

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI-590014 KARNATAKA



Project Report (18ECP83)

ON

**"MULTI-FEATURE BASED ELECTRIC VEHICLE
CHARGING SYSTEM"**

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by:

SRINIVAS.C (USN: 1SV18EC023)

KETANRAJ.S (USN: 1SV18EC010)

MAHADEVAIAH MB (USN:1SV19EC402)

RAVISH KUMAR (USN:1SV17EC012)

Under the Guidance of:

Mr. Pradeep KGM B.E., MTech, PhD,
Associate Professor, Dept of ECE., SIET
Tumkuru



SHRIDEVI
EDUCATION

Pradeep KGM

PRINCIPAL
SIET, TUMAKURU

A.C.
HOD
Dept of E&C
SIET, Tumkur-6

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Recognized by govt. of Karnataka, Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)

Sira Road, Tumkur-572106


2021-2022



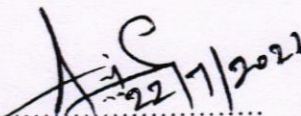
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Certificate

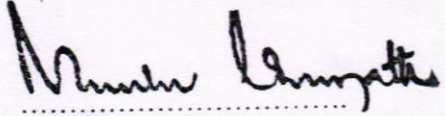
This is to Certified that the project work (18ECP83) entitled "MULTI-FEATURE BASED ELECTRIC VEHICLE CHARGING SYSTEM" has been Successfully carried out by SRINIVAS.C(USN:ISV18EC023),KETHANRAJ.S(USN: ISV18EC010), MAHADEV ALAH MB(USN:ISV19EC402),RAVISH KUMAR(ISV17EC012), a Bonafede students of Shridevi Institute of Engineering and Technology, Tumkur- 572106, in partial fulfillment for the award of Bachelor Of Engineering in Electronics & Communication Engineering of the Visvesvaraya Technological University, Jnana Sangama, Belagavi -590018, during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessments have been incorporated in the report. The project report has been approved as it satisfies the academic requirement with respect to the project work prescribed for the said Bachelor Of Engineering degree.


Signature of the guide 22/07/2022

Dr. Pradeep K G M
Associate professor
Dept. of ECE., SIET
Tumakuru


Signature of the HOD 22/7/2022

Prof. Aijaz Ahamed Sharief
HOD
Dept. of ECE., SIET
Tumakuru


Signature of the principal

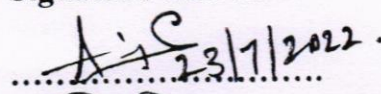
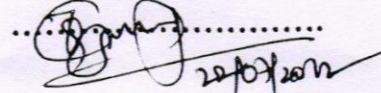
Dr. Narendra Viswanath
Principal
SIET, Tumakuru

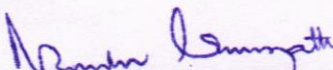
EXTERNAL VIVA

Name of examiners:

1. Aijaz Ahamed Sharief
2. Dr. Pradeep K.G.M

Signature with date:



23/7/2022

22/07/2022

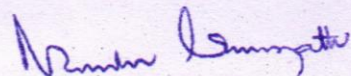


PRINCIPAL
SIET., TUMAKURU

ABSTRACT

The coin-based Battery charging system charges the Battery, when the coin is inserted. So, the coin acceptor recognizes valid coins and then signals the Arduino for further action. If a valid coin is found, it signals the Arduino and then Arduino starts the Battery charging mechanism providing a 5V supply through a power supply section to the Battery. The Arduino starts a reverse countdown timer to display the charging time for that Battery. Further the user adds another coin, the Arduino adds to the currently remaining time and once again decrements the countdown. This system can be used for smart Battery charging at public places. This coin-based Battery charging system will supply the enough amount of charge to the Battery and is available on demand in public places.


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SIET, Tumkur-6


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