**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

BELAGAVI-590014



PROJECT SYNOPSIS

**OBJECT DETECTION AND IDENTIFICATION**

*Submitted in the partial fulfilment of the Requirement for the Award of*

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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.

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* The objective of doing this project is to create perfect object detector for real-time applications and to explore the potential benefits of using object detector in various industries.
* By developing a system that can detect objects and analyse data in real-time applications.
* We aim to demonstrate how object detector can be used to improve decision-making and provide valuable insights. The project will focus on a specific application and will involve developing a prototype system that can be tested and evaluated.
* The ultimate goal of the project is to demonstrate the potential of using object detector for real time applications and inspire further research and development in this area.

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