American International University-Bangladesh



COMPUTER GRAPHICS

Spring Semester 2023-24

**Project Instruction  
Evolution of Dhaka City (2000-2030)**

**Course Instructor**

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**Section: D**

Instruction:  
Add a snowfall effect to the picture to give it a distinct environmental element.  
Sky Transitions: Give scenes set in the day and night different sky textures.   
  
Day: A clear blue sky.   
Night: A starry, dark sky.   
  
  
Sun: Only visible in the daytime.   
Size and placement ought to resemble natural sunlight.   
The moon is only visible at night.   
A genuine moonlight appearance should be achieved by positioning and sizing.   
  
  
Two Cars: Always traveling on designated routes.   
Headlights: During the nighttime scene, they turn on automatically.   
Switch off the scene during the day.   
Bullet Train: Continuous, smooth travel on its track.   
  
  
Lamp Posts: When the scenario is at night, the lights ought to come on automatically.   
Turn off the lights when the scene is during the day.

UFO Interaction:

Movement Control:

Press 'A': UFO moves left.

Press 'D': UFO moves right.

Ensure smooth movement and proper boundary handling.

Scene Transitions

Day to Night:

Gradual change in sky color.

Sun sets, moon rises.

Headlights of cars and lamp posts turn on.

Night to Day:

Gradual change in sky color.

Moon sets, sun rises.

Headlights of cars and lamp posts turn off.