



KSINSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INDUSTRIAL VISIT

REPORT ON

“Auto EV India 2024 Summit - Bengaluru”



Year/Sem:	4 th Year / 7 SEM
Event Type:	Industrial Visit
Event Name:	Auto EV India 2024 Summit -2024
Date/Duration:	27-11-2024
No.of Students:	40
Speaker Details:	NA
Online link/Offline:	Offline

About Summit:

The Third Edition of Auto EV India 2024 is slated to be one of the world’s premier Electric Vehicle and Automotive technology Exhibition and Conferences. The Auto EV India gathers all kinds of technologies for EVs, HVs and FCVs; Components, modules, semiconductor, Motors, Inverters, Rechargeable Batteries, Chargers, parts, lightweight material and testing etc. Automotive OEMs and Tier 1 suppliers visit the exhibition to find suppliers and partners. The Auto EV India 2024 is an exhibition on technologies for electric vehicles and hybrid vehicles. This exhibition offers the exhibiting companies the opportunity to present the latest products and technologies relating to EVs, HVs, and FCVs. Visitors can find the latest and most innovative technologies and in-depth and comprehensive information about the latest developments, trends, products and services in various fields.

Auto EV India encompasses the entire technology ecosystem in the automotive space. It gathers a variety of automotive electronics technologies such as components, materials, software, manufacturing equipment, testing technologies, Battery and Battery charging, Tyre, IT solutions for Electric Vehicles and other Automotive technologies.

The show offers the massive opportunity to meet the manufacturers, suppliers, engineers, influencers and purchase heads focused on the latest developments in technology and the entire ecosystem in the e-mobility industry.

The Indian Automotive industry is increasingly absorbing new technologies and promoting indigenous R&D for adapting these technologies for Electric Vehicles. Auto EV India paves the way for newest components and technologies in the realm of eMobility and opens the window for technology transfers. Auto EV India offers the ideal platform to showcase new products and technologies and new product launches, concept vehicles, trade dialogues and huge overseas participation.

Why to Visit

The Auto EV India 2024 will host a massive exhibition on EV and Automotive businesses for next-gen technology, innovative products, solutions and trends. The 3-day exhibition will provide an excellent opportunity for Automotive professionals to witness all the latest and the greatest that the EV and Automotive industries have to offer right from Drive System, Batteries, Motor Technologies, Parts and Materials, Controllers, Measurement and Simulation, Production Facilities, Peripherals, Power Devices, Heat-Resistant Products, Inverter, Evaluation and Testing System, Chargers, Connectors, and Harnesses on the technology side to scintillating 2, 3 and 4 wheelers and other electric vehicles on the product side.

Convening the entire EV and automotive ecosystem under a one roof, the exhibition will allow visitors to witness the next-generation technology and the new generation Electric Vehicles giving them the opportunity to engage directly with a large gathering of industry buyers in real-time and build strategic business alliances.

Organizer Information

New Delhi Print Media Pvt. Ltd., the publishers of ELE Times; Asia's most popular magazine on electronics & technology is organizing the event.

The company has an experience of more than 12 years in the technology domain with its Print, Online, Digital, Social platforms and Events. The company has an experience of supporting more than 25 major successful trade fairs as their main official media partners in India and Worldwide.

A continual experience in the promotional fields equip us to understand our buyers needs and enable us to execute accordingly. With its debut in the event business in 2022 through maiden exhibition (Auto EV India 2024), the company has a rich experience in organizing successful trade fairs and conferences. The same experience will further equip the company to execute the shows in flawless manner.

Event description with pictures:

India is expected to be the world's third-largest automotive market in terms of volume by 2030

The Automobile industry produced a total 22.93 mn vehicles including Passenger Vehicles, Commercial Vehicles, Three Wheelers, Two Wheelers, and Quadricycles in April 2021 to March 2022. India holds a strong position in the international heavy vehicles arena as it is the largest tractor manufacturer, second-largest bus manufacturer, and third largest heavy trucks manufacturer in the world.

Currently, the automobile industry contributes 7.1% of India's GDP and 49% of its manufacturing GDP.

The EV market is expected to grow at CAGR of 49% between 2022-2030 and is expected to hit 10 mn-unit annual sales by 2030. The EV industry will create 50 mn direct and indirect jobs by 2030.

A market size of \$50 bn for the financing of EVs in 2030 has been identified—about 80% of the current size of India's retail vehicle finance industry, worth \$60 bn today.

Passenger vehicles posted highest ever sales at 25,04,084 units in FY 2022-23 as on November 2022. The industry is expected to post a growth of 16% in FY23

India's trucking market is expected to grow over 4x by 2050. The number of trucks is expected to more than quadruple, from 4 mn in 2022 to roughly 17 mn trucks by 2050

India's Automotive Industry is worth more than \$222 bn and contributes 8% of the country's total export and accounts for 7.1% of India's GDP and is set to become the 3rd largest in the world by 2030.

There is a shift in preferences of the customers as they have started to move towards larger/more powerful vehicles across all segments.





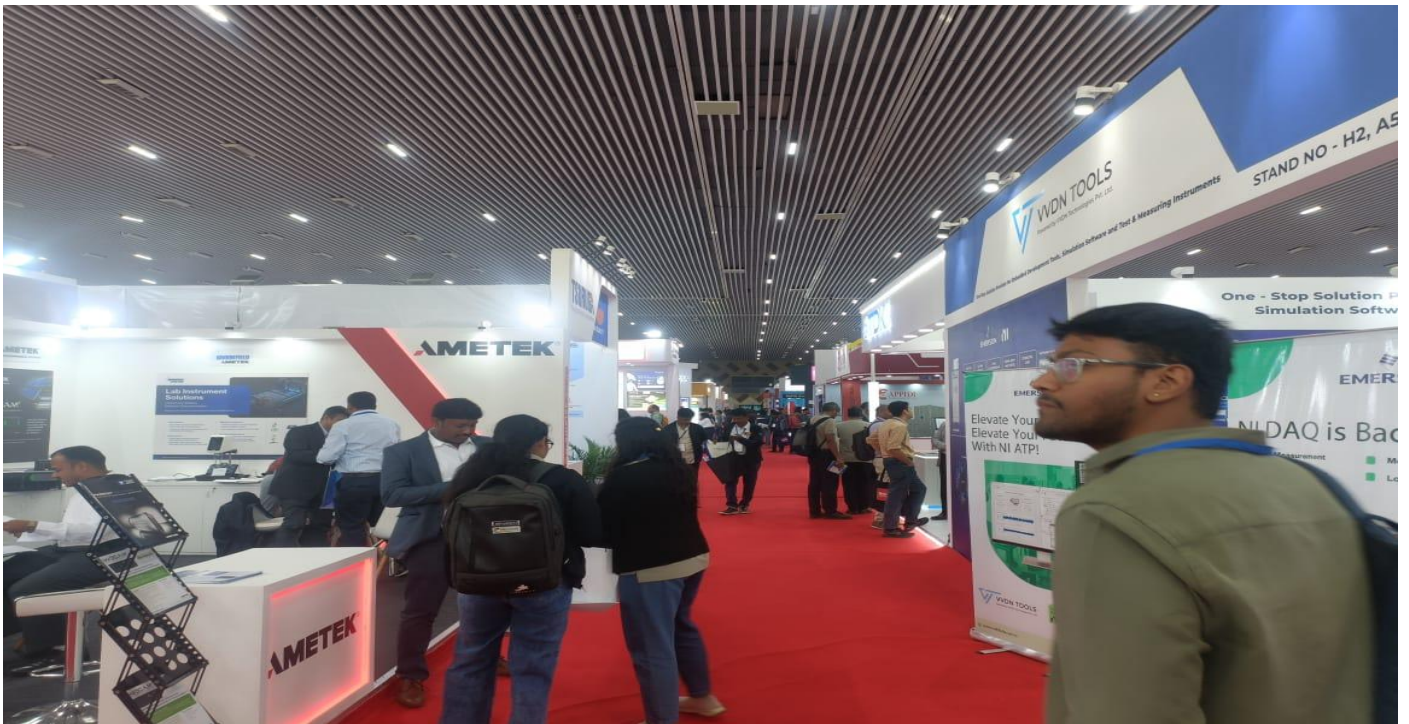


27 28 29 November 2024
KTPO Whitefield, Bengaluru

An Automotive & EV Technology Show

Prof T Somasekhar

KSIT Bangalore



EO#	EVENT OUTCOMES
EO1	Students will gain practical exposure to industrial operations aligning with their academic knowledge.
EO2	Participants will understand the real-world application of modern engineering tools and processes.
EO3	Enhanced awareness of industry challenges and solutions.
EO4	Improved appreciation of ethical and sustainable practices in the workplace.

PO1: Science and engineering Knowledge PO2: Problem Analysis PO3: Design & Development PO4: Investigations of Complex Problems PO5: Modern Tool Usage PO6: Engineer & Society PSO1: Ability to understand, analyze problems, and implement solutions in Programming languages, as well to apply concepts in core areas of Computer science in association with professional bodies and clubs.	PO7: Environment and Sustainability PO8: Ethics PO9: Individual & Team Work PO10: Communication PO11: Project Management & Finance PO12: Lifelong Learning PSO2: Ability to use Computation Skills and apply software knowledge to develop effective solutions and data to address real world challenges.
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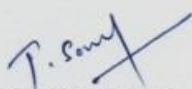
EO-PO Mapping


EO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
EO1	3	3	3	-	-	-	-	2	-	2	-	-	2	-
EO2	3	3	3	-	-	-	-	2	-	2	-	-	2	-
EO3	3	3	3	-	-	2	2	2	-	2	-	-	2	-
EO4	3	3	3	-	-	2	2	2	-	2	-	-	2	-

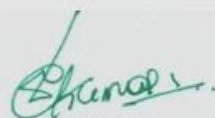
3	Substantial (High) Correlation
2	Moderate (Medium) Correlation
1	Slight (Low) Correlation
-	No correlation.

PO's Attained: PO1, PO2, PO3, PO6, PO7, PO8 and PO10

PSO's Attained: PSO1


 Co-Ordinator Sign



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