**SHREE GURU SANDIPANI INSTITUTE OF TECHNOLOGY**

**& SCINCE UJJAIN (MP)**

TITLE OF PROJECT

**“Super Pirate”**

A dissertation submitted in partial fulfillment

For the award of the degree of

### BACHELOR OF TECHONOLOGY IN

**COMPUTER SCIENCE AND ENGINEERING**

Under The Guidance of

**Porf. Jyoti Chouhan**

**Submitted By Submitted To**

**Devendra Lodhi Prof. Jyoti Chouhan**

**Shyam Shivhare**

**Shri Guru Sandipani Institute of Technology & Science** **Ujjain (M.P) 2024**

**CANDIDATE’S DECLARATION**

I hereby certify that the project entitled **“SUPER PIRATE”**  submitted by **DEVENDRA LODHI** 0722CS201011 & **SHYAM SHIVHARE** 0722CS201056 in partial fulfillment of the requirement for the award of degree of the B. Tech. (Computer Science & Engineering) submitted in Rajiv Gandhi Proudyogiki Vishwavidyalaya Technological University, at Shri Guru Sandipani Institute of Technology & Science Ujjain (M.P), 2024 to January to April, under the guidance of **Prof. Jyoti Chouhan** (Department of Computer Science & Engineering). The matter presented in this project has not formed the basis for the award of any other degree, diploma, fellowship or any other similar titles.

### Signature of the Student

### Place: Maksi

**Date:**

### 

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# **CERTIFICATE**

This is to certify that the project titled **“ SUPER PIRATE ”** is the bona fide work carried out by **DEVENDRA LODHI** 0722CS201011 & **SHYAM SHIVHARE** 0722CS201056 in partial fulfillment of the requirement for the award of degree of the B. Tech. (Computer Science & Engineering) submitted in Rajiv Gandhi Proudyogiki Vishwa vidyalaya Technological University, at Shri Guru Sandipani Institute of Technology & Science Ujjain (M.P) 2024 to January to April under the guidance of **Prof. Jyoti Chouhan** (Department of Computer Science & Engineering). The Major Project Viva-Voce Examination has been held on (DD/MM/YYYY)

**Approved By: Supervised By:**

**Prof. Sandeep Joshi prof. Jyoti Chouhan**

**Head of Department (CSE) Asst. Professor (CSE)**

**SGSITS Ujjain SGSITS Ujjain**

**Forwarded By:**

**Prof. Sandeep Joshi Prof. Chandresh Arekar Er. Ashutosh Deshwali**

**Dean Engineering & Technology Principal Director**

**SGSITS Ujjain SGSITS Ujjain SGSITS Ujjain**

### Shri Guru Sandipani Institute of Technology & Science Ujjain (M.P)

**ACKNOWLEDGEMENT**

I take the opportunity to express my cordial gratitude to **Prof. Jyoti Chouhan** Assistant Professor in the Department of Computer Science Engineering, Shri Guru Sandipani Institute of Technology & Science, Ujjain (M.P.) for the valuable guidance and inspiration throughout the dissertation work. I feel thankful for his innovative ideas, which led to successful completion of this work. She always points to critical insights during the discussion, guides me perplexing setbacks and helps me discover the fun of devising state of the art solutions. In addition, he gave me great freedom as a B.Tech student and created a lively and accommodating atmosphere. I do feel extremely grateful and respectful to him.

I would also like to thank honorable **Prof. Sandeep Joshi,** Dean Engineering and Technology, Shri Guru Sandipani Institute of Technology & Science, Ujjain (M.P.) for his continuous support in completion of my thesis.

I also extend my deepest gratitude to **Prof. Chandresh Arekar,** Principal, Shri Guru Sandipani Institute of Technology & Science, Ujjain (M.P.) for providing all the necessary facilities and true encouraging environment to bring out the best of my endeavors.

I also extend my deepest gratitude to **Mr. Ashutosh Deswali,** Director, Shri Guru Sandipani Institute of Technology & Science, Ujjain (M.P.) for providing all the necessary facilities and true encouraging environment to bring out the best of my endeavors.

I give special thanks to **Prof. Sandeep Joshi,** Associate Professor & Head,Department of Computer Science Engineering, Shri Guru Sandipani Institute of Technology & Science, Ujjain (M.P.) to always being willing to help find solutions to any problems I had with my work.

I would also like to thanks **Prof. Jyoti Chouhan,** Assistant professor, Department of Computer Science Engineering, Shri Guru Sandipani Institute of Technology & Science, Ujjain (M.P.) for providing additional guidance and insight into my research work.

I express my gratitude and thanks to all the staff members of Computer Science department for their sincere cooperation in furnishing relevant information to complete this dissertation well in time successfully.

Last but not the least I must express my cordial thank to my parent, family members and friends who gave me the moral support without which it was impossible to complete my project work. With this note I thank everyone for the support.

**Name:-**

**Devendra Lodhi (0722CS201011)**

**Shyam Shivhare(0722CS201056)**

**SHRI GURU SANDIPANI INSTITUTE OF TECHNOLOGY & SCIENCE UJJAIN**

#### **DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

**CERTIFICATE OF APPROVAL**

**2023-2024**

This is to certify that the dissertation entitled **“Super Pirate”** ***is***abonafiedwork carried out as project by **Devendra Lodhi & Shyam Shivhare** in partial fulfillment for the award of degree of Bachelor of Technology in Computer Science Engineering from the Computer Science Department, Shri Guru Sandipani Institute of Technology & Science***,* Ujjain**during the academic year 2021 -2024.

**Internal Examiner External Examiner**

**Date: Date:**

# **ABSTRACT**

A **platform game** (often simplified as **platformer** and sometimes called a **jump 'n' run game**) is a sub-genre of [action video games](https://en.wikipedia.org/wiki/Action_game) in which the core objective is to move the [player character](https://en.wikipedia.org/wiki/Player_character) between points in an environment. Platform games are characterized by levels that require [jumping](https://en.wikipedia.org/wiki/Jumping) and [climbing](https://en.wikipedia.org/wiki/Climbing) to traverse. Other [acrobatic](https://en.wikipedia.org/wiki/Acrobatics) maneuvers may factor into the gameplay, jumping off walls, being shot from [cannons](https://en.wikipedia.org/wiki/Cannon),. Games where jumping is automated completely, such as 3D.

A platform game requires the player to maneuver their character across platforms to reach a goal while confronting enemies and avoiding obstacles along the way. These games are either presented from the side view, using two-dimensional movement, or in 3D with the camera placed either behind the main character or in [isometric perspective](https://en.wikipedia.org/wiki/Isometric_video_game_graphics). Typical platforming gameplay tends to be very dynamic and challenges a player's reflexes, timing, and dexterity with controls.

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