

Domain: Machine Learning

Batch No: D20



G. Narayanamma Institute of Technology & Science (For Women) (Autonomous)

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Shaikpet, Hyderabad-500104

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

GN-R-18 (2022 - 2023) II B. Tech II Sem Hobby Project

ON

“VOLUME CONTROL USING HAND GESTURES”

Abstract

Volume control is a Machine Learning technology. Volume control is always a manual work. Although there are touch screens for few systems there is still manual operation every time to change the volume of the system.

It's time to make things easier and more efficient for today's world. Hand Movement Volume Control blends into the Hand Movement Recognition Technology to recognize the hand gestures made by the user. This technology helps us to go hands free while working, gaming and operating the system.

This project is a program that allows the user to perform hand gesture for convenient and easier way to control the software. Specifically, system tracks the tip positions of the counters and fingers of each hand. The main motive of this type of system is to automate the things in our system in order to make the things become easier to control and Improves Human Computer Interface.

H/W Requirements:

Processor: INTEL CORE I7 Hardware and RAM Capacity: 1 TB, 8GB

S/W Requirements:

Language Used: Python, HTML, CSS Platform: Windows 11 Development Tool: Visual Studio Code

*Dept R&D: No

* If No: GNITS



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