# Hand Cricket

Submitted in partial fulfillment of the requirements of the degree

**BACHELOR OF ENGINEERING IN** **COMPUTER ENGINEERING**

By

Pandey Samay - B/9 (2022016402279163)

Patil Adwait - B/11 (202216402279244)

Supervisor

**Prof. Keerti Kharatmol**

A close-up of a logo

Description automatically generated

**Department of Computer Engineering**

**K.C College of Engineering and Management Studies and Research**

**Mith Bunder Road, Near Hume Pipe, Kopri, Thane (East)**

**University of Mumbai**

**(AY 2023-24)**

**Literature Survey**

**2.1 Survey of Existing System**

Few hand cricket applications created by lone developers are available on the internet. One such application is “Hand Cricket” by shijinmathew012 on GitHub.

Source: - [shijinmathew012/HandCricket: Android app of handcricket game (github.com)](https://github.com/shijinmathew012/HandCricket)

**A hand with a thumb up

Description automatically generated A screenshot of a phone

Description automatically generated A screenshot of a computer

Description automatically generated**

This Hand cricket app that already existed on GitHub has some better and some worse features. In context to remembering highscore the app already existing is better as it has a leaderboard screen showing the user their past scores. In the context of animation the app’s animation is quite worse than our owns as it only shows images rather than live animation making it less lively.

**3.9 Experiment & Results**

A stadium with a crowd of people

Description automatically generated**1]Loading Activity**

This activity is the first to be displayed when the application is launched.

It only consists of a loading bar at the bottom.

A screenshot of a sports stadium

Description automatically generated**2]Toss Activity**

This activity is the next to be displayed.

It allows the user to select their input for the toss.

If user wins, they are allowed to choose between batting and bowling. Else, computer chooses.

**A screenshot of a video game

Description automatically generatedA stadium with green roofs and people in the stands

Description automatically generated3]Main Activity**

This activity is the heart of the application.

It allows the user to select their input for the main algorithm.

A screen shot of a stadium

Description automatically generatedA screenshot of a video game

Description automatically generated**4]Pause Menu**

The pause menu displays the option to start completely new game.

The credits menu displays the developers information.

A cricket ball and bats in a stadium

Description automatically generatedA person standing next to a person in a sports field

Description automatically generatedA person standing next to a robot

Description automatically generated**5]Animations**

Animations have been included in the application for a more immersive experience.

The animations are made using Unity.