**School of Computer Science and Engineering**

ARTIFICIAL INTELIGENCE PROJECT MINI REPORT

(Project Term Jan – May, 2023)

HAND GESTURE RECOGNITION

**Submitted by**

**NAME OF STUDENTS REGISTRATION NUMBER SECTION**

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**Submitted to : *Gurleen kaur Walia***

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***INTRODUCTION***

The project is based on – “Hand gesture detection and recognition”.

The project introduces an application using computer vision for hand gesture recognition. A camera records a live video stream, from which a snapshot is taken with the help of interface. The system is trained to recognize some specific type of hand gestures ( all the best, victory sign, etc.) and to test this system a test gesture is given to the system for recognition.

People have used various ways for hand gesture recognition in the past like gloves or markers for input in the system. We have no such constraint for using the system. The user can give hand gesture in the view of the camera naturally.

***Hardware & Software requirement’s :-***

***Hardware requirement’s :-***

1. 15MB free hard disk space
2. SVGA monitors/Laptops
3. Web cam

***Software requirement’s :-***

This software comes under application software, so the necessary software for this is:

1. Windows operating software
2. Python Idle

***ROLES AND RESPONSIBILITIES :-***

1. Rishu Raj : Computer vision and coding of the project
2. Sofiya khan : Image filtration logic for gesture detection
3. Yallakkagari Vinay Kumar : Handling the database Database .

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March

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6

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7

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Research

Analyses

Resouce gathering

Implementation

Project Testing