This is an example of how Face recognation system works

First, we take a training photo of Mohammed Salah as a refrence to be uploaded and stored on the system .

A picture containing hairpiece, person, hair, male

Description automatically generated

Next ,the HOG algoirthm takes 128 point of the face in both photos .

Then , the SVM chooses the extreme points or vectors that help in creating the hyperplane .

A person wearing a helmet

Description automatically generated with medium confidence

Finally, the system can compare the training photo with the test photo and recognize Mohammed salah’s face.

A picture containing text, person, person, male

Description automatically generated Here we used another test photo of Mohamed Salah but blurry or pixeled and the result came as true .

A picture containing text, person, person, sport

Description automatically generated

We put another photo with a group of people and the system recognized Mo Salah’s face sucssesfully .

A picture containing text, grass

Description automatically generated

Last, we added a photo of a person who looks like Mo salah and the result came as false.