

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. |

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| 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