**HUMAN SUSPICIOUS ACTIVITY DETECTION USING MACHINE LEARNING**

**ABSTRACT**

With the increasing in the number of anti-social activates that have been taking place, security has been given utmost importance lately. Many Organizations have installed CCTVs for constant Monitoring of people and their interactions. For a developed Country with a population of 64 million, every person is captured by a camera 30 times a day. A lot of video data generated and stored for a certain time duration. A 704x576 resolution image recorded at 25fps will generate roughly 20GB per day. Constant Monitoring of data by humans to judge if the events are abnormal is near impossible task as requires a workforce and their constant attention. This creates a need to automate the same. Also, there is need to show in which frame and which part of it contain the unusual activity which aid the faster judgment of the unusual activity being abnormal. This is done by converting video into frames and analyzing the persons and their activates from the processed frame. Machine learning and Deep Learning Algorithms and techniques support us in a wide accept to make Possible.

**Team No- 10 Internal Guide**

S.Pranathi Krishna (19WH1A12A1) Ms. N. Sandhya

R.Samhitha(19WH1A12A5) Assistant Professor

J.Saipriya(19WH1A12B3)

P.Jyothipriya(20WH5A1210)