

RESTAURANTS FEEDBACK SYSTEM BASED ON CUSTOMERS EMOTION

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Abstract

The main of our application development is know the felling of any human when interacting with the computer as it can understand facial expressions of human. By this system we can have more communication between the human and systems so that it can easily understand the behavior of the human in front of him, In Our Application we are using to find the human expressions by using both from live webcam and image upload this application can be used in every Taking the Feedback of the in any meeting we can know all the expressing of the human like neutral, sad, happy, anger that will help in know the felling of the people around the meetings or functions happing at important locations, this can help in surveillance camera also for better security , It is composed of an the application, a web server, and a pre-trained AI server. Both the food and the environment are supposed to be rated. Currently, three expressions (satisfied, neutral and disappointed) are provided by the scoring system can be used as automatic feedback to the food at the restaurants.

Keywords: - Feedback, Emotion models, ML,

1. INTRODUCTION

Now a day's people are expecting smart works that means which reduce the human effectiveness. So that to full fill that people showing the interest on machine learning languages. Of course many previous technologies or languages are there to full fill the same requirements. By using those languages it can take lengthy code and become a complexity for achieving high requirements like as face detection, driver drowsy detection, smart traffic controls etc. The growing up technology every wants willing to learn and developing on machine learning language projects as well as it can predicts heart disease, diabetes, cancer as positive or negative and forecasting reports like weather reports, like that many things we can do with help of machine learning language. We proposed a system with main aim is to know the behavior of users when they come to under live webcam this can be used in traffic surveillance cameras for better way to stop the traffic even we can use in VIP meetings for take stopping of any illegal actives at the meeting place. We implemented this concept using image detection in python based on different aspects like face

coordinates, emotion offsets, emotion prediction, emotion probability, based on all this we are finding emotion of the human like neutral, sad, happy, anger. Our Application will be used to find the human expressions by using both from live webcam and image upload this application can be used in every office and police team in any VIPs meeting we can know all the expressing of the human like neutral, sad, happy, anger that will help in know the felling of the people around the meetings or functions happing at important locations In this document we will cover the Section followed literature survey, system implementation, System design, testing of the application and results we got as per our development & conclusion of the project

2. RELATED WORK

In present system we do not have the beehive based interaction between the human and computer to find out how the human in front of him will example if use our live webcam in our present system we cannot find any of expressing in front of that came In our proposed system our aim is to know the behavior of users when they come to under live webcam this can be used in restaurants

feedback , We implemented this concept using image detection in python based on different aspects like face coordinates, emotion offsets, emotion prediction, emotion probability, based on all this we are finding emotion of the human like neutral, sad, happy, anger.

3. IMPLEMENTATION

- Webcam
- Live on webcam
- Expressions Finding
- Feed Back

Input Image

This module we will upload the input image that we want to find the Expressions

Face Detection

When our application starts we can run the webcam where the webcam will detects the face using some package in python Web Cam Detection & detect faces that will help our application to run forward

For classification we have used multiclass_svm_learn.exe and mul-ticlass_svm_classification.exe

- Step 1: Get features and make train file as per SVM format.
- Step 2: Train system using svm_learn.exe.
- Step 3: Get model file which is having kernel inside it.
- Step 4: Make test file using feature.
- Step 5: Use svm_classify.exe to generate prediction file.
- Step 6: Output of image in the form of expression.

4. EXPERIMENTAL RESULTS



Fig:-1 Home Screen



Fig:-2 Human Expression



Fig:-3 Restaurants Feed Back

5. CONCLUSION

In Our Application we are using to find the human expressions by using both from live webcam and image upload this application can be used in every office and restaurants food back we can know all the expressing of the human like neutral, sad, happy, anger that will help in know the felling of the people around the meetings or functions happing at important locations.

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