**SOCIAL DISTANCE MONITORING SYSTEM FOR COVID 19 – MODULE WISE**

**MODULE 1**

* Real time capturing of videos from public places via web cam, CCTV, street cams etc.

**MODULE 2**

* Feeding output of module 1 to Open CV and applying HOG on it.
* The Numpy array obtained from HOG is given to SVM classifier to detect presence of humans in the frame

**MODULE 3**

* Calculating Euclidean distance ‘d’ between individuals to monitor the distance between them

**MODULE 4**

* If d is less than 2 feet, then give a notification/ alarm as warning signal and represent the corresponding person in Red frame on screen
* Else, represent the corresponding person in Green frame on screen