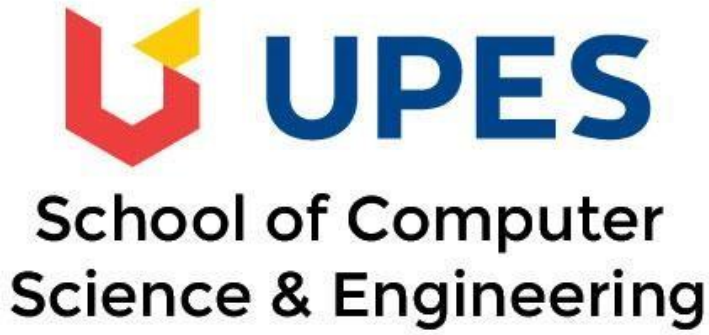


LAB – FILE

Graphics and Animation Tool

CSGG4101

Name – Sandeep Kumar
Roll No – 66
Sap id – 500062372
Course – B. Tech. CS-OSOS
Batch – 2
Semester – 7

Submitted To – Dr. Durgansh Sharma

EXPERIMENT – 10

Objective :- Design of 3D Building using Blender.

This experiment is to design a 3D - Building on the Blender Platform.

Steps to be followed on designing 3D - Building:

Step-1: Open Blender

Step-2: Create a blank file and extrude the default cube to look like a size of a building.

Step-3: Make horizontal and vertical loop cuts to the cube.

Step-4: Extrude the inner regions of the cube to make balcony like structures.

Step-5: Duplicate the cube to make the floors for the building.

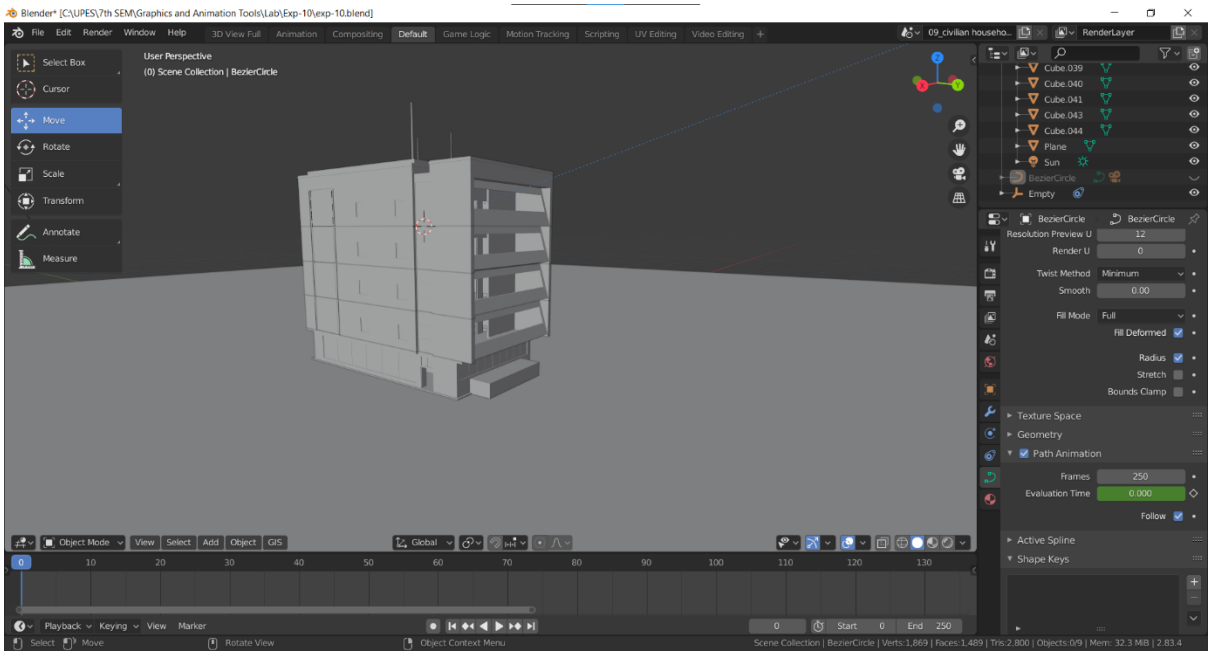
Step-6: add a 'point' light source to the each balcony of the building. And a final light source 'sun' to the region.

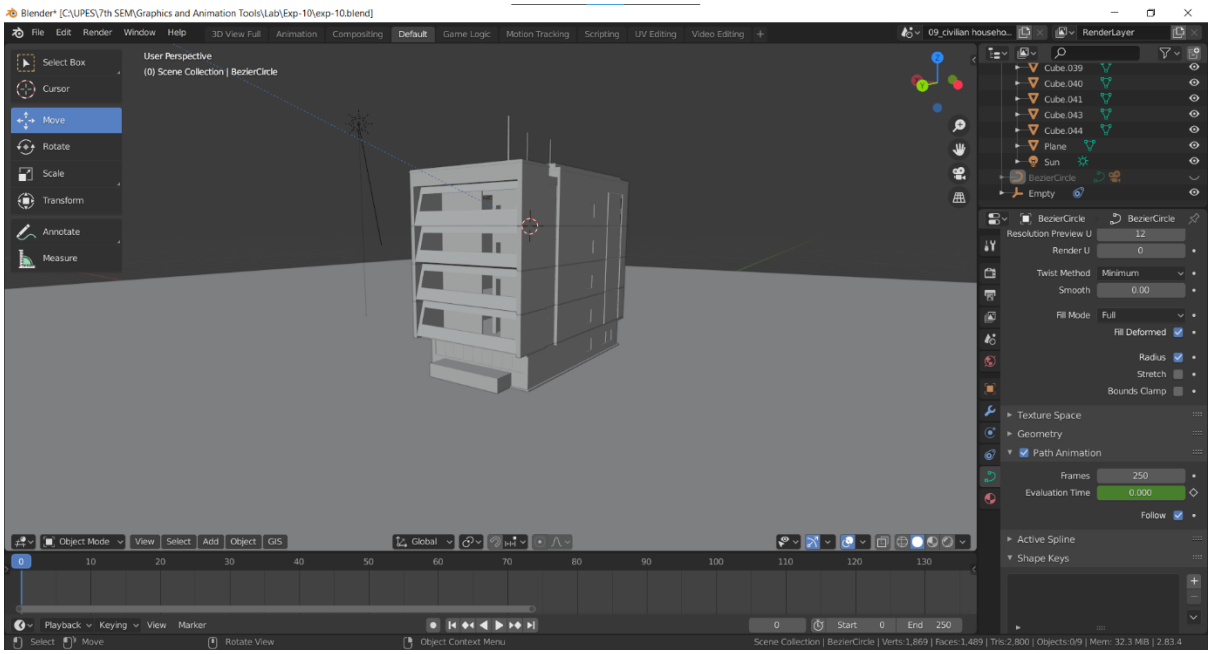
Step-7: add a plane on which the building is standing.

Step-8: Now add a camera to render the building and make the camera to rotate around the building in a circle. To implement this add a circle around the building and scale the circle to get the complete view of the building. And the camera to the circular path and focus the camera to the center of the building.

Step-9: Now save the .blend file to your local memory and render the file in Render Image tab. And render the animation.

SCREENSHOTS:




Blender* [C:\UPES\7th SEM\Graphics and Animation Tools\Lab\Exp-10\exp-10.blend]
File Edit Render Window Help
3D View Full Animation Compositing Default Game Logic Motion Tracking Scripting UV Editing Video Editing
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RenderLayer
Select Box
Cursor
Move
Rotate
Scale
Transform
Annotate
Measure
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Cube.039
Cube.040
Cube.041
Cube.043
Cube.044
Plane
Sun
BezierCircle
Empty
BezierCircle
Resolution Preview U 12
Render U 0
Twist Method Minimum
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Fill Mode Full
Fill Deformed
Radius
Stretch
Bounds Clamp
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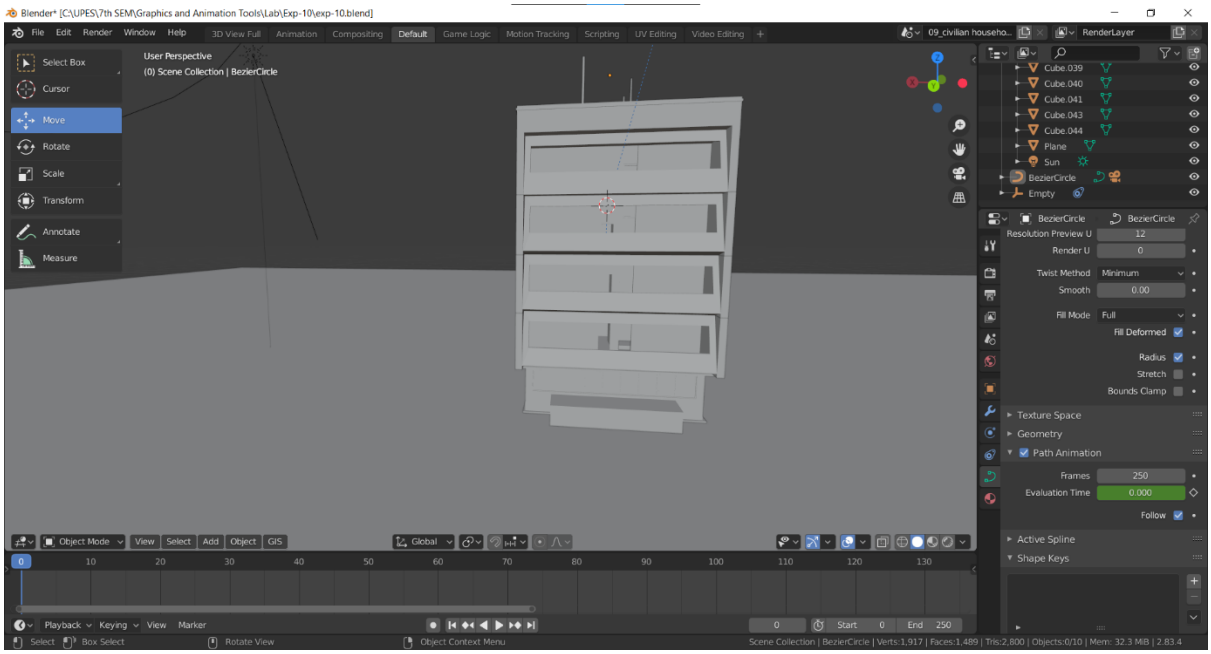
Object Mode View Select Add Object GIS
Global
Playback Keying View Marker
Start 0 End 250
Select Move Rotate View Object Context Menu
Scene Collection | BezierCircle | Verts:1,869 | Faces:1,489 | Tris:2,800 | Objects:0/9 | Mem: 32.3 MiB | 2.83.4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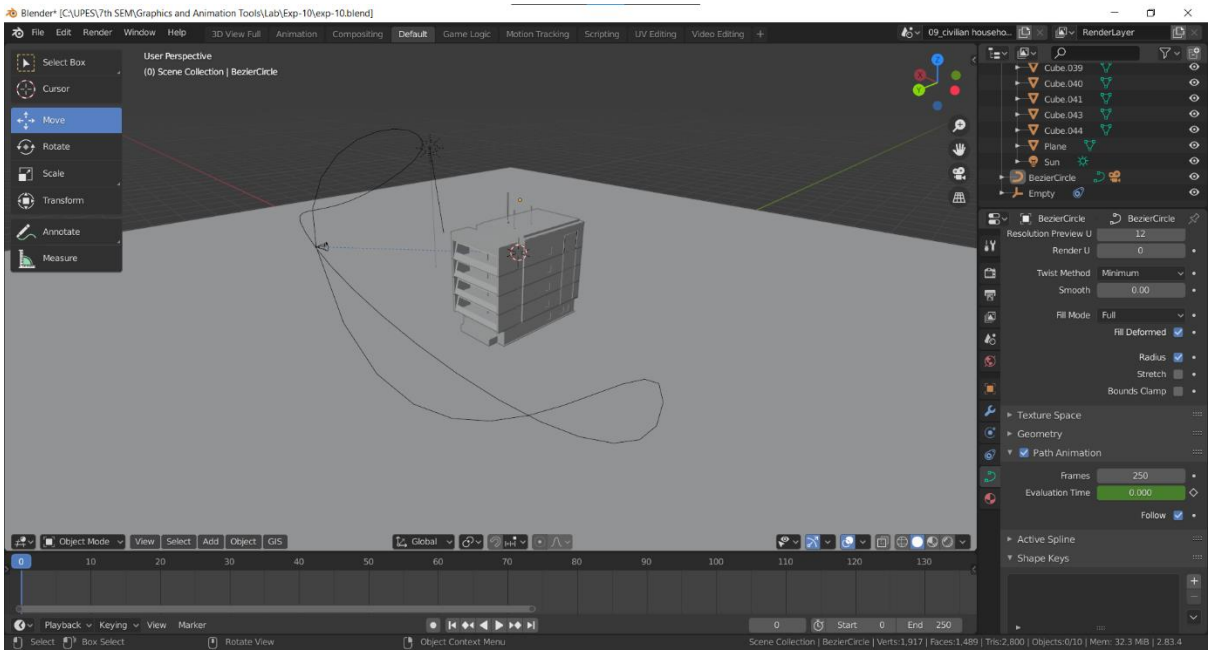

DRIVE Link -
https://drive.google.com/drive/folders/1XFT2o7laEdLpPHwjiq2NHDMAUoH_xrAA?usp=sharing