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)** | **PracticalDay/Week** | **Topic** |
| **1st** | **1st** | Introduction to Multimedia System | 1st | Prac. 1Installation 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. 2Installing 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. 3Reading 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. 4Transporting 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. 5Using 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. 6Using various features of Photo-shop/GIMP |
| **29th** | using channels, |
| **30th** | layers, filters and actions |
| **11th** | **31st** | layers, filters and actions | 11th | Prac. 7Making 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. 8Generation 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 |
|  |
| **19th to 21st** |  | Revision | 19th to 21st | Revision |