

Workshop on “Global & Recent Advancement in EV Industry”

Speaker’s Name & Designation: Sagar Rainna Mujoo, Assistant Section Manager at Toray Industries, Inc.

Attendees- Energy and Environment Batch 2021-23

Online | August 13 ,2022| 11:00 am – 1:00 pm| Participants- 50+

On the 13th of August 2022, the students of MBA Energy and Environment Batch 2021-23, SIIB, attended a guest lecture by Mr. Sagar Raina Mujoo, Assistant Section Manager at Toray Industries, Inc. The topic for the session was “Global & Recent Advancement in EV Industry”.

Mr Raina initiated the session by briefing everyone about the global outlook of the EV market, how it has grown to double in sales within the last decade, and the cost comparison between ICE (internal combustion engine) and EVs. Quite notably, he highlighted why EVs are the product of choice in the market right now. Mr Raina gave a clear idea of EVs in the Indian context with the product portfolio of companies in the Indian market. Additionally, Mr Raina emphasised the government's policies towards the push to build an entire EV ecosystem in India. Furthermore, he talked about regulations like FAME, PLI and state intrinsic policies and standards such as IP67, BIS standards and performance standards that manufacturers have to ensure. Mr Raina thoroughly explained the entire value chain involved in the EV market and the challenges way ahead for the EVs. He has also described the market dynamics and the key players in the sector.

Continuing the lecture, the lecturer further intrigued the students by mentioning various Innovations in the EV industry, which included the Fast Charging Technology by LOG9 Materials, improvement in the Thermal Management of EV Battery packs by Castrol and implementation of the low moment of inertia achieved by Ather Energy. Mr. Raina also briefly introduced Toray and discussed its footprint in the country, showcasing its expertise in collaboration with famous brands like Toyota, Subaru, Honda, and many more. On a concluding note, the lecturer discussed the possibilities and opportunities of a shift to the New Energy Vehicles from the traditional Strategy-Electrical Vehicles with developments in Hydrogen Vehicle and its importance in Heavy Vehicles. The lecture ended with an interactive round of questions and answers.

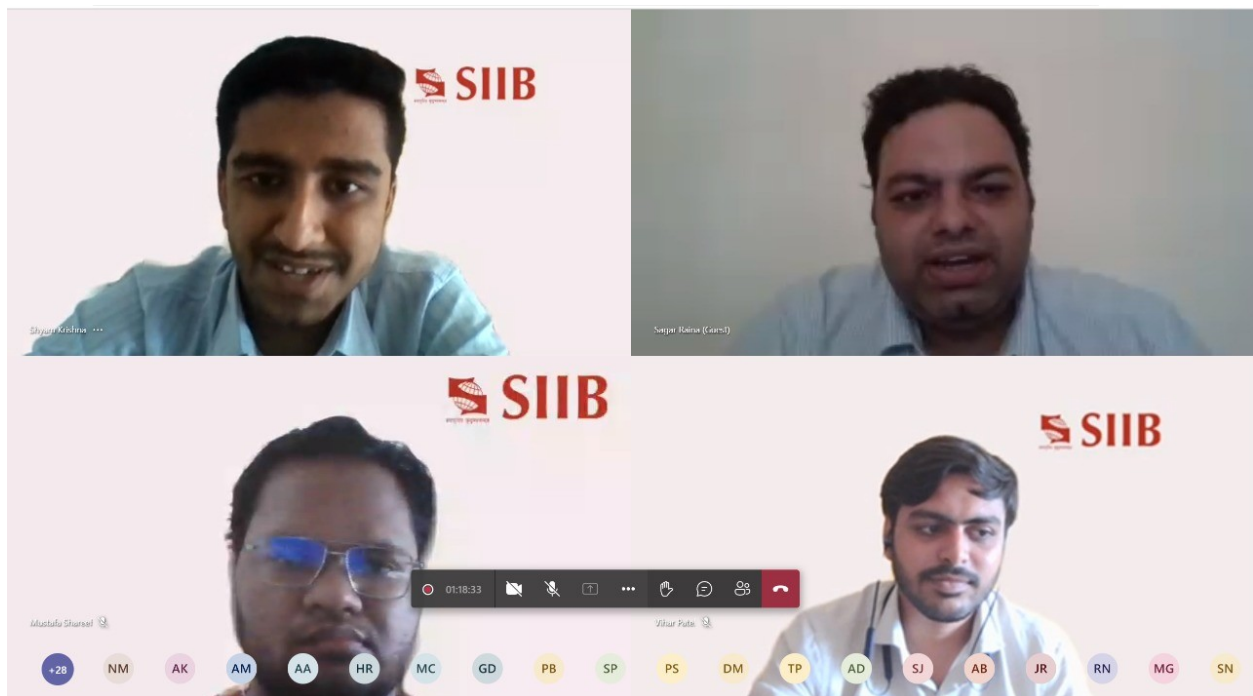
Feedback:

1. “The lecture was really enlightening and Sir had a unique way about explaining the topic. It gave me a clear picture of India’s situation with respect to EV and the upcoming innovations.” – Sarang Nair (MBA Energy and Environment, 2021-2023)
2. “Sagar sir’s knowledge in the EV Sector is immense and it was a really good experience to understand his perspective in this aspect and definitely helped me gain and understand newer upcoming technologies.” – Simran Patel (MBA Energy and Environment 2021-2023)

Overall Feedback:

The session gave the students of the Energy and Environment a detailed insight into the global EV sector, along with various newer technologies that are upcoming in the EV Sectors, especially how to foresee the market penetration in the coming 10 years.

Pictures:



Workshop by Mr. Sagar Raina (E&E)

Why Electric Vehicles?

- India is the biggest 2W market in the world.
- TATA recorded 4000 vehicle production number for EV in July
- India is the fastest growing market for electric 3W
- GoI working towards developing the ecosystem for EVs
- Market penetration for Auto products in India is low

Sagar Raina (Guest)

25°C Rain showers

11:15 13-08-2022

Participants (SIIB):

- Bhavik Gore
- Rajagopalan Nair
- Abhinav Kumar
- Suyash Patil
- Naveen Mucharla
- Amritansh Agrawal
- Vihar Patel
- G Krishnan
- Shyam Krishna
- Anshuman Barik
- Kiran Thummala
- Mahesh Chavan
- Sarang Nair
- Pritam Bagal
- Patibandla Srikar
- Simran Patel
- Jayakrishna Rajan
- Mustafa Shareef
- Souhardya Chatterjee
- Adarsha Maity
- Sagar Raina (Guest)
- Akshay Dwivedi
- Archisman Dey
- Sushrut Jadhav
- Dhiren Patil
- Devarati Mitra

Participant icons: +36, DM, TP, AD, SJ, AB, JR, RN, MG, VP, SN, SR, MS, SK