

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-

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**A MICRO PROJECT REPORT ON
“Power Efficient Mini Inverter Project”**

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DEPARTMENT OF BASIC SCIENCES

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CERTIFICATE

This is to certify that the Micro-Project entitled **“Power Efficient Mini Inverter Project”** 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.

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ABSTRACT

Inverters are widely used in the domestic as well as industrial environments to serve as second line of source in case of power cut from the electricity utility grids. Inverter is the device that powers the electric appliances in the event of the power failure. Inverter as the name implies first converts AC to DC for charging the battery and then inverts DC to AC for powering the electric gadgets. So here is the power efficient inverter which is small in size and which can give output voltage of 220v-230 /150w. this power efficient mini inverter can be used to power up devices such as Wifi routers, mobile chargers, Lights etc.