Event Report:

Title: ENVIRONMENTALLY SUSTAINABLE AUTOMOTIVE FRICTION MATERIALS FOR ELECTRIC VEHICLE

Date: September 13-14th, 2024

Location: Automobile Seminar Hall, Main Campus, SRMIST

Introduction:
The event on "Environmentally Sustainable Automotive Friction Materials for Electric Vehicles" was held to address the increasing demand for eco-friendly materials in the rapidly growing electric vehicle (EV) market. With environmental sustainability becoming a focal point in automotive manufacturing, the forum discussed the transition from traditional friction materials to those that align with sustainability goals while meeting performance standards.

Event Overview:

The event extended across two immersive days, spotlighting impactful keynote speeches and interactive networking sessions. Distinguished by the presence of Senior Vice Presidents from leading tech enterprises and renowned experts specializing in brake friction materials, the event aimed to provide insightful discussions and networking opportunities at the intersection of technology and environmental sustainable automotive solutions.

Objectives

The main objectives of the event were:

- To explore alternative, sustainable materials for brake pads and friction materials used in electric vehicles.
- To evaluate the environmental impact of traditional materials and identify challenges in adopting eco-friendly alternatives.
- To discuss regulatory trends, innovations, and market shifts toward greener automotive brake friction materials.

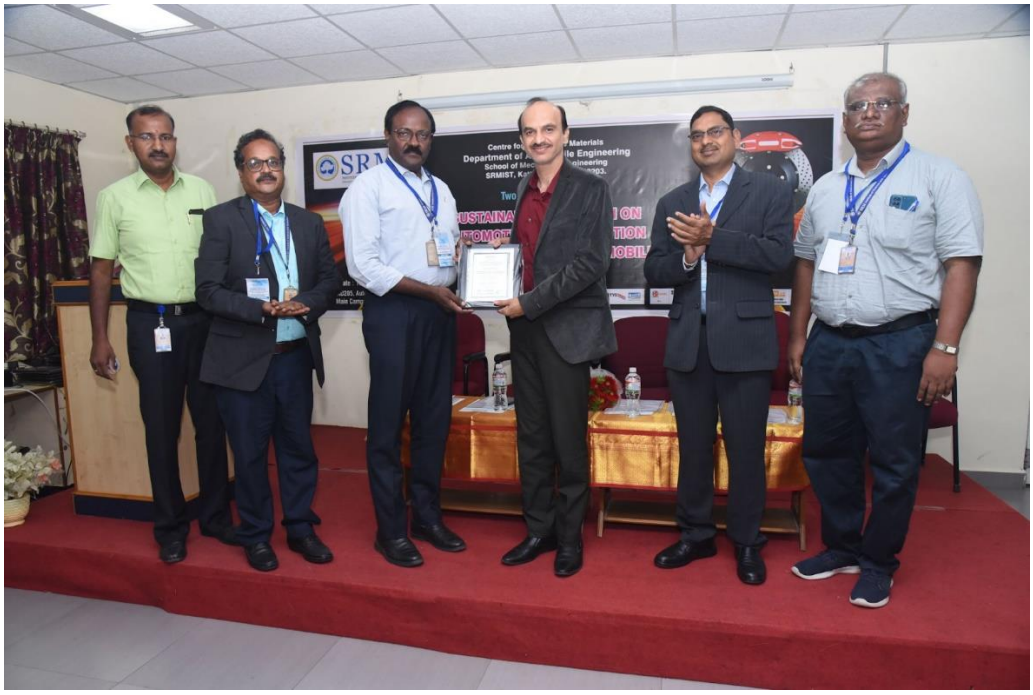
Key Highlights:

The workshop showcased an extensive program comprising 9 meticulously curated sessions, delivered by esteemed academic and industry experts. Among our distinguished lineup were professionals representing prestigious organizations and institutions like Volvo Group India Private Limited, , Mahindra, Renault Nissan, ADAMS, - RNTBCI, Rane Brake Lining Limited TI CLEAN MOBILITY PVT, Carborundum Universal Limited, The Papua New Guinea University, Leeds University, UK and other esteemed entities. These sessions, thoughtfully crafted, provided invaluable insights into the cutting-edge advancements within the domain of automotive brake friction materials tailored for electric vehicle. The diverse expertise ensured that our workshop served as a dynamic platform fostering learning, engagement, and networking opportunities for all participants.

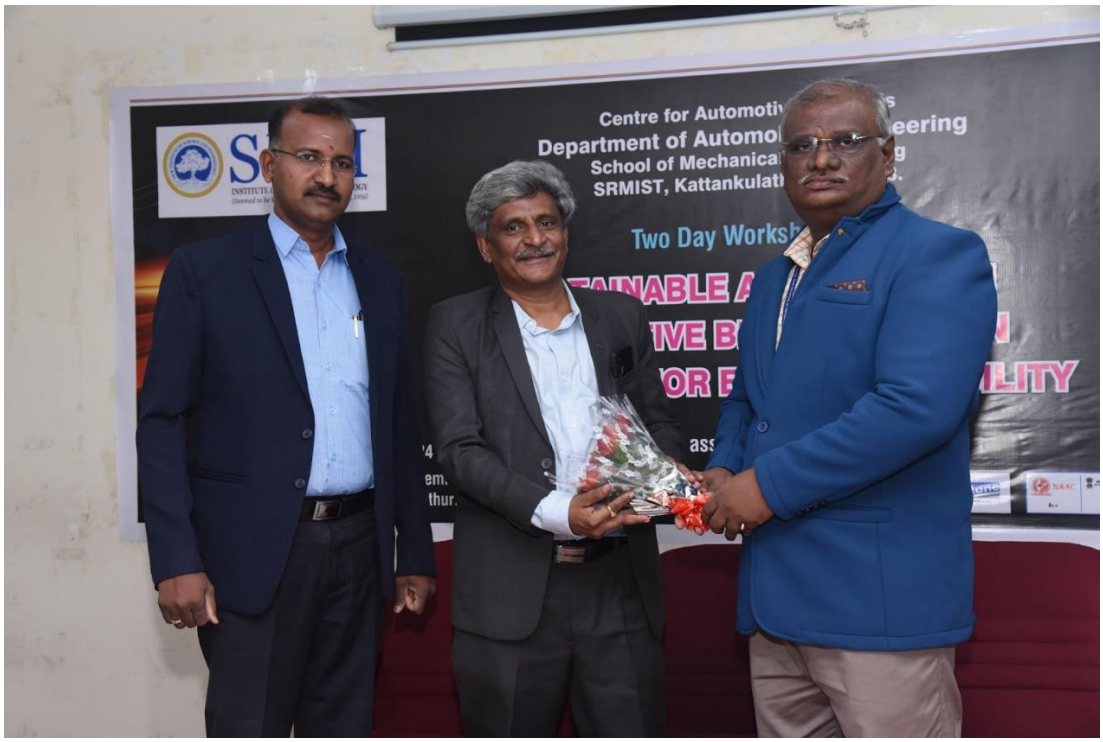
Conclusion:

The event underscored the growing necessity for sustainable innovation in the automotive industry, especially for electric vehicles where reducing overall environmental impact is critical. While challenges remain, advancements in alternative friction materials are encouraging, with the industry moving toward a future where sustainability is not just an option but a core requirement. The event concluded with a commitment to continue research collaborations and to organize follow-up workshops focusing on the development of sustainable friction materials tailored for electric vehicles.

Group photo of the Chief guest, Guest of honour keynote speakers and participants at the workshop inaugural function.



Felicitation of the chief guest, Mr. Anantharaman Prakash, Senior Vice President - Product Engineering, Renault Nissan Technology Business Centre India, by Prof. Leenus Jesu Martin at the inaugural function of the workshop



Felicitation of the chief guest Mr. NSR Kanna, Vice President - R&D Sundaram Brake Linings Limited by Convenor Prof. J. Chandradass at the Valedictory function of the workshop

Welcome address by Convenor Dr.P.Baskara Sethupathi at the valedictory function of the workshop