SPL1 Project Proposal Form, 2022
Institute of Information Technology (IIT)
University of Dhaka

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Project Description:

LearnPhysics

LearnPhysics is a physics based learning game. It's goal is to visualize the basic physics formulas. The target users of this game are HSC level students. As the formulas are quite tough to understand , LearnPhysics can be very helpful for this. It will visualize projectile motion according to given some specific parameter and solve parabolic equation and visualize how parabolic equation work.

This game will have simulation where an object will move according to the formula. Also an option for visualization of the user's for the given problem.
User will have to input the problem with specific parameters. The problem will be solved in a file so that the exam level can be held based on those problems.

The users can have a knowledge about her improvement, either he/she has understood the formula or not based on the exams. If he/she gives wrong answer, correct answer will be shown. By this the users can learn physics while gaming and visualizing.

Languages or Tools to be used:

C++, CodeBlocks, Visual Studio Code, Git, GitHub.

Supervisor's Name: Dr. Emon Kumar Dey

Signature of the supervisor:

Date: 04-01-2023