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**A MICRO PROJECT REPORT ON
“Digital stopwatch”**

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CERTIFICATE

This is to certify that the Micro-Project entitled **"Digital stopwatch"** 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

Stopwatches are used as time keeping device in many fields, usually in sports. Stopwatch is of two types analog and digital, but mostly digital stopwatch are used owing to its accuracy and ease of use. Here we have tried to realize a digital stopwatch of reasonable accuracy and reliability. This particular stopwatch can count up to 9 minutes and 59.9 seconds, and is accurate up to one tenth of a second. Its circuit is very simple and easy to appreciate. The heart of the circuit is a stable mv followed by counter and decoder stages. The circuit operates on 5 volt supply. It uses a 7 segment led display of common anode type to show time.