

Post Graduate Government College, Sector-46, Chandigarh

Weekly Teaching Schedule (2023-24)

Department of Computer Applications

Class: - BCA 4th Semester

Subject: - Software Project Management

Week	Period		Topics to be Covered
	From	To	
1	09.01.2024	13.01.24	Introduction to project and project management, role of a project manager in project management, a system view of project management, Stakeholders of Project.
2	15.01.2024	20.01.24	Project phases and product life cycles, Evolution of software economics, improving software economics: reducing product size, software processes, team effectiveness, automation through software environments, Principles of modern software management.
3	22.01.2024	27.01.24	Project Management Framework, Software Tools for Project Management, Issues in Project Staff Acquisition.
4	29.01.2024	03.02.24	Team formation and Development, Model based software architectures, Workflows of the process, Checkpoints of the process.
5	05.02.2024	10.02.24	Integration Management: Project selection, project management plans.
6	12.02.2024	17.02.24	Project execution, project monitoring and controlling, integrated change control.
7	19.02.2024	24.02.24	Scope Management: project scope statement, Work breakdown structures.
8	26.02.2024	02.03.24	Scope verification and scope control, Process instrumentation and seven core metrics.
9	04.03.2024	09.03.24	Iterative process planning.
10	11.03.2024 to 18.03.2024 (Tentative Dates for MST)		
11	19.03.2024	22.03.24	Project organizations and responsibilities, Process automation.
12	26.03.2024	30.03.24	Time Management; Importance of Project Schedules, Sequencing and Scheduling Activity.
13	01.04.2024	06.04.24	Project Network Diagrams, PERT/CPM, Gantt charts, Critical chain scheduling.
14	08.04.2024	12.04.24	Project Cost Management - Importance and Principles of Project Cost Management, Resource Planning.
15	15.04.2024	22.04.24	Cost Estimating Techniques and Expert Judgment, Estimating by Analogy, COCOMO Model, Cost Budgeting and Control.

Signature of the Subject Teacher

Post Graduate Government College, Sector-46, Chandigarh

Weekly Teaching Schedule (2023-24)

Department of Computer Applications

Class: - BCA 6th Semester

Subject: - Computer Graphics

Week	Period		Topics to be Covered
	From	To	
1	09.01.2024	13.01.24	A Survey of Computer Graphics: Computer Aided Design, Presentation Graphics, Computer art, Entertainment, Education and Training, Visualization, Image Pressing, Graphical User Interfaces
2	15.01.2024	20.01.24	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)
3	22.01.2024	27.01.24	Raster Scan Systems, Random Scan Systems. Graphics Monitors and Workstations, Input Devices, Hard-copy devices, Graphics Software.
4	29.01.2024	03.02.24	Auto CAD: Features and applications of AutoCAD
5	05.02.2024	10.02.24	What is multimedia, Components of Multimedia, Need of Multimedia, Features of a Multimedia System, Benefits and problems of using Multimedia
6	12.02.2024	17.02.24	System Components: Multimedia system and a conventional system, Basic System components, Subsystems and functions of a Multimedia computer, Multimedia Add-on Cards.
7	19.02.2024	24.02.24	Dimensioning, drawing commands, Cleaning Up the drawing, Positioning Commands, Editing Commands, Construction Commands, Display Commands. Developing Computer Graphics Using 'C'
8	26.02.2024	02.03.24	Applications: Multimedia in the Real World, Training and Education, Image Processing, Multimedia in home and office
9	04.03.2024	09.03.24	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.
10	11.03.2024 to 18.03.2024 (Tentative Dates for MST)		
11	19.03.2024	22.03.24	Development Tools: Types of development tools, Commercial tools, Stages of Multimedia Application Development.
12	26.03.2024	30.03.24	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.

13	01.04.2024	06.04.24	Storage for multimedia: magnetic media, Optical media, Compact disk specifications. Studying features and use of Multimedia authoring tools like Photoshop and Macromedia Director.
14	08.04.2024	12.04.24	Photoshop- Features, Interface, Toolbox, Color models, Layers, Filters
15	15.04.2024	22.04.24	Macromedia Director- Features, Stage, Cast, Score, Control Panel, Sprite, Channels, Text Inspector, Tools for creating cast members

Signature of the Subject Teacher