

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama” Belagavi – 590018



Mini Project Report on **“SMART FLOOR CLEANER”**

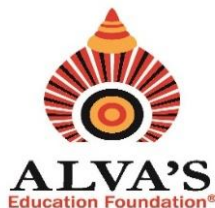
Submitted in partial fulfillment of the requirements for the award of degree

BACHELOR OF ENGINEERING IN ELECTRONICS & COMMUNICATION ENGINEERING

Submitted By

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Under the Guidance of
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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CERTIFICATE

This is to certify that the following students,

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has submitted Project synopsis on **"SMART FLOOR CLEANER"** 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.

Mini Project Guide

MR.Sudhakara.H.M

Mini Project Coordinator

Dr. Ganesh V N

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ABSTRACT

Smart Floor Cleaner is the future of cleaning your floors with an innovative solution that will change the way floor cleaning happens by providing an efficient, effective, and user-friendly experience for the cleaning of various floor types. At the core, there is the microcontroller of the Arduino UNO, interfaced with a motor driver, servo motors, and a water pump. These give the easiest movement around and cleaning of floors with high precision. The mobile app will allow users to remote control and monitor cleaning processes for scheduling cleanups, tracking real-time progress, or sending/receiving notifications. Therefore, this system can make up for the deficiencies of traditional methods of cleaning, which revolve mainly around time-consuming, labor - intensive, and ineffective practices. This project will create an upheaval in the cleaning industry by providing a reliable, effective, and user-oriented solution. Further, its modular design means that each part of the system can be serviced and updated easily in the future if required. It has many safety features, like obstacle detection and collision avoidance, to make cleaning safe without incidents. This project itself shows that new technologies can change old industries and make our lives much better. It's time for the Smart Floor Cleaner to take over, providing innovative technology and ease of user interface, hence able to adjust to any kind of household, business, or institution looking for new options in floor cleaning.

ACKNOWLEDGEMENT

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