DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

# PROJECT PROPOSAL

## 1. Project Title: -

Facial Recognition To Detect Mood And Suggest Songs Accordingly

## 2. Project Scope: - (Max 500 words)

## The human face is an important part of an individual’s body and it particularly plays a significant role in knowing a person’s state of mind. This eliminates the dreary and tedious task of manually isolating or grouping songs into various records and helps in generating an appropriate playlist based on an individual’s emotional features.Project helps with suggesting songs of favourite artist based on human facial emotion.

## 3. Requirements: -

* Hardware Requirements

1. PC/Laptop
2. Processor i3 or above
3. 8GB ram or more

* Software Requirements

1. Jupyter Notebook or any other Python IDE
2. TensorFlow Library
3. Keras Library for Deep Learning

**STUDENTS DETAILS**

|  |  |  |
| --- | --- | --- |
| **Name** | **UID** | **Signature** |
| Hritvik Mathur | 20BCS6760 |  |
| Devi Prasad Samantaray | 20BCS6749 |  |
| Amisha Khanna | 20BCS6712 |  |

**APPROVAL AND AUTHORITY TO PROCEED**

We approve the project as described above, and authorize the team to proceed.

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| **Name** | **Title** | **Signature**  **(With Date)** |
| Shubhangi Mishra | Supervisior |  |