AI-Driven Adaptive Fast Charging for Electrical Vehicles-**Empowering Skills and Curriculum Development**



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Name of the Funding Agency Royal Academy of Engineering, UK

Name of the Scheme Transforming systems through partnership (23/25) India)

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Day 1 & Day 2 : Technical Sessions

Schedule will be communicated

Sanctioned Amount (in Rupees) Rs. 69,72,000

Duration of the Project (years) 1.3

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Graphical Abstract/ Lavout



Project Description:

The shift to Electric Vehicles (EVs) supports the country's commitment to reduce greenhouse gas emissions and decrease reliance on fossil fuels. Charging infrastructure is crucial to accelerating EV adoption. This project aims to develop innovative EV charging solution to aid faster transition to Net-Zero. By combining technical advancements with educational initiatives, the project intends to transform the landscape of EV charging and promote sustainable transportation.

Creating an innovative EV charger equipped with AI capabilities will not only accelerate charging speeds but also enhance user convenience and accessibility. This development will play a pivotal role in encouraging the adoption of cleaner transportation options. The proposed project establishes the joint ventures between internationally renowned UK Universities, Indian Institutes, EV manufacturers and Charging Infrastructure Providers along with start-up related to E-mobility. The diverse skills among the collaborators of this consortium will promote interdisciplinary approach towards charger development technologies.

Products&Outreach Activities



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