


ACADEMIC LESSON PLAN 2022 (WINTER)

Discipline: Information Technology		Semester: 5th	Name of the Teaching faculty: Swetalina Das
Subject: Computer Graphics and Multimedia Lab		No. of Days/per week class allotted : 04	Semester from date : 15/09/2022 to 22/12/2022
Week		Class Day	No. of weeks : 15
1 st Week 15 th Sept-17 th Sept	1 st	Theory / Practical Topics	Remark
2 nd Week 19 th Sept -24 th Sept	1 st	Introduction to Computer Graphics, Graphics functions used in 'C' programs.	
	2 nd	Program to implement line using DDA algorithm.	
3 rd Week 26 th Sept-1 st Oct	1 st	Program to implement line using Bresenham's algorithm.	
	2 nd	Program to implement circle using mid-point algorithm.	
4 th Week 03 rd Oct -8 th Oct	1 st	Puja Vacation	
	2 nd		
5 th Week 10 th Oct- 15 th Oct	1 st	Program to implement rotation of a line and triangle.	
	2 nd	Program to implement scaling transformation.	
6 th Week 17 th Oct- 2 nd Oct	1 st	Write a program using function & Fill the Circle with Red color.	
	2 nd	Practice programs of DDA and Bresenham's line drawing algorithm	
7 th Week 25 th Oct-29 th Oct	1 st	Practice programs of translation and rotation of a line and triangle.	
	2 nd	The concept of Photoshop.How to open a document and save the document.	
8 th Week 31 st Oct-5 th Nov	1 st	How to create a new document with the needed resolution.	
	2 nd	How to select an area, copy and paste the selection.	
9 th Week 7 th Nov-12 th Nov	1 st	How to save images for the web and their formats.	
	2 nd	The use of layers and the history palette. How to print our document.	
10 th Week 14 th Nov- 9 th Nov	1 st	How to use the text editor. How to Crop Image in Photoshop & Sharpen Image?	
	2 nd	Procedure to Removing & Adding Backgrounds images. Procedure to Convert Color Photos to Black & White.	
11 th Week 21 st Nov - 6 th Nov	1 st	How to Create a passport size images? How to Change Eye Color & Hair Color?	
	2 nd	How to Add Rain in Photoshop? How to make a GIFs File?	
	3 rd	Concept of Flash.Procedure to create an animation to represent the growing moon.	

12 th Week	1 st	Procedure to create an animation to indicate a ball bouncing on steps	
28 th Nov -3 rd Dec	2 nd	Procedure to simulate movement of a cloud. Procedure to draw the fan blades and to give proper animation. Procedure to display the background given (filename: tulip.jpg) through your name.	
	3 rd	Procedure to create an animation with the following features	
13 th Week 5 th Dec -10 th Dec	1 st	Procedure to design a visiting card containing at least one graphic and text	
	2 nd	Procedure to prepare a cover page for the book in your subject area. Plan your own design.	
14 th Week 12 th Dec-17 th Dec	1 st	Procedure to adjust the brightness and contrast of the picture so that it gives	
	2 nd	Procedure to position the picture preferably on a plain background of a colour of your choice - positioning includes rotation and scaling.	
15 th Week 19 th Dec-22 nd Dec	1 st	Procedure to type a word and apply the effects shadow embosses.	
	2 nd	Quiz and Practice of programs and Experiments	

Signature of Faculty

 14/09/22