

Video based teaching NPTEL material available in the library

Links for following lecture is <http://nptel.ac.in/video.php?subjectId=106106090>

- Lecture1: What is computer Graphics, Computer Graphics, Application of Computer Graphics(Lecture 1)
- Lecture 2 : CRT Display (Hardware)(Lecture 2 - 5)
- Lecture 3: 2D Graphics primitives, DDA algorithm(Lecture 13)
- Lecture 4:Bresenham line algorithm(Lecture 14)
- Lecture5 :Mid- point circle algorithm(Lecture 15-16)
- Lecture 7: Filled Area algorithm: Scan line algorithm(Lecture 18)
- Lecture 8 :Boundary filled algorithm(Lecture (Lecture 19)
- Lecture 10: Clipping: Cohen Sutherland algorithm(Lecture20)
- Lecture 11:Parametric line(Lecture22)
- Lecture 13: Cyrus Beck(Lecture 21)
- Lecture 14: Two Dimensional Transformation(Lecture 6)
- Lecture 15: Two Dimensional Transformation matrix(Lecture 7)
- Lecture 16: Composite Transformation(Lecture 7)
- Lecture 17:Three Dimensional Concept(
- Lecture 18:Transformation matrix in 3D(Lecture 8)
- Lecture 19:Composite Transformation(Lecture 8)
- Lecture 20:Projection, Type of Projection (Lecture 9)
- Lecture 21:Mathematics of Planar Projection(Lecture 9)
- Lecture 22:Hidden surface removal(Lecture 26)
- Lecture 23:Z Buffer, Scanline algorithm(Lecture 28-29,33)
- Lecture 24:Area Subdivision(Lecture 30)
- Lecture 25:Parametric representation of curve & Surface (Lecture 36)
- Lecture 26:Bezier curve(Lecture 37-38)
- Lecture 29:Illumination model & shading(Lecture 34,35)
- Lecture 32:Image processing(Lecture 42)