, organised by
Engineering Export Promotion Council of India (EEPC)
from 27th – 29th November, 2024
at Chennai Trade Centre, Chennai.**



EEPCINDIA
ENGINEERING THE FUTURE
Presents

www.iesshow.in

IESS XII CHENNAI
International Engineering Sourcing Show

The 12th Edition of Engineering Sourcing Show

27 28 29 NOVEMBER 2024
CHENNAI TRADE CENTRE, CHENNAI, INDIA

ACROSS 4 SECTORS

- SUBCONTRACT INDIA 2024**
- WATTEG INDIA 2024**
- INDUSTROMECH INDIA 2024**
- INNOVATION INDIA 2024**

Supported by

- Department of Commerce, Ministry of Commerce & Industry, Government of India
- #SmartSustainable Engineering
- Indian engineering
- ufi Approved International Event

Upcoming Events:

Coinciding with IESS XII, EEPCC is organizing a Session on “E – Mobility” on 28th November, 2024 at Chennai Trade Centre, Chennai. SSEM members will address the session.



less XII CHENNAI
International Engineering Sourcing Show

SSEM
Society for Smart E-Mobility

Session on “E Mobility”

 **28th November, 2024**

 **Chennai Trade Centre, Chennai**

 **11 AM**

Speakers:

1. Mr. K. Barathan, Joint Treasurer, SSEM & Managing Director, Ozotec Automobile Pvt Ltd
2. Mrs. T P Sivasankari, Executive Committee Member, SSEM & Founder, AR4 Tech Pvt Ltd
3. Mr Pranav Singanapalli, Member, SSEM & Founder & CEO, Emote Electric Pvt. Ltd.,
4. Mr. Ananda Arul Prakasam, Member, SSEM & Technical Manager – Automotive, Hexagon

For Registration
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 www.facebook.com/SSEMObility/
 www.linkedin.com/company/society-for-smart-e-mobility/

SSEM
Society for Smart E-Mobility

Upcoming Events:

**Conference on “Latest Trends in EV’s:
Battery & Battery Management Systems (BMS)”
on 12th December, 2024**

Supported by



Organised by



Co - Sponsor



Conference on Electric Vehicles - Battery & Battery Management System (BMS)



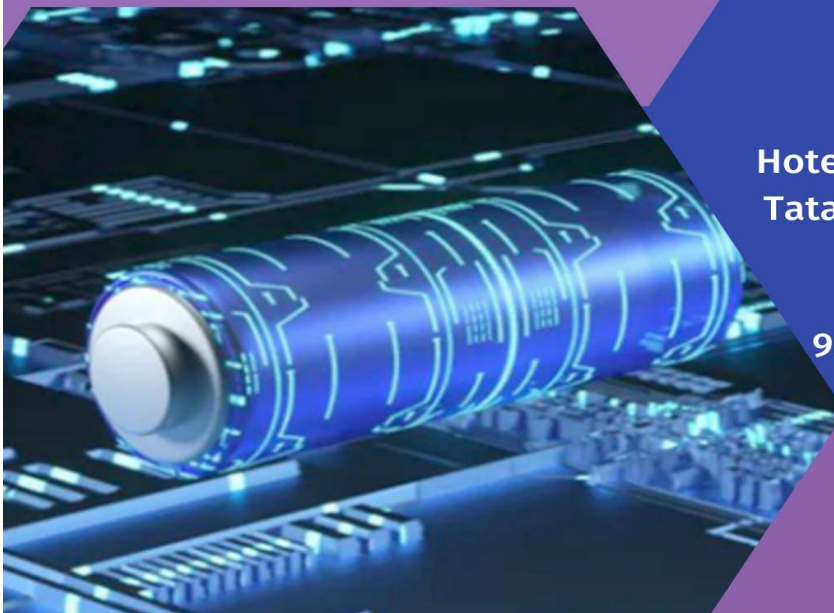
12th December, 2024



**Hotel KISCOL Grands,
Tatabad, Coimbatore**



9.00 AM - 5.00 PM



Upcoming Events:

CONCEPT NOTE



The electric vehicle drivetrain offers new freedom in terms of electric vehicle architectures while leading to new challenges in terms of meeting all requirements. Since electric vehicles have an electric motor and a battery instead of a combustion engine and a fuel tank, the architecture becomes simple and controllable at the component level. Modifications to locate the battery pack safe zone in an EV require extensive adoptions to integrate the battery safely.

A Battery Management System (BMS), which manages the electronics of a rechargeable battery, whether a cell or a battery pack, thus becomes a crucial factor in ensuring electric vehicle safety. It safeguards both the user and the battery by ensuring that the cell operates within its safe operating parameters. BMS monitors the State of Health (SOH) of the battery, collects data, controls environmental factors that affect the cell, and balances them to ensure the same voltage across cells.

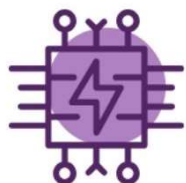
BMS is a sophisticated electronic system responsible for monitoring, regulating, and optimizing the battery pack's operation. It is essential to have a well-designed and highly capable BMS that can ensure the battery's safety, longevity, and consistent power delivery. Emerging Trends in Battery Management Systems which includes Cloud-based BMS, Wireless BMS and Machine Learning (ML) and Artificial Intelligence (AI).

With the above background, SSEM is organising a one-day Conference on "Latest Trends in Electric Vehicles : Battery & Battery Management System" on 12th December, 2024 from 0900 hrs to 1700 hrs at Hotel KISCOL Grands, Tatabad, Coimbatore.



The conference will focus on

- To offer a platform to interact with speakers, leading manufacturers of EV Battery
- To bring all concerned industries together for the exchange thoughts and ideas, networking etc.,
- To discuss a way forward for the EV Battery & BMS
- To connect tech providers, charging solutions providers, battery recyclers etc.



Upcoming Events:



TOPICS TO BE COVERED

Battery Component Manufacturing & Manufacturing Process

Importance of Battery Management System (BMS)

Battery Management System in Electric Vehicles

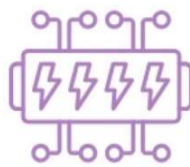
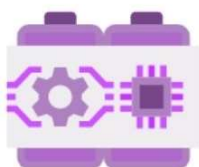
Engineering Thermally Efficient Battery Packs : Advanced CFD Design and Simulation Techniques for Optimal Performance.

Battery Recycling - Key Government Policies

The leading personalities from the electric vehicle battery manufacturers, allied components manufacturers and senior officials from the Central & State Government will address the one-day conference.

THE CONFERENCE IS USEFUL FOR

- Electric Vehicle Battery Manufacturers
- Automotive Component Manufacturers'
- Charging Infrastructure and Solutions Provider
- Battery Technologists & Industry professionals
- Mobility solutions providers
- State and Central Govt. Agencies
- Battery Design & Development Agencies
- Designers and Startups of BMS
- Manufacturers of BMS
- Educational Institutions and Research Bodies in EV etc.,



Upcoming Events:

Suggested delegate fee (Per participant):

Category	SSEM Members	Non- Members
Industry	Rs.2000/-	Rs.3000/-
Institution / Individual	Rs.1500/-	Rs.2000/-
Student	Rs.1200/-	Rs.1500/-

Note : 10% Discount will be allowed for three or more than three nominations from same company/institution

SOCIETY FOR SMART E-MOBILITY



The Society for Smart E-Mobility (SSEM) is a registered Not-For-Profit Association of industries, Institutions and Professionals with interest to work & contribute in developing future mobility solutions focusing on autonomous, connected, electric and shared services formed in Coimbatore. We have more than 80+ active members from the Electric Vehicle Industry and Academic Institutions in Coimbatore and other places.



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Visit Our Website

www.smartemobility.org

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Tamil Nadu, India

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www.linkedin.com/company/society-for-smart-e-mobility/

For registration, please use below link:

<https://forms.gle/Au43PtqZgTQxDh2S8>

Member Enrolled in October 2024:



1. L. G. Balakrishnan & Bros Ltd.

LGB has become the first Indian Company to supply Timing Chains to 4 Wheeler OEMs in India and is the largest timing chain exporter from India to the U.S. Today. LGB is the No. 1 OEM supplier of 2 Wheeler Drive Chains, which holds largest market sharing OEM and Replacement market.



Today LGB Stands proud as premier manufacturer of Automotive Chains, Sprockets and Chain Tensioners under popular brand name 'ROLON'. LGB also produces world class Fine Blanked Products and Precision Machined Gears and Parts. The company has 20 chain manufacturing plants, all ISO / IATF certified.

Members Desk:

Our Member in Media: Propel Industries Pvt Ltd

சாலை போக்குவரத்துக்கு தகுதி பெற்ற முதல் மின்சார டிப்பர்



'ப்ரொப்பல் இண்டஸ்ட்ரீஸ்' நிறுவனத்தின் '470 ஹெச்.இ.வி.,' என்ற மின்சார டிப்பர் லாரி மத்திய அரசின் பாதுகாப்பு தரங்களுக்கு இணங்க சாலை போக்குவரத்துக்கு தகுதியானது என்ற தர சான்றிதழை பெற்றுள்ளது. இது, இந்தியாவின் முதல் மின்சார டிப்பர் லாரி ஆகும்.

இதுகுறித்து ப்ரொப்பல் நிறுவனத்தின் நிர்வாக இயக்குனர் செந்தில் குமார் பேசியதாவது:

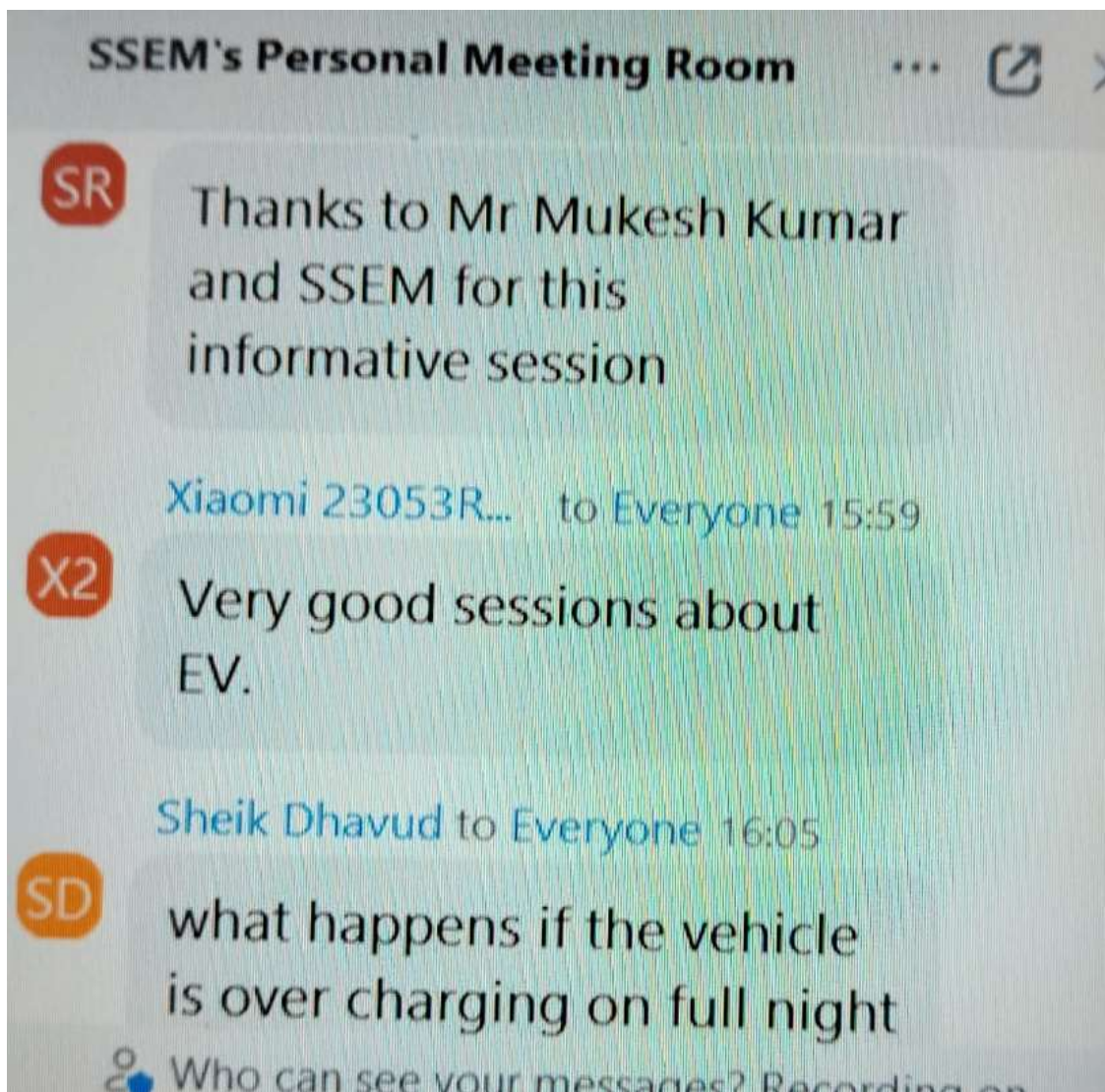
இந்த மின்சார டிப்பர் லாரி ஆப்ரோடு பயன் பாட்டுக்கு உருவாக்கப்பட்டது. ஆனால், இந்த சான்றிதழை பெற்றுள்ளது, எங்கள் எல்லைகளை விரிவு படுத்துவது மட்டுமின்றி, தொழில்துறை வளர்ச்சியின் தேவைகளை பூர்த்தி செய்து புது மையான தீர்வுகளையும் வழங்க உதவுகிறது. இது, இந்தியாவின் சுரங்கம் மற்றும் கட்டுமான துறையில் குறிப்பிடத்தக்க மைல்கல் ஆகும்.

இவ்வாறு அவர் தெரிவித்தார்.

இந்த லாரி, 385 மற்றும் 256 கி.வாட்.ஹார்., ஆகிய இரு பேட்டரி வகையில் வருகிறது. காம்பாக்ட் வீல் பேஸ், குறைந்த டர்னிங் ரேடியஸ், பாஸ்ட் சார்ஜிங், லிக்விட் கூல்டு மோட்டார், ஆட்டோ டிரான்ஸ்மிஷன், ஏ.பி.எஸ்., உள்ளிட்ட பல அம்சங்கள் இதில் உள்ளன.

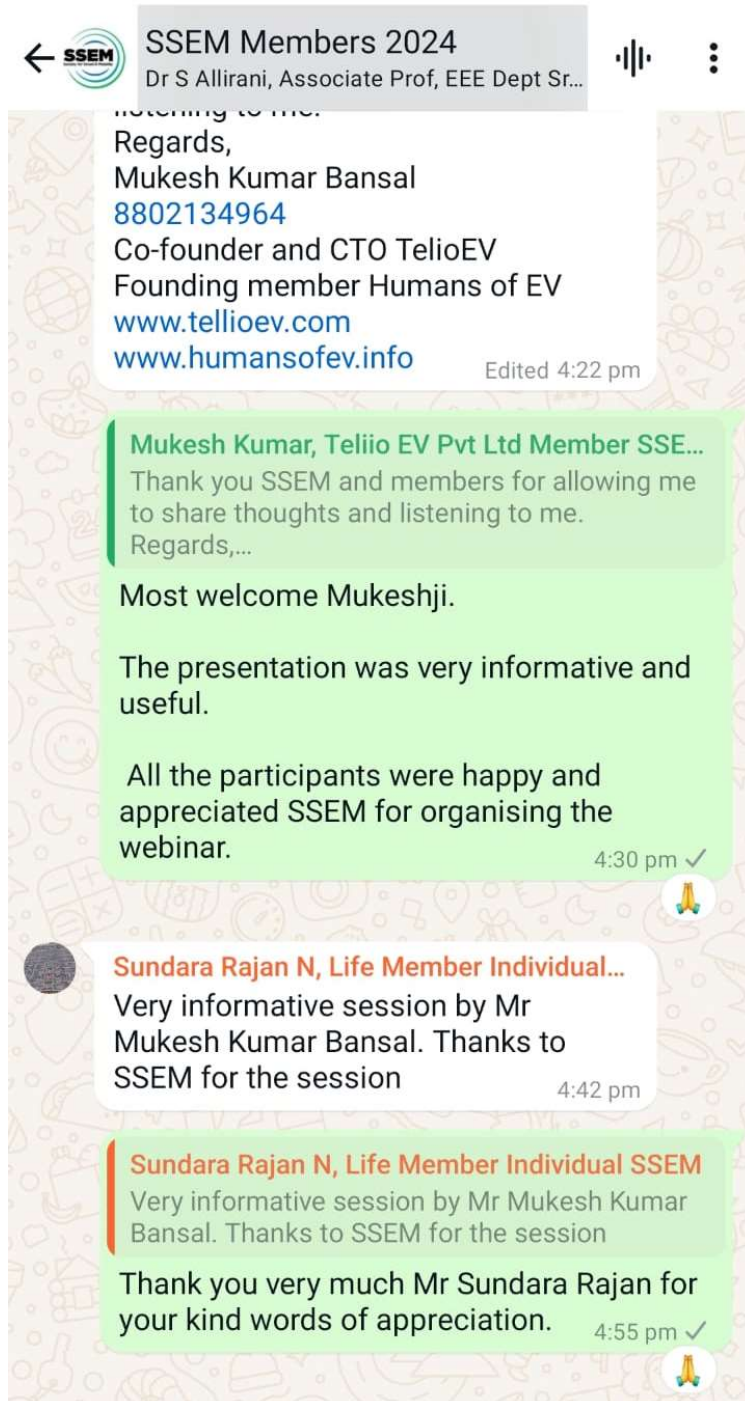
Members Desk:

Response received from Participants for our Webinar on “EV Charging” held on 22nd October, 2024



Members Desk:

Response received from Participants for our Webinar on “EV Charging” held on 22nd October, 2024





Society for Smart E-Mobility - SSEM

For more details, you may reach us @

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LinkedIn - <https://www.linkedin.com/company/society-for-smart-e-mobility/>

Instagram - www.instagram.com/ssemobility/?hl=en

Source: [https://blog.sustvest.com/electric-vehicle-future-in-india/#:~:text=Electric%20Vehicles%20Future%20In%20India%3A%20Projected%20Growth&text=The%20Indian%20electric%20vehicle%20market,period%20\(2022%2D2027\).](https://blog.sustvest.com/electric-vehicle-future-in-india/#:~:text=Electric%20Vehicles%20Future%20In%20India%3A%20Projected%20Growth&text=The%20Indian%20electric%20vehicle%20market,period%20(2022%2D2027).)
https://economictimes.indiatimes.com/news/india/tamil-nadu-advances-towards-vision-of-distributed-growth-with-slew-of-projects/articleshow/114908646.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst

<https://www.livemint.com/auto-news/ford-eyes-electric-vehicle-production-in-tamil-nadu-to-re-enter-indian-market-industries-minister-t-r-b-rajaa-11727780088608.html>