

IIT-I may work on EV ecosystem with firms & foreign varsities

Meenakshi.Sharma
@timesgroup.com

Indore: The Indian Institute of Technology (IIT), Indore, is contemplating to partner with industries and foreign universities to give a thrust to electric vehicle (EV) ecosystem and create a skilled talent pool in the segment.

IIT-I is working on various projects in the EV segment aimed at addressing challenges and streamline adaptation of the EV technology.

To contribute to the EV ecosystem, the institute is researching effect of EV charging on the grid, sensors related to EV, battery energy storage system, charges, and power electronics related to EV among others.

IIT-I electrical department professor and Centre for Electric Vehicle and Intelligent Transport Systems professor-in-charge Amod Umarikar said, "IIT-I is working on a number of projects in EV and looking to collaborate with industries and foreign universities to give a boost to the ongoing activities. We are in discussion with industries which are working in EV technology and some universities from abroad to collaborate on research and address challenges in the EV segment."

The institute said smooth electricity supply and adapting the EV technology in the Indi-



an environmental conditions are major challenges to EV in India.

"The main challenge in EV can be electricity supply and adapting EV technology under Indian environmental conditions. To address these challenges, there are aggressive steps taken by the government and the private sector to increase research and development in various aspects of EV," said Umarikar.

The institute also stressed on developing a talent pool for the EV segment and has designed training programmes for industries.

Umarikar said, "Apart from training industry, we also run a MTech programme in EV technology from 2021 to give training in latest technology and aid in innovation and development."

Recently, IIT-I also held a skill enhancement programme on 'EV Mobility and Solutions' for academia and industries to give a push to research, innovation, skill development, entrepreneurship, job creation towards green mobility and sustainable habitat.