FINAL YEAR PROJECT REPORT

WIRELESS CHARGER FOR ELECTRICAL VEHICLES

In fulfillment of the requirement
For degree of
BEE (Electronics)

By

M. SAMEED BIN REYAZ	31012 BEE(ELECTRONICS)
SHAHJAHAN A.RAHEEM	31034 BEE(ELECTRONICS)
S. SAIF NAEEM	31048 BEE(ELECTRONICS)

SUPERVISED

BY

DR. HAROON RASHEED

BAHRIA UNIVERSITY (KARACHI CAMPUS)
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Wireless Charger for Electrical Vehicles

ABSTRACT

The goal of this project was to do research and develop a prototype of the trending and developing Wireless Charger for Electrical Vehicles (EVs). The project deals with the wireless transmission of power over large distances. This report discusses various techniques and strategies involved and utilized to accomplish the project. Different stages along with detailed explanation of the project with graphs and MATLAB codes are listed in the report.

The research depicts a mechanism which has the ability to transfer power wirelessly, which adopts the basic theory of Inductive Power Transfer. The transferring distance increases from several millimetres to hundred and fifty millimetre with an amazing efficiency. This adaptive technique will prove to be a revolutionary change in the field of Electronics.

Recommendation for future improvement as well as the guide line for developing a wireless charger for electrical vehicle is included in the report.

TABLE OF CONTENTS