

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI-

590 018



**A MICRO PROJECT REPORT ON
“AC Power Strength Controller System”**

Submitted By,

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2020-2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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CERTIFICATE

This is to certify that the Micro-Project entitled “AC Power Strength Controller System” 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. Ravi Kumar
Mini Project Guide

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ABSTRACT

The project's purpose is to manage AC power using the concept of thyristor firing angle control. The required proportion of power supply can be entered using a keypad. The data is delivered to an 8051 microcontroller, which initiates the firing angle and changes the load power. To match the power to the needed one, a TRIAC is used in series with the AC load. An LCD panel shows the percentage of power delivered by the user.