Course: Computer Graphics

Course Code: noc21-cs97

Session: 2020-21

Duration: 8 Week

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1: Introduction - historical evolution, issues and challenges, graphics pipeline, hardware and software basics
Week 2: Object representation - boundary representation, splines, space partitioning
Week 3: Modeling transformations - matrix representation, homogeneous coordinate system, composition, 3D transformations
Week 4: Illumination and shading - background, simple lighting model, shading models, intensity representation, color models, texture synthesis
Week 5: 3D viewing - viewing pipeline, view coordinate system, viewing transformation, projection, window-viewport transformation
Week 6: Clipping and hidden surface removal - clipping in 2D. 3D clipping algorithms, hidden surface removal
Week 7: Rendering - scan conversion of line, circle, fill-area and characters, anti-aliasing
Week 8: Graphics hardware and software - generic architecture, I/O, GPU, Shader programming, graphics software (openGL)
Week 8:   Plastics, Composites, nanotechnology applications

List of students enrolled

S. No	Name of Student
1	Abdul Rahman
2	Avinash Mittal
3	Chandan Singh Dhaked
4	Chestha Gautam
5	Divyanshu Pareek
6	Ashima Gupta
7	Isha Tripathi
8	Manthan Jain
9	Kanika Singhal
10	Khushboo Rathore
11	Komal Jha
12	Kshitij Kumawat
13	Mansi Pareek
14	Bhavya Mathur

15	Mukul Palol
16	Dr. Pankaj Dadheech
17	Piyushi Agarwal
18	Rashmi Dadhich
19	Sakshi Agarwal
20	Aayushi Sharma
21	Shubham Agarwal
22	Manasvini Sharma
23	Simran Rathore
24	Dr S R Dogiwal
25	Garvit Tamra
26	Kartikeya Dixit
27	Vaibhav Bairathi
28	Yashwardhan Gaur