**BANGALORE INSTITUTE OF TECHNOLOGY**

K.R. Road, V.V.Puram, Bengaluru-560 004

****

**Department of Computer Science & Engineering**

**Project Work Synopsis**

**VII­­­ – Sem 2018-2019**

**PROJECT GROUP**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **USN** | **NAME** | **Section** | **SIGNATURE** |
| **1** | **1BI15CS105** | **NISHAL C REDDY** | **B** |  |
| **2** | **1BI15CS109** | **P SHREYAS HOLLA** | **B** |  |
| **3** | **1BI15CS118** | **PRATHEEK T** | **B** |  |
| **4** | **1BI15CS119** | **PRATHIKSHA C M** | **B** |  |

**PROJECT DETAILS:**

|  |  |
| --- | --- |
| **Title:** | **OBJECT DETECTION AND TRANSLATION** |
| **Domain:** | **MACHINE LEARNING** |
| **Location:** | **BENGALURU** |

**For office use only:**

|  |  |
| --- | --- |
| **Group ID:** |  |
| **Guide:** |  |
| **Status:** | **Accepted/To be modified/Rejected** |

**Signature of the Project Co-ordinator**

**Object Detection And Translation**

Problem Statement

To develop an Android Application for detecting multiple Objects.

Input: (..)

Output: Listing all the Objects in an Image.

Objective

Architecture

Android App

(Manifest File,

Used for Initialling the App)

Viewer

Data Sets

Tensor Flow

Input

Description of the project Modules

* TensorFlow Object Detection API.
* R-FCN, YOLO, etc
* MSCOCO Datasets

Hardware Requirements

Software Requirements

* Android Studio

Application

* Object Detection can be used for People Counting.
* Identifying the products.
* Used in Industries to classify the product as a defect or correct.

References

1. Lars Hulstaert, ”Going Deep into Object Detection”, Apr 23rd [Online].

Available: <https://towardsdatascience.com/going-deep-into-object-detection-bed442d92b34>

1. Arthur Ouaknine, ”Review of Deep Learning Algorithm for Object Detection”, Feb 5th. Available: <https://medium.com/comet-app/review-of-deep-learning-algorithms-for-object-detection-c1f3d437b852>