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VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI–590 018

A MICRO PROJECT REPORT ON

"Solar Panel With Sun Position Tracking"

Submitted By,

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Under the Guidance of

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DEPARTMENT OF BASIC SCIENCES
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2020–2021

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DEPARTMENT OF BASIC SCIENCES

CERTIFICATE

This is to certify that the Micro-Project entitled **"Solar Panel With Sun Position Tracking"** 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. Shashi Kumar K
Mini Project Guide

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ABSTRACT

The proposed project will track the sun to guarantee that the solar panel receives the most sunlight possible at all times of the day. The project comes in handy on misty days. A solar panel and a stepping motor are required to keep the system tracking the sun and moving according to the maximum amount of sunlight received. A stepper motor and a microprocessor from the 8051 family that generates stepped pulses on a regular basis rotate the panel. Electricity is supplied to the motor using an interface IC.