DOMAIN PROJECT REGISTRATION - PROJ 8116-JULY-DECEMBER 2023

Topic: Instant feedback system using Facial recognition

Team Description: Our team consists of three people with diverse skill sets that are dedicated to doing well. To make sure the project is successful, we collaborate well. We each have our own areas of strength, and we are committed to conquering any obstacles that may arise throughout the project. We work well together, share a shared objective, and are extremely crucial to the project's successful completion.

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Specialization: Artificial Intelligence and Machine Learning

Project Description:

The goal of this project is to assist various restaurants, malls, and other businesses by reading customers' facial expressions using CCTV cameras. This will allow businesses to fully improve their services to possible extents and provide customers with an even better experience in the future.

- We will create a system that scans video clips purportedly captured by a CCTV camera and extracts frames (2D pictures) from them.
- We can also install cameras in art galleries to capture the expressions of various viewers as they observe the art and count as to which art is getting more attention.
- The experience (i.e., whether it was favorable, negative, or neutral) will be determined by a computation based on the facial expressions captured in these situations.
- We can also install cameras in cars to sound an alarm if the driver falls asleep, especially in cabs.
- The Instant Feedback system can be used at Receptions to assess how well responsible employees respond to visitor inquiries.