**GUI BASED GAME**

**END TERM REPORT**

***by***

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## APPENDIX 2

**Student Declaration**

This is to declare that this report has been written by me/us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. I/We aver that if any part of the report is found to be copied, I/we are shall take full responsibility for it.

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Place:

Date: 28-10-2020

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APPENDIX 4

BONAFIDE CERTIFICATE

Certified that this project report “**GUI BASED GAME**” is the Bonafide work of “KARTIKEY JAISWAL, SAGAR SHARMA, VIPUL SAMANT” who carried out the project work under my supervision.

### <<Signature of the Supervisor>>(Due to Covid 19, signature is exempted )

<<Mr. Sagar Pandey >>

<<Academic Designation>>

<<ID of Supervisor>>

<<Department of Supervisor>>

### **What is gui based game?**

### A **GUI** is a larger, more broader term that's used to describe anything meant for the player (and not the character the player is controlling) to directly interact with. ... HUDs (Heads Up Displays) are **GUI** elements that display information in real time, while the user is playing the **game**

WHAT IS SYS? WHAT ARE THE USES OF SYS?

**Systems**-**based games** are everywhere but most commonly associated with the “immersive sim” genre. ... Players benefit from a more dynamic and varied **game** experience, and developers benefit through less rigid implementations of the core of their **games**.

The **sys module** provides information about constants, functions and methods of the **Python** interpreter. dir(system) gives a summary of the available constants, functions and methods. Another possibility is the help() function. Using help(**sys**) provides valuable detail information.

WHAT IS PYGAME ? WHAT ARE THE USES OF IT?

**Pygame** is a cross-platform set of **Python** modules designed for writing video games. It includes computer graphics and sound libraries designed to be used with the **Python** programming language.

**Pygame** is a cross-platform set of **Python** modules which is **used** to create video games. It consists of computer graphics and sound libraries designed to be **used** with the **Python** programming language.

WHAT IS RANDOM ? WHAT ARE THE USES OF IT?

Functions in the **random** module depend on a pseudo-**random** number generator function **random**(), which generates a **random** float number between 0.0 and 1.0. **random**. **random**(): Generates a **random** float number between 0.0 to 1.0. The function doesn't need any arguments.

**Random** numbers are useful for a variety of purposes, such as generating data encryption keys, simulating and modeling complex phenomena and for selecting **random** samples from larger data.

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**(**\***)** **DESCRIPTION OF GUI PROJECT**

A **GUI** allows the user of a computer to communicate with the computer by moving a pointer around on a screen and clicking a button. ... A program on the computer is constantly checking for the location of the pointer on the screen, any movement of the mouse, and any buttons pressed.

**HOW TO PLAY:**

There are 2 slider . And one ball. So it is a small screen game with least graphics.

And its coding has been done on “pygame”. As it is a GUI game. A **graphical user interface** (GUI) is a type of user interface through which users interact with electronic devices via visual indicator representations.

So it is a multiplayer game when one of the player strike the ball to 2nd player used to receive it so that he can defence the score that he will make it. Once the ball will not collide to board of any of the player he/she will loose the point and hence this the whole procedure of the game.

(\*) SUMMARY

In this project project we have a build a GUI based game which is based on libraries like pygame , sys, random. The logic behind the project is that, wherever the ball strikes the side boundary of the opposite gets point and the counter of 3, 2, 1 starts for the next round.

In this project we have made several classes and based different functions. Also we have made the use of inheritance.

So what are you waiting for go and enjoy the game.