**FACIAL RECOGNITION USING PYTHON**

**ABSTRACT**

Face Recognition is one of the revolution technology, which is based on various machine learning and deep learning algorithms, which is mostly used for bio metrics, but it is also used to detect criminals in traffic signals, identify the and track the lost persons, etc., This project is written in python, where a GUI appears with a button, which let us to open the face recognition program, that captures the video frames from the webcam of a laptop or a pc, and then analyses it, compares the faces inside it with the faces given in the data before, and if the faces matches, it displays the name of the face, which is also given before, else, it recognizes the face as an unknown face.