

# CS 308 Computer Graphics Programming

## Individual Project Proposal

Department of Statistics and Computer Science  
Faculty of Science  
University of Peradeniya

Name	R. D. Viharagedara
Registration No	S/16/494
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Degree	BSc Honours in Computer Science

### 1. Project title:

3D Model of St. Sylvester's College Building

### 2. Brief overview of project:

This building is build based on the architecture of the catholic church. It consists of two floors and a courtyard. The following figures will give the basic idea of the building and the courtyard.



**Figure 1:** Front view of the building.



**Figure 2:** Side view of the building.



**Figure 3:** The courtyard and the two floors.

### **3. Project details:**

The objectives of the project:

- Build the 3D model of the building
- Build the 3D model of the courtyard
- Build the 3D model of the pond in the courtyard
- Animate doors and windows opening and closing
- Animate the shadows of the building according to the sunlight

**Project Significance:**

- Visualize the detailed 3D model of St. Sylvester's College building

**Project Scope:**

- The building and the courtyard will be modelled with their original details as possible.
- The animation of doors and windows opening and closing will be keyboard functions.
- Camera will be able to freely moved around.

**Limitations:**

- Some of the complex details of the building will not be modelled
- There are two statues in the courtyard, they will not be modelled
- The water movement in the pond will not be modelled