

Design and Development of Hybrid Moped Using Electrical and Petrol Operating Arrangement

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Abstract: *Due to the rapid depletion of fossil resources, an alternative energy vehicle is now required. Electric vehicles are a potential technology in the realm of transportation in the future. Electric vehicles cannot compete with fossil fuel driven vehicles due to minor limitations, prompting the development of hybrid technology. Concentrated attempts are being made to create a hybrid system concept, in which one system is charged while the other delivers propulsion power to the vehicle. When the s is powered by an electric motor, it produces nearly no pollution. This project is concerned with the development of hybrid vehicles, as solely petrol or electric vehicles are insufficient. This hybrid technique can compensate for both types' drawbacks.*

Keywords: Hybrid E-bike, Hybrid Moped, Conversion kit, Hub motor, BLDC Motor, Electronic Speed controller, Lithium Battery, Battery Management System, etc.

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