

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

Student's Name:	Md Nasir Uddin		
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Project Description: <p style="text-align: center;"><u>LearnPhysics</u></p> <p>LearnPhysics is a physics-based learning project. Its goal is to visualize the fundamental physics formulas. Students in the SSC and HSC levels are the intended users of this application. LearnPhysics can be very helpful for them because the formulae are quite difficult to understand. To make it easy and fun It will visualize those formulas. The application generally uses these steps.</p> <p>Step 1: The user will enter the formula's required parameters.</p> <p>Step 2: This application analyzes the data.</p> <p>Step 3: It solves the required problem.</p> <p>Step 3: It shows a visualization of the problem using data.</p> <p>The following tasks will be performed by this application.</p> <ul style="list-style-type: none">➤ Projectile Motion<ul style="list-style-type: none">● Height of projection● Horizontal Distance● Velocity at any time● Time to travel➤ Vector analysis<ul style="list-style-type: none">● Boat crossing river vector problem➤ Mechanics<ul style="list-style-type: none">● Conservation of momentum			
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			



