

# MINI PROJECT

## Object Recognition in Video

**Scrum Master :** Anjali Ramesh  
**Team Leader :** Anila Shaji  
**Group Members :** Anu Varghese  
Rini Varghese  
Rubina Brijith Antony  
Rukhsana J N

26-October-2017

## **NAME OF TASK 3**

Feature based object detection in real-time video

- Assign Date : 03-October-2017

## **OBJECTIVES**

- Which image features should be used?
- To learn more about detecting object from a realtime video.
- Advantages of Object Detection from a realtime video.

## ALGORITHM

Algorithm : Feature based object detection in real-time video.

Input : Video file.

Output :Detected objects with labels.

Method :

Step 1 : Start

Step 2 : Capture a realtime video using webcam.

Step 3 : Divide each image in the video into frames.

Step 4 : Generate a rectangle consisting of labels on the image frame.

Step 5 : Detected objects will be shown along with the labels on the video.

Step 6 : stop

## MEETINGS

### 19-October-2017

Anjali Ramesh : Scrum meeting held for 12 minutes on the new task and created the report.

Anila Shaji, Rubina Brijith Antony, Anjali Ramesh : Searched for similar type of task for reference.

Rukhsana , Rini Varghese, Anu Varghese : Tried to learn the code.

### 20-October-2017:

Anjali Ramesh : Scrum meeting held for 10 minutes.

Anila Shaji, Rubina Brijith Antony ,Rukhsana , Anjali , Rini Varghese, Anu Varghese : discussed about ORB and keypoint detector.

### 23 October 2017:

Anjali Ramesh : Scrum meeting held for 14 minutes on the task.

Anu Varghese, Rukhsana ,Rini Varghese : Searched for more details regarding keypoint detection.

Anila , Rubina , Anjali Ramesh: Tried to edit the code to detect objects correctly.

- ORB detection was success.

### 26-October-2017 :

Anjali Ramesh : Scrum meeting held for 15 minutes on the task.

Anila Shaji, Rubina Brijith Antony : Tried to correct errors and run the code.

Rukhsana ,Rini Varghese, : Created Git repository.

Anjali Ramesh , Anu Varghese : Started to make project presentation in beamer and report.

- **Percentage of task 3 completed : 82%**