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**A MICRO PROJECT REPORT ON
“Rain Sensing Automatic Car Wiper”**

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CERTIFICATE

This is to certify that the Micro-Project entitled "Rain Sensing Automatic Car Wiper" has been Successfully Completed by

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The bonafide students of Department of Basic Sciences, Alva's Institute of Engineering and Technology, affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI, during the academic year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Dr. Nandini P
Mini Project Guide

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ABSTRACT

The wipers on today's cars are manual devices that switch on and off manually. As a result, we recommend a rain-sensing automatic wiper system that activates when rain is detected and shuts off when the rain stops. The goal of our concept is to automate the wiper mechanism and eliminate the necessity for manual intervention. A rain sensor, a microprocessor, and a driver IC are used to run the wiper motor. A rain sensor in our system detects rain, which is subsequently processed by a microcontroller, which then takes the required action. When rain falls on the rain sensor, it completes its circuit with water and transmits a signal to the microcontroller. This data is now processed by the microcontroller, which then directs the motor IC to perform the desired action. To replicate a car wiper, the motor driver IC now drives a servomotor.