VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-560014, Karnataka

<u>INTERNSHIPREPORTON</u>

"2D Game "

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
MINI PROJECT

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING

Submitted By

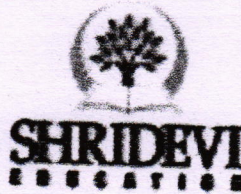## SIDHANT PANDIT   (1SV20CS046)

Under the guidance of

Mr. RENUKARADHAYA PC

Assistant Professor, Dept. of CSE.

PRINCIPAL
SIET. TUMKUR.

Department of Computer Science and Engineering

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Affiliated To Visvesvaraya Technological University)
Sira Road, Tumakuru _ 572106, Karnataka.
2022-2023

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that, Mini project report of entitled "2D Game" has been successfully carried out by SIDHANT PANDIT [1SV20CS046], in partial fulfilment for the Mini project report of **Bachelor of Engineering** in **Computer Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year **2022-23.** It is certified that all the corrections/suggestions indicated for internal assessments have been incorporated in the report. The Mini - Project report has been approved as it certifies the academic requirements in respect of Mini-Project work prescribed for the Bachelor of Engineering Degree.

Signature of Guide

Mr. RENUKARADHAYA PC

Assistant Professor, Dept. of CSE, SIET, Tumakuru.

PRINCIPAL
SIET. TUMKUR.

Signature of H.O.D

Dr. Basavesha D M.Tech., Phd.
Associate Professor & HOD Dept.OfCSE.

Name of the Examiners

Signature with date

1 ....

2. Renuvadheya. P. C

SIET, Tumakuru

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

I, **SIDHANT PANDIT[1SV20CS046]** , student of VI semester **B.E** in Computer Science & Engineering, at Shridevi Institute of Engineering & Technology, Tumakuru, hereby declare that, the Mini Project work entitled **"2D GAME** ", embodies the report of our Mini -Project work carried out under the guidance of **Mr.Renukaradhaya P.C, Assistant Professor, Department of CSE** , **SIET, Tumakuru** as partial fulfilment of requirements for the Internship Project report in **Bachelor of Engineering in Computer Science & Engineering of Visvesvaraya Technological University, Belagavi**, during the academic year **2022-23**. The Internship -Project has been approved as it satisfies the academic requirements in respect to the Internship-Project work.

Place: Tumakuru

Date: 05|07|23

Student Name & Signature

Sidhant pandit[1SV20CS046]

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PRINCIPAL
SIET. TUMKUR.

Abstract

In the project "**2D game**" the project is programmed using c/c++ . Oops concepts are explored and the project involves the Bat and Ball on which basis game is built. In this game there will be two players .

 PC will be the First player and USER will be the second player. This program contains Functions to drag the ball, draw the bat etc.

This project includes the multiple windows, menus and submenus using which color of the bat & ball, screen color, ball size will be changed. These all actions are assigned to keyboard and mouse.
User-interface is provided by means of both Keyboard and Mouse. By using arrow keys bat can be moved.

Mouse interaction is achieved by means of a menu which is operational only with the "right mouse button" through which bat,ball,screen color changing, speed settings are enabled.

PRINCIPAL
S... I. TUMKUR.