ABOUT NIT SRINAGAR

National Institute of Technology, Srinagar was established in 1960 as the Regional Engineering College, Srinagar. The Institute acquired the status of NIT in August, 2003 and attained full autonomy in its Academics. In 2007, it became an Institute of National Importance. It is one of the 31 NITs and it is directly under the control of the MHRD. The Institute is situated at the banks of worldfamous Dal Lake. Besides running various undergraduate, post graduate and doctoral programmes, Institute has also established an Innovation Incubation and Entrepreneurship Development (IIED) centre.



ORGANIZING COMMITTEE

Chief Patron

Prof. Rakesh Sehgal Director, NIT Srinagar (J&K)

Patron

Prof. Sheikh Nazir Ahmad Head of Department, Mechanical Engineering

Coordinator

Dr. Harveer Singh Pali Assistant Professor Department of Mechanical Engineering

Co-Coordinator(s)

Dr. Mohammad Mursaleen Assistant Professor, Mechanical Engineering Dr. Mohammad Mohsin Khan Assistant Professor, Mechanical Engineering Dr. Neeraj Gupta Assistant Professor, Electrical Engineering

Organizing Team

Ashsih Kumar Singh, PhD Scholar, MED Akash Kumar Dwivedi, PhD Scholar, MED Ashique Lone, PhD Scholar, EED

For Further Details Dr. Harveer Singh Pali hspali@nitsri.ac.in +91-8076729852

Visit: <u>www.nitsri.ac.in</u>

One Week

Faculty Development Program



National Institute of Technology Srinagar Srinagar-190006

Sponsored by





AICTE Training and Learning (ATAL) Academy, AICTE New Delhi

ABOUT THE PROGRAMME

Electrical Vehicle (EV) is a prominent solution of fuel crises and environmental pollution for global transportation sector. This Programme is designed to provide the state-of-the-art trends and advancements in Electric Vehicle. The Programme will focus on theoretical aspects as well as providing hands on experience to the participants. It will enable them to promote industry and institute collaborations by working on the current research problems. The participants will be introduced to fundamentals of Electric Vehicles. components such as cables, battery, drives and controllers used in of Electric Vehicles and develop the understanding of how to use optimization techniques such as AI and ML to improve the features of EV. The participants will be trained with hands-on approach in order to have an in-depth insight into the domain of Automobile and expose them to Feasibility & future scope of EV.

TOPICS TO BE COVERED

- **Battery thermal management**
- Recent EV Technologies



Certificate: Certificate to the participants will be issued on successful completion of the FDP as per the ATAL FDP guidelines.

RESOURCE PERSON





Prof. C S Shankar Ram, IIT Madras



Prof. BK Panigrahi

IIT Delhi



Prof. Navneet Arora, IIT Roorkee

Dr. A V Ravi Teja

IIT Ropar

Dr. Aashish Bohre NIT Durgapur

Er. Rakesh Tyagi **AVL Technology**

Dr. Gaurav

Kumar, IIIT

Bhagalpur

Dr. Arun Kumar

MNIT Jaipur

Pine

Dr. Neeraj Gupta



Dr. T K Bera. NIT Durgapur

Registration no registration program.



VISION OF THE INSTITUTE To establish a unique identity of a pioneer technical Institute for NIT Srinagar by developing a high quality technical manpower and technological resources that aim at economic and social

development of the nation as a whole and the region in particular keeping in view global challenges.

MISSION OF THE INSTITUTE

- (1) The broad mission of NIT Srinagar is to create a strong and transformative technical educational environment in which fresh ideas, moral principles, research and excellence nurture with international standards.
- (2) Technically educated and broadly talented engineers, future innovators and entrepreneurs, graduate with understanding the needs and the problems of the industry, the society, the state, and the nation.
- (3) We promise to inculcate the highest degree of professionalism, confidence. academic excellence and engineering ethics in budding engineers.

Expected Outcomes o

- Participants will get in
- ctivities on Ele ut the Research a

rv Manad







Prof. Naveen Kumar,

DTU Delhi





Opportunity and Challenges for Electric Vehicles in the Automotive

26-30, July 2021 Sponsored by AICTE Training and Learning (ATAL) Academy Organized by National Institute of Technology Srinagar, J&K





***Participants are required to register at https://atalacademy.aicte-india.org/participant/workshop by selecting this FDP Title.