**COLLEGE ELECTION SYSTEM**

**EXSISTING SYSTEM**

**Holistic Approaches:**

Holistic approaches treat the entire face image as a pattern to be classified where each image of h pixels tall and w pixels wide are represented by a slim vector of the length (h × w).

Thus, each image is treated as a point in a high-dimensional space R^D .

Dimension D is the product of h and w.

**Local Approaches:**

Local approaches attempt to extract salient features/regions of the face. These regions are then used as classifiers, and the result of each region's classification is used to classify the overall image. A simple majority then decides the overall classification over all the regions.

However, the primary downside cited for holistic approaches is that it lacks the knowledge of the spatial structure of a face. The local approaches addressed this drawback while the pixels within the same region will affect the classification much more.

**FLOW CHART:-**

TRUE

Compare the images

Valid Id number?

TRUE

Eligible to vote

FALSE

FALSE

Display the Voter details

Not possible to vote=Invalid

Face recognition By Eigen Face

Face recognition By Eigen face

Enter aadhar card id number

Detect the image using Haar-like features as a Test Image

Detect the image using Hear-like feature and stored Trained database