**Abstract**

Images containing faces are essential to intelligent vision-based human computer interaction, and research efforts in face processing include face recognition, face tracking, pose estimation, and expression recognition. The rapidly expanding research in face processing is based on the premise that information about a user’s identity, state, and intent can be extracted from images and that computers can then react accordingly, e.g., by knowing person’s identity, person may be authenticated to utilize a particular service or not. A first step of any face processing system is registering the locations in images where faces are present.

The Face Detection and Recognition system would help the government and the police to find or have an eye on any of the person they would like to; as well it can acts as a database for keeping records of culprits and get the information whenever needed in the future.

The Dataset is collected from IEEE papers and Kaggle website.

**Keywords:-**

*Training , Image recognition , Face recognition ,Video surveillance, Libraries , Data models , Feeds*

INSPEC:-

*Controlled Indexing biometrics (access control) , face recognition , learning (artificial intelligence) , pattern recognition , Python , video surveillance .*