**Project Synopsis**

**Project Title:**

Arcadia

**Prologue:**

To create a user profile-based application with multiple mini games which stores user data and game data in an SQL database

**Team members:**

Aldrin Dsouza (11 Sci G)

Dhanvin Sajith (11 Sci G)

**Team details:**

We planned on making 6 games, 3 made by Aldrin and 3 made by Dhanvin. But we also plan to expand that list further on and add more classic games to Arcadia. Furthermore, the in game music was handled by Aldrin along with the creation of the project name. Dhanvin was in charge of making the title screen as well as the game icon

**Reason for choosing the topic:**

We wanted to create a simplistic application with multiple minigames to ease stress among students since the upcoming board exams along with any competitive exam preparations can fatigue students

**Objective:**

Provides user login that retrieves user data

Has a database with game data which stores the leaderboard

Gives an arcade-like experience with multiple retro minigames

Enables customizable user profile

Has in-game character selection

**Hardware required:**

Laptop - mid-range CPU or above

OS – Windows 10 or above

**Software required:**

Python

Pygame

SQL

**Limitations:**

Cannot be published since it’s built in pygame

Uses copyrighted fonts and ideas

**Bibliography:**

Google

Class 12 python NCERT textbook

YouTube