



## PROJECT PROPOSAL

### 1. Project Title:

**i Real – time Hand Gesture Recognition using Tensorflow & OpenCV**

### 2. Project Scope:

Gesture recognition is an active research field in Human-Computer Interaction technology. It has many applications in virtual environment control and sign language translation, robot control, or music creation. In this machine learning project on Hand Gesture Recognition, we are going to make a real-time Hand Gesture Recognizer using the MediaPipe framework and Tensorflow in OpenCV and Python.

### 3. Requirements:

- i** PC with Windows 10 or above
- i** Visual Studio Code/jupyter
- i** Python Version 3.7 or above

### Student Details:

| <i>Name</i>                         | <i>UID</i> | <i>Signature</i> |
|-------------------------------------|------------|------------------|
| KOPPULA PRAKASH                     | 21BCS8824  |                  |
| T BHAGEERATH                        | 20BCS6380  |                  |
| MARAM LEELA KRISHNA<br>SUBRAHMANYAM | 21BCS8803  |                  |
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### Approval and Authority to Proceed:

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

| <i>Name</i>    | <i>Title</i> | <i>Signature (with Date)</i> |
|----------------|--------------|------------------------------|
| Shwetha Thakur | Supervisor   |                              |
|                |              |                              |