VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi – 590 010



PROJECT REPORT ON

"SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM"

Submitted in partial fulfillment of the requirements for the award of degree

BACHELOR OF ENGINEERING IN ELECTRONICS & COMMUNICATION ENGINEERING

Submitted By

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ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MOODBIDRI – 574 225

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the project work entitled "SOLAR WIRELESS ELECTRIC VEHICLE CHARGING SYSTEM" is a bonafide work carried out by

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BELAGAVI during the year 2022–2023. UNIVERSITY, It is certified that corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Signature of the Guide

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ABSTRACT

The design of a solar charging station for electric cars is thoroughly explained, along with how it solves the two main problems of fuel and pollution. There are more and more electric cars on the roads today. Electric cars have proven to be effective in reducing travel costs by switching from fuel to electric cars, which are much cheaper and have environmental benefits. However, in this case, we are developing a charging system for electric cars that provides a unique solution. There are no cables involved, solar power is used to maintain the charging system, and no external power source is required. Vehicles can be charged while driving. The development of the system involved the use of LCD displays, batteries, solar grid, control circuits, primary and secondary copper coils, AC to DC converters, At mega processors and inverters. This technique demonstrates how electric cars can be charged while driving, eliminating the need to stop for charging. The technology demonstrates how integrated wireless. Electric cars have now hit the roads all over the world and their numbers are slowly increasing. In addition to the environmental benefits, electric vehicles have also proven to reduce the cost of travel by replacing fuel with electricity, which is much cheaper.

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