

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI-**

**590 018**



**A MICRO PROJECT REPORT ON  
“Barcode decoder based on a microcontroller”**

**Submitted By,**

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|----------------------|-------------------|
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**Under the Guidance of**

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**CERTIFICATE**

This is to certify that the Micro-Project entitled **"Barcode decoder based on a microcontroller"** 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. Prameela Kolake**  
Mini Project Guide

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## **ABSTRACT**

Barcode decoder based on a microcontroller Code 39 is decoded by the microcontroller-based Barcode Decoder. The Code 39 barcode symbology was the first to encode alphanumeric data strings. As a result, numerous industrial groups have adopted this technology to meet their labelling needs. It is widely accepted as the industry standard for labelling needs. It can be found in a wide range of applications. The industrial Digital slot Reader from Hewlett-Packard is used here.