# Check if System Can Track Ball Accurately

# Summary

## **Location & Date**

TBD

## **Description & Aim**

Camera will continuously monitor the table as the practices goes on. We need to see if the image processing module of our product works.

## **Participants**

TBD

# Preconditions & Environment Requirements

* RasberryPi
* An image sensor (a webcam, piCamera etc.)
* A table tennis set-up

# Scenario

|  |  |  |  |
| --- | --- | --- | --- |
| **Step** | **Data** | **Expected Result** | **Actual Result** |
| Connect power supply to RasberryPi | - | - | - |
| Connect image sensor to the RasberryPi | - | - | - |
| Execute the ball tracking software | - | Program runs successfully | TBD |
| Place the balls in predestined locations where we know the x and y locations (ground truth). | x and y coordinates of the pre-decided locations (in cm) | TBD | TBD |
| See if the algorithm responses | - | Program prints any (x,y) location to the console | TBD |
| Compare the generated results and ground truth. | x and y coordinates of the pre-decided locations (in cm) | exact (x±1,y±1) locations of the balls | TBD |