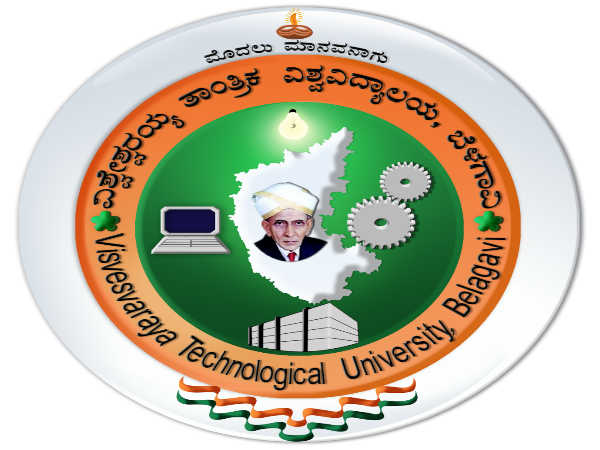
**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**BELAGAVI-590018**



**A PROJECT PHASE-Ι FIRST REPORT**

**ON**

**“OBJECT DETECTION AND IDENTIFICATION”**

Submitted in partial fulfilment of the requirements for the Academic year

Bachelor of Engineering

In

Electronics and Communication

SUBMITTED

BY

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**S J C INSTITUTE OF TECHNOLOGY**

CHICKABALLAPUR-562101

2019-20

**S J C INSTITUTE OF TECHNOLOGY**

**(Affliated to Visvesvaraya Technological University,Belagavi)**

Department of Electronics & Communication Engineering



**CERTIFICATE**

This is to certify that the Project Phase-I First Report entitled “**OBJECT DETECTION AND IDENTIFICATION”** carried out by **ANNAVAJJALA NIKETH SANDILYA(1SJ20EC010),** are the bonafied students of S J C Institute of Technology in partial fulfilment for the award of the degree of **Bachelor of Engineering** in **Electronics & communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year **2023-2024.** It is certified that all corrections or suggestions indicated for internal assessment have been incorporated and deposited to department library. The Project Phase-I First Report has been approved as satisfied academic requirements in respect of Project Phase-I First Report prescribed for Bachelor of Engineering.

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By seeking the blessings, we submit our humble pranams to holiness of **Sri Sri Sri Dr Nirmalandanatha Mahasamiji.**

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Furthermore we would also like to acknowledge with much appreciation the crucial role of the staff of **SHREEHARI H S**, Project Guide for the invaluable support and guidance at the time of work.

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**I**

**ABSTRACT**

As a software enthusiast and a hobbyist exploring the silver river is a thrill ride. A great start to this limitless exploration would be to understand software. Most of this observation happens with images takes by with the help of camaras. Image processing is a key domain in engineering because any information which can be detected by images can be retrieved and observed.

My project is to create a Machine Learning model to identify the object with a hight altitudes. In this project, we are using a balloon or any type of flying machines like drone or rocket. And retrieving that machine, we are using that data or video. Now with machine learning model.

Project is coordinated with two systems one is flying machine and image processing which is also created as a part of project. Which is the continuous process of my mini-project. In this project we are including hardware and software in deep in order to create a system which can help in different flying systems

**II**

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**ACRONYMS**

**ESP 32:** Espressif Systems (32-Bits)