LESSON PLAN 2023-24

NAME:-Ms. Parminder Kaur **DEPARTMENT: - Computer Science**

CLASS: - BCA- 6th Sem **SUBJECT: -Computer Graphics**

WEEK	TOPIC
JAN-I	Introduction to Computer Graphics; Interactive and Passive Graphics; Applications of Computer Graphics; Display Devices: CRT; Random Scan, Raster Scan
JAN-II	Refresh Rate and Interlacing, Bit Planes, Color Depth, Color Palette, Color CRT Monitor, DVST, Flat-Panel Displays: Plasma Panel,
JAN-III	LED, LCD; Lookup Table, Interactive Input Devices, Display Processor
JAN-IV	General Purpose Graphics Software, Coordinate Representations
JAN-V	Point-Plotting Techniques: Scan Conversion, Scan-Converting a Straight Line: The Symmetrical DDA, The Simple DDA, Bresenham's Line Algorithm
FEB-I	Scan-Converting a Circle: Circle drawing using Polar Coordinates, Bresenham's Circle Algorithm, Scan-Converting an Ellipse
FEB-II	Polynomial Method, Trigonometric Method; Polygon Area Filling: Scan-line Fill and Flood Fill Algorithms
FEB-III	Two-Dimensional Graphics Transformation: Basic Transformations: Translation, Rotation, Scaling
FEB-IV	Matrix Representations and Homogeneous Coordinates; Other Transformations: Reflection, Shearing
MARCH-I	Coordinate Transformations; Composite Transformations; Inverse Transformation; Affine Transformations; Raster Transformation, Graphical Input: Pointing and Positioning Devices and Techniques
MARCH-II	Two-Dimensional Viewing: Window and Viewport, 2-D Viewing Transformation Clipping: Point Clipping; Line Clipping: Cohen-Sutherland Line Clipping Algorithm
MARCH-III	Mid-Point Subdivision Line Clipping Algorithm; Polygon Clipping: Sutherland-Hodgman Polygon Clipping Algorithm
MARCH-IV	Three-Dimensional Graphics: Three-Dimensional Display Methods; 3-D Transformations: Translation, Rotation, Scaling; Composite Transformations;
APRIL-I	Revision
APRIL-II	Old Question Paper

LESSON PLAN 2023-24

NAME:-Ms. Parminder Kaur **DEPARTMENT: - Computer Science**

CLASS: - BCA- 2nd Sem **SUBJECT: -Introduction to Web Technologies**

WEEK	TOPIC
FEB-III	Introduction to Internet and World Wide Web (WWW); Evolution and History of World Wide Web, Web Pages and Contents, Web Clients, Web Servers, Web Browsers; Hypertext Transfer Protocol, URLs; Searching, Search Engines and Search Tools.
FEB-IV	Web Publishing: Hosting website; Internet Service Provider; Planning and designing website; Web Graphics Design, Steps For Developing website
MAR-I	Creating a Website and Introduction to Mark up Languages (HTML and DHTML), HTML Document Features & Fundamentals, HTML Elements, Creating Links; Headers;
MAR-II	Text styles; Text Structuring; Text colour and Background; Formatting text; Page layouts, Images; Ordered and Unordered lists; Inserting Graphics; Table Creation and Layouts;
MAR-III	Frame Creation and Layouts; Working with Forms and Menus; Working with Radio Buttons; Check Boxes; Text Boxes, HTML5
APRIL-I	Introduction to CSS (Cascading Style Sheets): Features, Core Syntax, Types, Style Sheets and HTML,
APRIL-II	Style Rule Cascading and Inheritance, Text Properties, CSS Box Model, Normal Flow Box Layout, Positioning, and other useful Style Properties; Features of CSS3
APRIL-III	Two-Dimensional Graphics Transformation: Basic Transformations: Translation, Rotation, Scaling
APRIL-IV	The Nature of JavaScript: Evolution of Scripting Languages, JavaScript-Definition,
MAY-I	Programming for Non-Programmers, Introduction to Client–Side Programming,
MAY-II	Enhancing HTML Documents with JavaScript. Static and Dynamic web pages
MAY-III	Revision and Tests
MAY-IV	Revision and Tests

LESSON PLAN 2023-24

NAME:-Ms. Parminder Kaur **DEPARTMENT: - Computer Science**

CLASS: - BSc CS- 2nd Sem **SUBJECT: -Web Development**

WEEK	TOPIC
FEB-III	Introduction to Internet and World Wide Web (WWW); Evolution and History of World Wide Web, Web Pages and Contents, Web Clients, Web Servers, Web Browsers; Hypertext Transfer Protocol, URLs; Searching, Search Engines and Search Tools.
FEB-IV	Web Publishing: Hosting website; Internet Service Provider; Planning and designing website; Web Graphics Design, Steps For Developing website
MAR-I	Creating a Website and Introduction to Mark up Languages (HTML and DHTML), HTML Document Features & Fundamentals, HTML Elements, Creating Links; Headers;
MAR-II	Text styles; Text Structuring; Text colour and Background; Formatting text; Page layouts, Images; Ordered and Unordered lists; Inserting Graphics; Table Creation and Layouts;
MAR-III	Frame Creation and Layouts; Working with Forms and Menus; Working with Radio Buttons; Check Boxes; Text Boxes, HTML5
APRIL-I	Introduction to CSS (Cascading Style Sheets): Features, Core Syntax, Types, Style Sheets and HTML,
APRIL-II	Style Rule Cascading and Inheritance, Text Properties, CSS Box Model, Normal Flow Box Layout, Positioning, and other useful Style Properties; Features of CSS3
APRIL-III	Two-Dimensional Graphics Transformation: Basic Transformations: Translation, Rotation, Scaling
APRIL-IV	The Nature of JavaScript: Evolution of Scripting Languages, JavaScript-Definition,
MAY-I	Programming for Non-Programmers, Introduction to Client–Side Programming,
MAY-II	Enhancing HTML Documents with JavaScript. Static and Dynamic web pages
MAY-III	Revision and Tests
MAY-IV	Revision and Tests