

**SHREE GURU SANDIPANI INSTITUTE OF TECHNOLOGY  
& SCIENCE UJJAIN (MP)**

TITLE OF PROJECT

**“Super Pirate”**



A dissertation submitted in partial fulfillment  
For the award of the degree of

**BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE AND ENGINEERING**

Under The Guidance of  
**Prof. Jyoti Chouhan**

**Submitted By**  
**Devendra Lodhi**  
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**Submitted To**  
**Prof. Jyoti Chouhan**

**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.

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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 \_\_\_\_\_  
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**CERTIFICATE OF APPROVAL**

**2023-2024**

This is to certify that the dissertation entitled “**Super Pirate**” *is* a bonafied work 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.

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## ABSTRACT

A **platform game** (often simplified as **platformer** and sometimes called a **jump 'n' run game**) is a sub-genre of action video games in which the core objective is to move the player character between points in an environment. Platform games are characterized by levels that require jumping and climbing to traverse. Other acrobatic maneuvers may factor into the gameplay, jumping off walls, being shot from cannons,. 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. Typical platforming gameplay tends to be very dynamic and challenges a player's reflexes, timing, and dexterity with controls.

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