



## 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

### Hand Tracking Game

#### Abstract

In the times today where human attention span is exponentially reducing on a daily basis and our world is becoming increasingly digital, humans barely pay any attention to learn or acknowledge the disabled. A world where kindness has to be promoted and a country where diversity is rampant, we need to make differently abled people feel more included. Many disabled people face day to day challenges such as communication differences, lack of inclusivity and other problems.

A game to help understand and teach sign language and its gestures to be kinder and people of all diversities can express themselves freely is the need of the hour. Hand Tracking Game allows us to learn basic sign language with fun scoring system. This is why our goal is to create a platform that increases awareness and encourages people by also conducting biannual awareness programs.

#### Hardware Requirement:

- Laptop or PC

#### Software Requirement

- Python
- Open CV
- Pygame
- Pip install

\*Dept R&D:-Yes/ No

\* If No : GNITS



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