POST GRADUATE GOVT. COLLEGE, SECTOR-46, CHANDIGARH,

WEEKLY TEACHING SCHEDULE (2022-2023)

CLASS: <u>BCA 6th sem</u>   **SUBJECT: Computer Graphics & Multimedia Applications**

Sr. No.	Date (From-Upto)	Topics to be Covered
Week-1	16-21st January, 2023	A Survey of Computer Graphics : Computer Aided Design, Presentation Graphics, Computer art, Entertainment, Education and Training, Visualization, Image Pressing, Graphical User Interfaces.
Week-2	23-28th January, 2023	Overview of Graphics Systems: Video Display Devices, Cathode Ray Tube, CRT monitors, Flat panel displays: Plasma Panel display, Thin-film electroluminescent displays, LED, Liquid Crystal Displays (LCD)
Week-3	30 Jan -04th February, 2023	Raster Scan Systems, Random Scan Systems. Graphics Monitors and Workstations, Input Devices, Hard-copy devices, Graphics Software
Week-4	06-11th February, 2023	Auto CAD: Features and applications of AutoCAD
Week-5	13-18TH February, 2023	Multimedia Applications: What is multimedia, Components of Multimedia, Need of Multimedia, Features of a Multimedia System, Benefits and problems of using Multimedia?
Week-6	20-25TH February, 2023	System Components: Multimedia system and a conventional system, Basic System components, Subsystems and functions of a Multimedia computer, Multimedia Add-on Cards
Week-7	27 Feb – 4th March, 2023	Dimensioning, Drawing commands, Cleaning Up the drawing, Positioning Commands, Editing Commands, Construction Commands, Display Commands. Developing Computer Graphics Using 'C'
Week-8	6-11th March, 2023	Applications: Multimedia in the Real World, Training and Education, Image Processing, Multimedia in home and office

Week-9	13-18th March, 2023	**MID SEMESTER EXAMINATIONS**
Week-10	20-25th March, 2023	Multimedia Platforms: Personal computer as a Multimedia System, Limitations of the early Personal Computer as a Multimedia System, The evolution of MPC, Hardware Platforms, Software Platforms.
Week-11	27 March -01st April, 2023	Development Tools: Types of development tools, Commercial tools, Stages of Multimedia Application Development.
Week-12	03-8th April, 2023	Image: Sources of image, Types of images, Basic editing operations, Introduction to Image Compression: Lossy and Lossless compression, Image file formats. Audio: Hardware for Audio, Digital Audio, Audio editing operations, MIDI, Audio file formats Video: Hardware Components of a Video System, introduction to Video compression, MPEG, Video file formats.
Week-13	10-15th April, 2023	Storage for multimedia: magnetic media, Optical media, Compact disk specifications. Studying features and use of Multimedia authoring tools like Photoshop and Macromedia Director.
Week-14	17-22nd April, 2023	Photoshop- Features, Interface, Toolbox, Color models, Layers, Filters
Week-15	24-28th April, 2023	Macromedia Director- Features, Stage, Cast, Score, Control Panel, Sprite, Channels, Text Inspector, Tools for creating cast members

Signature Subject Teacher