Lesson Plan

Name of the Faculty : **Pency**

[**Discipline :**](../../../LAB6%20PC19/Desktop/6th%20sem%20L%20P/Network%20Security.docx#bookmark2) **Computer Engg.**

[Semester :](../../../LAB6%20PC19/Desktop/6th%20sem%20L%20P/Network%20Security.docx#bookmark3) 3rd

**Subject** : Multimedia Application

Lesson Plan Duration : **21 weeks (from Oct 2022 to Feb 2023)**

Work Load (Lecture / Practical) per week (in hours): **Lectures-03, Practical-12**

| **Week** | **Theory** | | | | **Practical** | |
| --- | --- | --- | --- | --- | --- | --- |
| **Lecture day** | | **Topic (including assignment / test)** | | **Practical Day/Week** | **Topic** |
| **1st** | **1st** | | Introduction to Multimedia System | | 1st | Prac. 1  Installation of various multimedia software like Photoshop, Flash, Director or any open source software |
| **2nd** | | Concept of Multimedia, History of Multimedia | |
| **3rd** | | Multi media hardware and software -various classes, components | |
| **2nd** | **4th** | | Quality criteria and specifications of different capturing devices | | 2nd | Installation of various multimedia software like Photoshop, Flash, Director or any open source software |
| **5th** | | Communication devices, | |
| **6th** | | Storage devices, Display devices | |
| **3rd** | **7th** | | Elements of Multimedia, different multimedia file formats | | 3rd | Prac. 2  Installing and use of various multimedia devices   * Scanner * Digital camera, web camera * Plotter and printers |
| **8th** | | Applications of multimedia – benefits and problems | |
| **9th** | | Revision | |
| **4th** | **10th** | | Planning steps and process, Audio encoding techniques, | | 4th | * Mike and speakers   - Touch screen |
| **11th** | | Concept of data compression, Text encoding, | |
| **12th** | | Types of images, Capturing images using camera/scanner, | |
| **5th** | **13th** | | coding techniques for Moving Images, | | 5th | - DVD  - Audio CD and Video CD |
| **14th** | | Editing , Editing of images audio | |
| **15th** | | text, video and graphics, | |
| **6th** | **16th** | | navigation and user interface designing | | 6th | Prac. 3  Reading and writing of different format on CD/DVD |
| **17th** | | Revision | |
| **18th** | | Revision | |
| **7th** | **19th** | | Use of various codes like bar code, QR code in multimedia applications. | | 7th | Prac. 4  Transporting audio and video files |
| **20th** | | Use of various codes like bar code, QR code in multimedia applications | |
| **21st** | | Revision | |
| **8th** | **22nd** | | Photo-shop workshop, | | 8th | Prac. 5  Using various features of Flash |
| **23rd** | | image editing tools, | |
| **24th** | | specifying and adjusting colors | |
| **9th** | **25th** | | using gradient tools, | | 9th | Using various features of Flash |
| **26th** | | selection and move tools, | |
| **27th** | | transforming path drawing and | |
| **10th** | **28th** | | editing tools, | | 10th | Prac. 6  Using various features of Photo-shop/GIMP |
| **29th** | | using channels, | |
| **30th** | | layers, filters and actions | |
| **11th** | **31st** | | layers, filters and actions | | 11th | Prac. 7  Making multimedia presentations combining, Flash, Photo-shop, such as department profile, lesson presentation, games and project presentations |
| **32nd** | | Revision | |
| **33rd** | | Revision | |
| **12th** | **34th** | | Types of Authoring programmes | | 12th | Making multimedia presentations combining, Flash, Photo-shop, such as department profile, lesson presentation, games and project presentations |
| **35th** | | Icon based, Time based, | |
| **36th** | | Story boarding/scripting and object oriented working in macromedia flash | |
| **13th** | **37th** | | exploring interface using selection of PEN tools. | | 13th | Prac. 8  Generation and recognition of bar code & QR code using pre built application/mobile applications. |
| **38th** | | Working with drawing and painting tools, | |
| **39th** | | applying colour viewing and manipulating time line | |
| **14th** | **40th to 42nd** | | Revision | | 14th | Revision |
| **15th** | **43rd to 45th** | | Revision | | 15th | Revision |
| **16th** | **46th to 48th** | | Revision | | 16th | Revision |
| **17th** | **49th** | | animating, processing, guiding layers, | | 17th | Generation and recognition of bar code & QR code using pre built application/mobile applications. |
| **50th** | | importing and editing sound and | |
| **51st** | | video clips in flash | |
| **18th** | **52nd to 54th** | | Revision | | 18th | Revision |
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| **19th to 21st** |  | Revision | | 19th to 21st | | Revision |