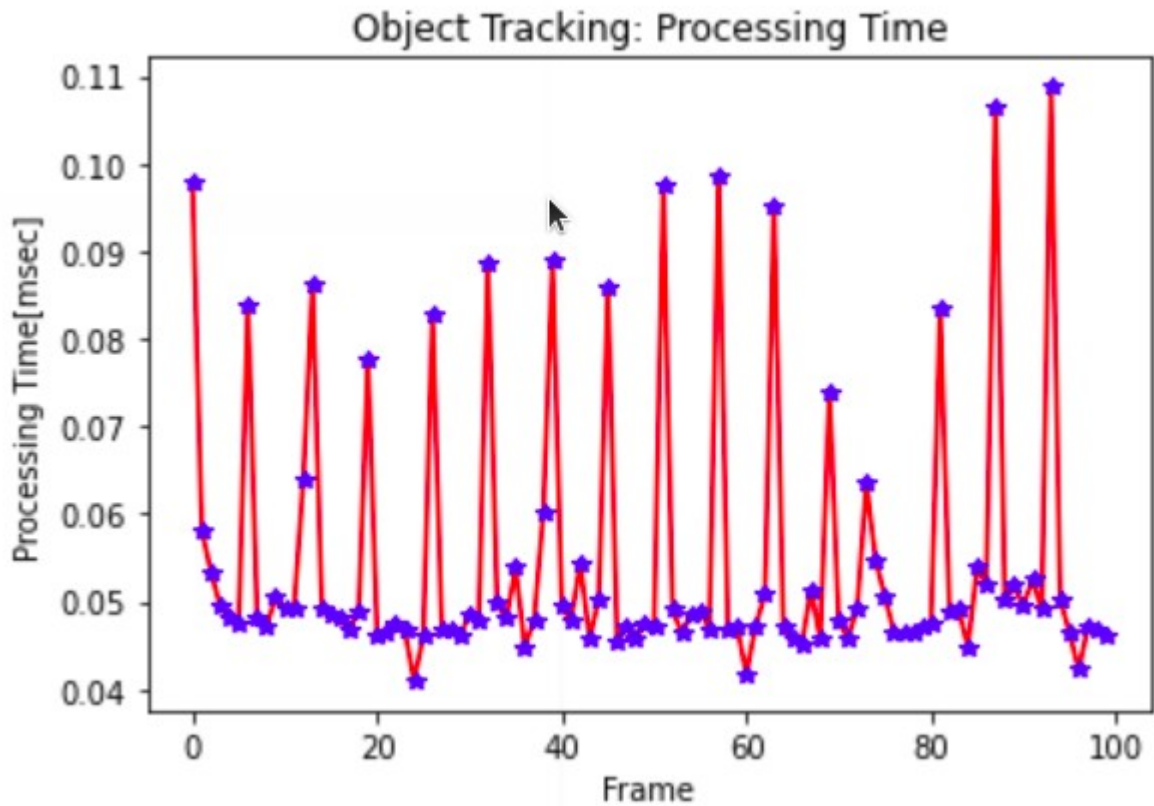
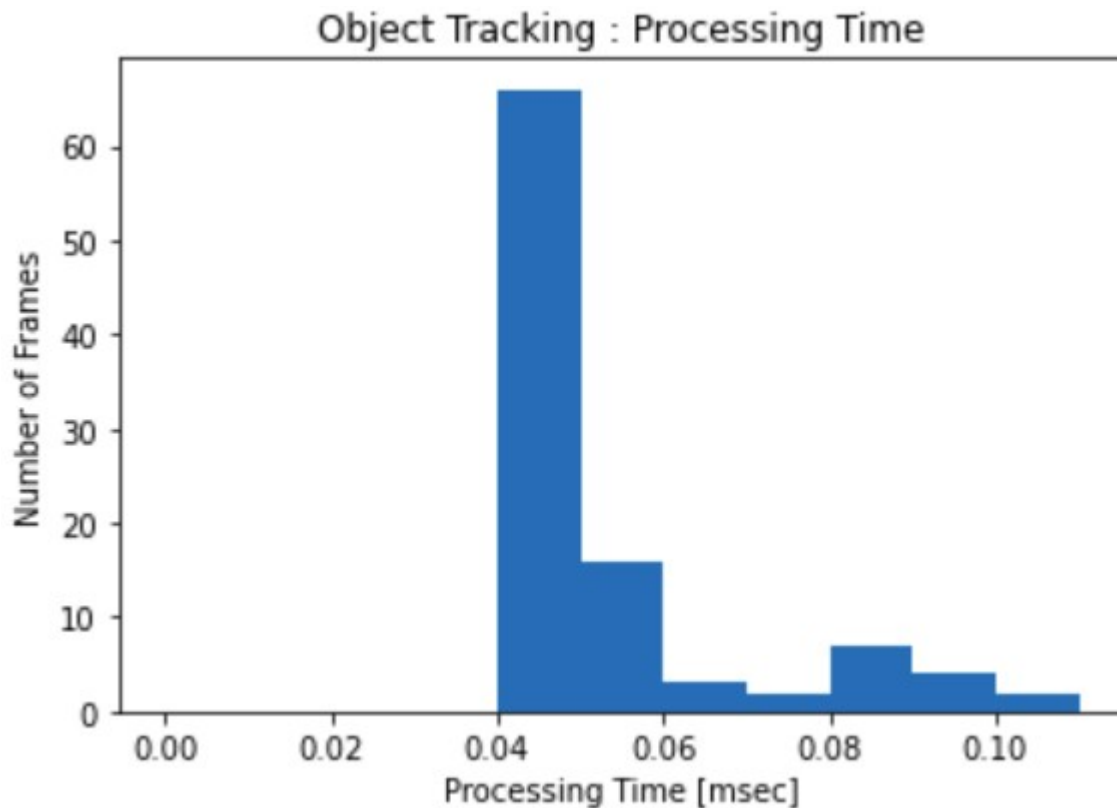


Home Work – 3

- 1.) The green light tracking can be viewed [here](#).
- 2.) Loop duration recording can be viewed [here](#).
- 3.) The plots obtained with the data recorded are as follows:





Limitations of Raspberry Pi:

- 1) The raspberry pi has very little processing power. Because of which it is really difficult for us to debug any infinite loop statements.
- 2.) If you see the above looping time plot we can infer that based on the angle of phone the accuracy of the pi camera is varying.
- 3.)Also the Pi camera results are varied based on the lighting conditions during the live camera feed. The contour detection is difficult if there is too much light because of glare formation.
- 4.) If the object is moved too quickly due to low processing power in the Pi module, contours will not be detected properly.