**ABSTRACT**

**TITLE**: Smile Guru

**DESCRIPTION :**

Python-based application that utilizes computer vision techniques to automatically capture a selfie when specific conditions are met. The specific conditions are face recognition, smile and hand gestures detection. The project aims to provide a hands-free and convenient way for users to take selfies manually without triggering the camera.

**TECHNOLOGY STACK:**

* OPEN CV : Most popular library to perform computer vision tasks. It has wide range of functionalities for image and video processing including object detection, image filtering and many more.
* MEDIA PIPE : It is an open-source framework developed by Google. It provides solutions such as hand tracking, pose estimation, face detection, and more.
* PROGRAMMING LANGUAGE: Python.