

Development of a learning Framework for renewable energy-based battery swapping station: A young professional perspective for start-ups, business hubs, and employability

Graphical Abstract/ Layout



Principal Investigator
Dr. B. Ashok
Professor

School of Mechanical Engineering



Co-Principal Investigator
Dr. Tapano Kumar Hotta
Professor

School of Mechanical Engineering



Co-Principal Investigator
Dr. Bibhuti B. Sahoo
Professor

School of Mechanical Engineering



Co-Principal Investigator
Dr. K. Palanisamy
Professor

School of Electrical Engineering

Name of the Funding Agency
British Council, UK

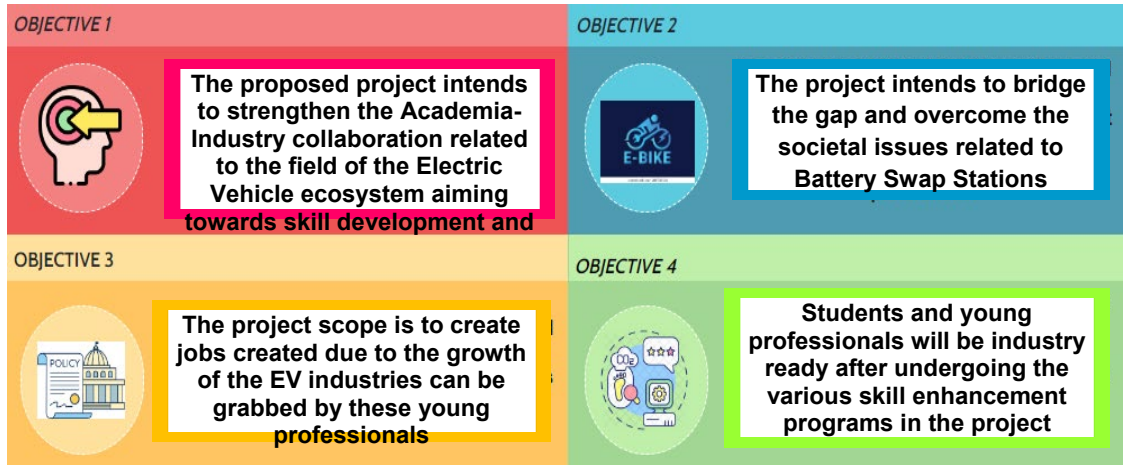
Name of the Scheme
Going Global Partnerships:
Industry-Academia Collaborative Grant

Sanctioned Amount (in Rupees)
Rs. 44,00,000

Duration of the Project (years)

1

Copyright © VIT



Project Description: (Restricted to 150 words):

The Indian Electric vehicle (EV) market known for 2-wheelers and 3-wheelers is growing day-by-day. This growth is possible by reducing the EV cost and battery charging duration. By facilitating the 'Battery Swap Station (BSS)' technology; a solution emerges. The BSS will allow swapping the discharged battery mechanically with a fully charged one. Here, the customers can buy the vehicle without a battery, which will reduce the EV cost. The project is aiming to design CPDs-type courses that would upskill industry current employees and undergraduates in the field of EVs. The team plans to share their expertise in designing courses and workshops considering academic quality assurance in developing, validating and accrediting learning and training courses as indicated in the UK QAA framework. The proposed project aims to develop a skilled workforce, promote startups, and, create awareness among consumers through the academia-industry collaboration in the form of training, workshop, networking event, etc.

Products/ Instruments/ Results/ Outreach Activities (Pictures)

