Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Spring, Year: 2022), B.Sc. in CSE (Day)

LAB PROJECT PROPOSAL
Course Title: Engineering Drawing Lab
Course Code: CSE-208   Section: 191 DB

Student Details

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[For Teachers use only: Don't Write Anything inside this box]

Project Proposal Status
Marks: …………………………………   **Signature: ....**
Comments: ....   **Date: ....**

1. **TITLE OF THE PROJECT PROPOSAL**

Padma Multipurpose Bridge in 3D

2. **PROBLEM DOMAIN & MOTIVATIONS**

We choose this project for many reasons. The project of Padma Bridge design is more complex. So if we do this project then the final project is look like so good. Secondly, if we do this project then we will able to do many types drawing also we will able to do many types of bridge. Also it has many practical implications that's why we choose this project. The practical implications are:
- ✓ Our project can help a beginner to learn the basic of AutoCad 2D & 3D drawing.
- ✓ Also our project can help a beginner to expert in drawing using AutoCad. He/ She will be able to do another types of bridge & also able to make different types of drawing.

3. **OBJECTIVES/AIMS**

- To enrich our knowledge in AutoCad.
- To enrich strong knowledge in 2D, 3D Modeling.
- To develop the idea of Padma Multipurpose Bridge.
- To gather knowledge of any type of Bridge.
- To enrich our knowledge how a bridge can reduce traffic, save times, estimate cost.

4. **TOOLS & TECHNOLOGIES**

Our full project will make in AutoCad. So here we only used AutoCad.
And we will make our project in 3D. 1st we will split the project. Then we will draw the separte spans, pillars, sleeper, rail, traffic light. Then we will add these by moving, copying, exclude, presspull, joint etc. One thing that is noticeable for our project is we will make our project 1st in 2D, then 3D modeling.

5. **CONCLUSION**
Our project is Padma Multipurpose Bridge in 3D modeling using Autocad. We try to make our project as like Padma Bridge. The Padma bridge is with 150.12 m (492.5 ft) long 41 spans, 6.150 km (3.821 mi) total length and 22.5 m (74 ft) width. The highest depth of pile of this bridge is 122 metre. The bridge will two-tiered steel truss bridge, with a two-way four-lane road at the top and a single-track railway at the bottom. We will make our project by the tools of line, polygon, presspull, exclude, tan-tan radius etc.
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