**Final Year Project (FYP-1)**

**Execution Plan of Project:**

The execution plan of our project will contain following details:

1. **Work on Face Detection Model:**

Firstly, we will create the Face Detection model so that it will detect the faces through the camera. After that we will extract our region of interest (ROI) which will be our data from the whole picture.

1. **Maintain Dataset:**

Secondly, we will maint­ain our dataset means the images we have extracted from the video recording of camera. We will extract multiple images of a face, which is detected by the model. These images will be our dataset and it will be maintained in the database.

1. **Work on Face Recognition Model:**

After that, we will work on the Face Recognition model so that it will recognize the face through camera. After that we will recognize the face on basis of the dataset we have maintained. If a new face is detected, a system generated id will be allocated to that face and its dataset will be maintained in the database.

1. **Work on Location Monitoring:**

We will have cameras on different locations. If a person is at location A, the camera at location A, will recognize the face and his location will be stored. When he moves to location B, camera at location B will recognize the face and his location will automatically be updated. In addition, we will update the timestamp as the person is recognized in a new location.

1. **Location History Of Person:**

All the movement record of a person is maintained on daily basis, which locations the person has visited on a day.