

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELGAVI-590018 KARNATAKA



Mini Project Report (18ECMP68)

ON

"Automatic rain sensing wiper"

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by:

AKHILESH YADAV (USN: 1SV19EC002)

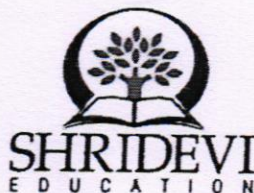
AKASH DODAMANI (USN: 1SV19EC001)

Under the Guidance of:

DR. U. MESHIA G. B. B.E. M.Tech. PHD

Associate Professor, Dept. of ECE, SIET

Tumkur



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)

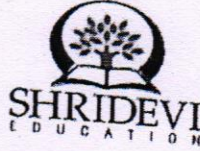
Sira Road, Tumkur-572106

2021-2022

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Dept of E&C
SIET, Tumkur-6

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Certificate

This is to Certified that the mini project work (18ECMP68) entitled "Automatic rain sensing wiper" has been Successfully carried out by **AKHILESH YADAV (USN: 1SV19EC002)** , a bonafide 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 Vishvesvaraya 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 mini project report has been approved as it satisfies the academic requirement with respect to the mini project work prescribed for the said Bachelor Of Engineering degree.

Dr. Umesha G. B.
Signature of the guide 27/7/22

Dr. Umesha G B
Associate professor
Dept. of ECE., SIET
Tumakuru

A. S.
Signature of the HOD 27/7/2022

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

Narendra Viswanath
Signature of the principal

Dr. Narendra Viswanath
Principal
SIET, Tumakuru

EXTERNAL VIVA

Name of examiners:

1. *Raghavendra D.*
2. *[Signature]*
28/07/2022


Signature with date:

[Signature] 28/7/2022

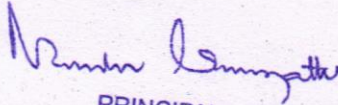
Narendra Viswanath
PRINCIPAL
SIET., TUMAKURU.

ABSTRACT

Working of a windshield wiper is a manual procedure which requires to be switched on to remove rainfall and debris from the screen. This does not only require driver's attention, but also, causes a certain level of discomfort to the driver and serves as a source of distraction which increases the risk of accidents. To offer comfort to the driver and essentially reduce the risk of accidents, an automatic rain sensing device has become a necessity. While such a device is available in the market, its high cost and other such limitations have made it less popular in the automobile industry. Aim of this work was to propose another such model in market that limits the cost while maintaining the efficacy


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