

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**A PROJECT REPORT ON**

**“ ASSISTIVE CLOTHING PATTERN RECOGNITION FOR  
VISUALLY IMPAIRED PEOPLE”**

Submitted in partial fulfillment for the award of Degree of,

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE & ENGINEERING**

**By**

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA, 2020 – 2021**

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
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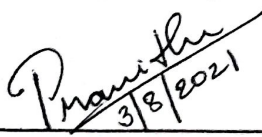


DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
CERTIFICATE

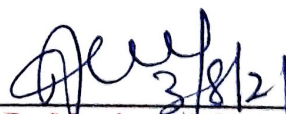
This is to certify that the project entitled "ASSISTIVE CLOTHING PATTERN RECOGNITION FOR VISUALLY IMPAIRED PEOPLE" has been successfully completed by

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the bonafied students of DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2020-2021. It is Certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

  
3/8/2021

Ms. Pranitha  
Project Guide

  
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Signature with Date

1.

2.

## **ABSTRACT**

Picking garments with confused examples and hues is a testing assignment for outwardly disabled individuals. Programmed apparel design acknowledgment is additionally a yearning research issue because of pivot, scaling, enlightenment, and particularly extensive intraclass design varieties. This approach is to plan a model that will create an ongoing item advancement for outwardly disabled individuals. Such a system of recognizing clothing patterns automatically having different colors makes their life better and improve their life quality. The designed prototype will cover most of the clothing pattern such as checkered, floral, solid, zig zag, striped, dotted. The system includes a computer and a camera on it. The output of this system is given by audio signal. The yield of this framework is given by sound flag. The attire designs are perceived to daze clients verbally. Such a framework would support to outwardly hindered individuals and more freedom in their life.