

# The System of Face Detection Media Player

Satish Reddy A

Department of computer science & IT, Jain university, Bangalore, India

## ABSTRACT

*Nowadays, many institutes are using the online platform to educate the students by uploading the videos in their particular application which allows to download and study. Here I this project we are building The System of Face Detection Media Player. It helps the users in the efficient manner to watch the streaming video without any interruption, when the user is not looking at the screen it stops the streaming video. The System of Face Detection Media Player detects the user face based on the user face detection it makes the decision to stop the streaming video to play or pause. If the user not looking at the screen it stops playing the streaming video after detecting the user face again it starts playing video from the current playing video. The System of Face Detection Media Player helps very good experience in day-to-day life.*

## 1. INTRODUCTION

The System of Face Detection Media Player increases the efficiency in watching video by making the user not to miss the any part of the video. This Media player stops playing the video when it fails to detect the users face and when it detects more than certain frequency of sound. It resumes playing video from the current streaming of the video here webcam pays key role to detect the user face. In this media player one window shows whether the user face is detected or not and other window contains the media player with the pause, play and select a media to stream. Two windows make the system efficient to work, allows the user to drag the playing window anywhere on the screen and user friendly.

## 2. MOTIVATION

The main motivation of this paper is to develop a advanced media player which helps to reduce the users work to make video forward and backward when the user miss some part of the video or audio. It maintains much accuracy in interface of the user. It should be very fast and accurate in detecting user face, playing and pause the media player.

## 3. LITERATURE REVIEW

[1] In this paper the author explains on the basis of literature survey and it provides the existing system. And we can understand the proposed system and they introduced will uses and features of hand gesture and face detection and that will be used to control the media player. It increasing and decreasing the sound of the video closing the media player. And containing some changes in the face detection module and we can train it to recognize set of faces and then media player will responses the particular faces only.

[2] In this paper it provides the help to user get the good experience of advance media player. And we are using hand gesture recognition and face detection for controlling the feature of media player and playing the video of pausing the user is not looking at the screen and it controlling all the functions and as volume up, volume down and playing the next and previous video.

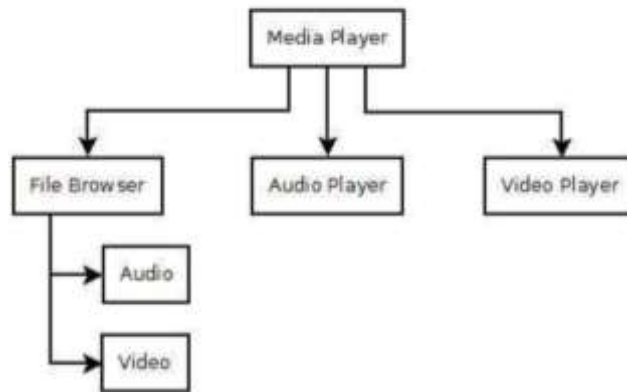
## 4. EXISTING SYSTEM

It uses eye recognition and detects the eye upto a particular distance not much it should not work properly when user uses the spectacles and not accurate in detecting noise.

## 5. PROPOSED SYSTEM

The System of Face Detection Media Player overcomes and solves the problems existed in the previous paper by detecting face instead of eye makes more efficient to work even from long range and we can move the media player window anywhere in the desktop.

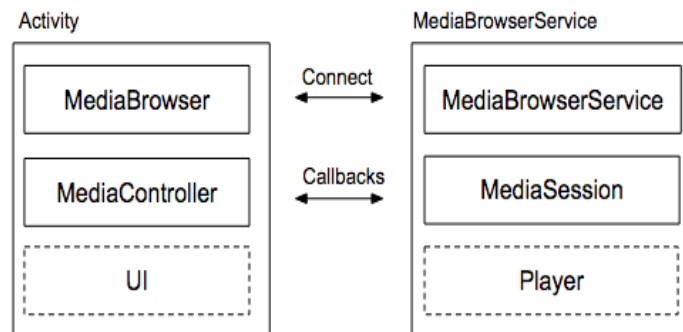
### System Chart



4.0. media player selection

## 6. IMPLEMENTATION

System Media Transport Controls helps the user interface allows to control the media player pause, play and select the media file to play. Holistic method and hybrid method are combined to detect the 3D face accurately. It detects the user face based on the curves of the sense organs present in the face.



4.0. The system of face detection media player block diagram

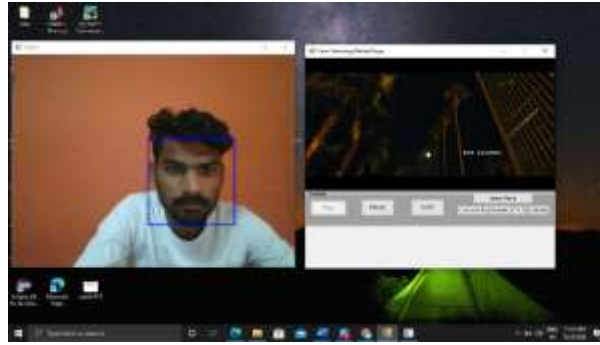
Using object detection framework of viola-jones other than face objects should avoid. It continuously monitors the users face and allows the user to leave without pausing the streaming video. Here two windows are created one is to detect the users face and another is used to play the media player both combine to work together by monitoring the user face to play the continuously. Here it allows the user to play media and detects the users face.



4.1. user interaction with media player

## 7. CONCLUSION

This paper proposes the system of face detection media player which is an automated media player work as user friendly, when the user is not looking at the video it pauses the video and resumes back when it detects user face again. It contains an option to choose any media player from the folder.



5.1. video streaming

Now it detects the any user face for future enhancement high level security should include by providing only to detect particular user who is watching video and to lock media player when the user face is not detected.

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