# HMR Institute of Technology and Management Plot No. 370, Hamidpur,



**Delhi-110036**

## Synopsis of Minor Project

**Date:** 27/AUG/2021

**Major Project Title:**

Emotion Recognition Using facial expression and speech

**Name of Guide(s):**

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| --- | --- | --- | --- |
| Programme:- | | Year/Semester:- | |
| S. No. | Enrolment No. | Name | Signature |
| 1 | 00296502718 | Abhinav K. Gupta |  |
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**Minor Project Summary:**

Emotions play a vital role in people's daily lives. Understanding feelings and knowing how to respond to the feelings of others is important to involvement effective communication with the community. Currently, emotional awareness is not only important in people’s daily lives, but also a hot topic in curriculum research, such as new strategies as the perception of emotions from the context of speech encourages us to feel what emotions are related to the content we are talking about.

The need and importance of emotional recognition has increased dramatically in many programs in recent years, such as video games, online communication, computer computing, and compatible computing. Emotional recognition can be made from Many sources include text, speech, hand, body language and facial expressions.

Currently, most sensory systems use only one of these sources. The people's feelings change every second and one method is used to process emotional recognition may not reflect emotions in the right way. This research is recommended the desire to understand and explore people's feelings in many similar ways speech and face. In this case, various emotional states have been used.

The proposed framework can detect emotions in speech, facial expressions, and both to them. There are three key components to the design of the program: facial expressions, speech recognition, and information integration. The fusion component uses effects from the perception of speech and facial expressions recognition. After that, a weighty method is used to combine the results, and a final emotional decision is given after the meeting.

By improving the emotion recognition accuracy, the proposed multi-sensory emotion recognition system can help to improve the naturalness of human computer interaction.

Objectives:

To identify the emotion of a human face. That is given a face of a human the system has to automatically identify the type of emotion of the face as happy, anger, disgust, fear, happiness, sadness, and surprise.

Research Paper topic:

Emotion Detection Through Facial Feature Recognition

Resource requirement:-

Python

Schedule of Minor Project work along with research paper:

### **September-** Emotion Identification through Face Recognition

1. **October-** Emotion Identification through Speech Recognition
2. **Mid November-** Testing phase

Signature of student Signature of Guide(s)

Signature of Proctor:

Name:

**Approval by Board of Faculty**

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| --- | --- | --- |
| Member | Signature | Remark (Approved/Not Approved) |
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