

## **Assignment 1**

Subject : Arch 753 001  
Building Performance Simulation  
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**Problem 1 :** Direct sunlight on the bed in the morning creates disturbance, whereas the study table does not get enough natural light.

**Possible solutions :**

Blinds

Horizontal Louvres to shade the window in summers

Changing the dimension of window to maybe create a clerestory

**Problem 2 :** The room becomes extremely hot in summers.

**Possible solutions :**

Same as above

Adding insulation to walls and windows

Reducing the size of window

**Problem 3 :** There is constant noise from the trains running on the railway tracks below the building towards the adjacent Railway Station.

**Possible solutions :**

Sound proofing the room