

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama” Belagavi – 590018



Mini Project Report on

“AUTOMATIC CAR WIPER USING RAIN SENSOR”

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

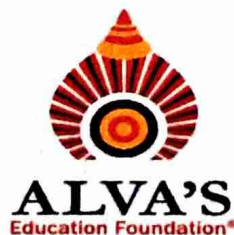
**BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING**

Submitted By

ABHISHEK P TATUSKAR	4AL22EC400
G CHETHANAKUMARAGOWDA	4AL22EC402
SHAMSHUDDIN	4AL22EC406
KEERTHAN S	4AL21EC039

**Under the Guidance of
Dr. Siddesh G K
Professor**

Department of E&C Engineering



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Accredited by NBA & NAAC with A+ Grade

MOODBIDRI – 574 225.

2023-2024

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(A Unit of Alva's Education Foundation®, Moodbidri)

"Shobhavana", Mijar, Moodbidri - 574 225, D.K.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the following students,

ABHISHEK P TATUSKAR

4AL22EC400

G CHETHANAKUMARAGOWDA

4AL22EC402

SHAMSHUDDIN

4AL22EC406

KEERTHAN S

4AL21EC039

has submitted Project synopsis on "AUTOMATIC CAR WIPER USING RAIN SENSOR" for VI Semester B.E. in Electronics & Communication Engineering during the academic year 2023-24. The mini project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Siddesh
Mini Project Guide

Dr. Siddesh G K

WV
Mini Project Coordinator

Dr. Ganesh V N

Dattathreya
HOD

Dr. Dattathreya

H. O. D.
Dept. Of Electronics & Communi
Alva's Institute of Engg. & Techn
Mijar, MOODBIDRI - 574 225

ABSTRACT

Driver safety is a priority in the automotive industry, with poor visibility during heavy rain often causing accidents. This article presents an automated wiper system using a rain sensor, which detects rain and adjusts wiper speed without manual intervention. The system, featuring an Arduino, rain sensor, and servomotor, measures humidity and activates the wipers when the threshold is exceeded. The Arduino processes sensor data and controls the servomotor to adjust wiper speed based on rainfall intensity. The rain sensor is mounted on the windshield, while all components are connected to the car's power supply for seamless operation.