

**STUDY ON CHARGING STATION FOR 2-WHEELER  
ELECTRIC VEHICLE**

*A final Project report submitted in partial fulfillment of the requirements  
For the award of the degree of*

**BACHELOR OF TECHNOLOGY  
IN  
ELECTRICAL & ELECTRONICS ENGINEERING**

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Tamaram, Narsipatnam, Anakapalli-531113

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**CERTIFICATE**

This is certified that the project entitled " **STUDY ON CHARGING STATION FOR 2-WHEELER ELECTRIC VEHICLE**" is a bonafide work submitted by **P KANAKA MAHALAKSHMI, A BHANU PRAKASH, B DINESH, CH MADHU NIKILESH, N NARAYANARAO** in partial fulfillment of the requirements for the award of degree of

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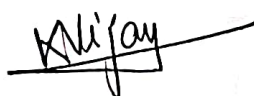
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## ABSTRACT

The increasing and implementation of electric vehicles (EVs) worldwide, there is a growing demand for efficient and convenient charging infrastructure, especially for two-wheeler EVs. This study investigates the infrastructure requirements and challenges associated with establishing charging stations for two-wheeler electric vehicles (EVs) in urban environments. With the increasing adoption of EVs, particularly in densely populated areas, the demand for accessible and efficient charging infrastructure is paramount. Through an analysis of existing charging station models and user behaviours, this study aims to identify optimal locations, charging protocols, and operational strategies to facilitate widespread adoption of two-wheeler EVs.

By examining factors such as charging station placement, power capacity, and grid integration, this study provides insights into the design and implementation of a comprehensive charging network. Additionally, considerations for user convenience, payment systems, and interoperability are addressed to ensure seamless access and utilization. The findings of this study contribute to the development of sustainable urban transportation systems, promoting the transition towards cleaner and more efficient mobility solutions.