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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI-

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A MICRO PROJECT REPORT ON
“Solar Powered Battery Charging With Reverse Current Protection”

Submitted By,

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Under the Guidance of

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CERTIFICATE

This is to certify that the Micro-Project entitled **"Solar Powered Battery Charging With Reverse Current Protection"** 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.

Mr. Hemanth S
Mini Project Guide

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ABSTRACT

Solar energy is a highly efficient and cost-free source of green energy. However, for the best results, it must be used in conjunction with careful storage. We'll also require charge-control circuitry to safeguard the panel from reverse currents while also charging the battery efficiently. As a result, we show this approach by charging a rechargeable pencil cell battery with a tiny solar panel. We also utilise a charge control circuit to prevent reverse current flow and successfully charge the battery with the solar panel. As a result, we can provide effective solar battery charging with reverse current prevention.