



GANAPATI INSTITUTE OF ENGINEERING AND TECHNOLOGY(POLYTECHNIC)
Mathasahi , Jagatpur , Cuttack - 754200

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
LESSON PLAN

Session (2025-2026)(S)

Discipline: Computer Science & Engineering	Semester:4 th , Summer/2025	Name of the Teaching Faculty: Mrs. Rajlaxmi Sahoo
Subject: Multimedia & Animation Theory-5(b)	No. Of Days/Week:03	Start Date:22.12.2025 End Date:18.04.2026

Week	Class Day	Theory Topics
1st	1st	Concept of multimedia, core elements
	2nd	Components of multimedia, Applications
	3rd	Hardware Requirements
2nd	1st	Multimedia Authoring Tools
	2nd	Multimedia software
	3rd	Multimedia Operating System
3rd	1st	Multimedia Communication System
	2nd	Working of MCS
	3rd	Multimedia Networks
4th	1st	Advantages, Disadvantages, Uses+Assignment
	2nd	Data Compression, Techniques used
	3rd	Audio compression Techniques
5th	1st	Video Compression Techniques
	2nd	Huffman Coding, RLE
	3rd	JPEG, MPEG
6th	1st	MP3, MP4, LZMA
	2nd	FLAC, ALAC
	3rd	ITU G.722, H.261
7th	1st	H.265
	2nd	Revision+Assignment
	3rd	Multimedia in Desktop Publishing(Corel Draw)
8th	1st	Corel Draw(contd)

	2nd	Corel Draw
	3rd	PhotoShop
9th	1st	Photoshop(contd)
	2nd	Photoshop
	3rd	Pagemaker
10th	1st	Pagemaker (contd)
	2nd	2D Animation concept with examples
	3rd	3D Animation concept with examples
11th	1st	Flash
	2nd	Revision+ Assignment
	3rd	Graphics System: Definition, Types
12th	1st	Representation of Graphics
	2nd	Video Display Devices, Raster vs Vector Images
	3rd	Applications
13th	1st	Digital Images and it Types
	2nd	Digital Imaging In Multimedia
	3rd	Analog Image Procesing, Digital Image Processing
14th	1st	Formation of Digital Image
	2nd	Steps in Digital Image Processing
	3rd	Contd.
15th	1st	Concepts of Digital Imaging in Mutimedia
	2nd	Role in multimedia
	3rd	Revision+Assignment

Rajlaxmi
22/12/25
Sign. of faculty

S.R. Pathan
22-12-25
Sign of Sr. Lect.

L P
22/12/25
Sign of Principal