

VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-

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**A MICRO PROJECT REPORT ON
“CONVERSION OF DIGITAL ASPECTS TO ANALOG”**

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CERTIFICATE

This is to certify that the Micro-Project entitled “CONVERSION OF DIGITAL ASPECTS TO ANALOG” 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.

Ms. Shilpa

Mini Project Guide

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ABSTRACT

A tunable analog-to-digital converter that produces M-bit samples for use with an operating circuit. To instruct the analog-to-digital converter to turn on, the operating circuit generates a first enable signal. In addition, in response to a condition, a sensor generates an analog signal. When the first enable signal is received, the tunable analog-to-digital converter includes a primary analog-to-digital converter that receives the analogue signal and converts it to a primary digital signal. A comparator and a secondary analog-to-digital converter are also included in the tunable analog-to-digital converter. The comparator compares the primary digital signal's value to a predetermined value and generates a second enable signal based on the primary digital signal's value and the predetermined value. A secondary analog-to-digital converter is used.