மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்

MANONMANIAM SUNDARANAR UNIVERSITY

SYLLABUS FOR DIPLOMA IN WEB DESIGNING PROGRAM OFFERED THROUGH DIRECTORATE OF VOCATIONAL EDUCATION (COMMUNITY COLLEGES AND VOCATIONAL SKILL DEVELOPMENT CENTRES) FROM 2019 – 2020

கல்விசார் நிலைக்குழுக் கூட்டம்

MEETING OF THE STANDING COMMITTEE ON ACADEMIC AFFAIRS HELD ON WEDNESDAY THE 22nd JANUARY 2020

DIPLOMA IN WEB DESIGNING
இணைய வடிவமைப்பில் பட்டயம்
SCHEME OF EXAMINATION

Subject code	Title of the Course	Credits	Hours	Passing Minimum
First Semester				
C19WD11/E19WD01	Web Designing Principles	6	90	40/100
C19WD12/E19WD02	Graphics Designing using Corel Draw	6	90	40/100
C19WD13/E19WD03	Adobe Photoshop	6	90	40/100
C19CE10/E19CE10	Communicative English	6	90	40/100
C19WDP1/E19WDP1	Practical I-Web Designing Lab	4	120	40/100
Second Semester				
C19WD21/E19WD04	Adobe Flash	6	90	40/100
C19WD22/E19WD05	Adobe Dream weaver	6	90	40/100
C19LS23/E19LS05	Life Skill	6	90	40/100
C19WD24/E19WD06	PHP & MYSQL	6	90	40/100
C19WDP2/E19WDP2	Practical II-PHP & SQL Lab and Internship	8	120	40/100

Eligibility for admission: Pass in 10th std examination conducted by the Govt. of Tamil Nadu Board of Secondary Education, Government of Tamil Nadu or any other equivalent examination.

Examination: Passing Minimum for each Course is 40%. Classification will be done on the basis of percentage marks of the total marks obtained in all the Courses and as given below:

40 % but less than 50 %   - Third class
50 % but less than 60 %   - Second class
60 % and above   - First class

Theory Paper
> Internal Marks-25
> External Marks-75

Syllabus
First Semester:-
> Course I   - Web Designing Principles
> Course II   - Graphics Designing using Corel Draw
> Course III   - Adobe Photoshop
> Course IV   - Communicative English
> Course V   - Practical I-Web Designing Lab

Second Semester:-
> Course VI   - Adobe Flash
> Course VII   - Adobe Dream weaver
> Course VIII - Life Skill
> Course IX   - PHP & MYSQL
> Course X   - Practical II-PHP & SQL Lab and Internship

*(Semester Pattern for Community College Only)

SEMESTER I
Course I
(C19WD11/E19WD01)Web designing principles

Unit I   18 Hrs

Web design Principles - Basic principles involved in developing a web site - Planning process - Five Golden rules of web designing - Designing navigation bar - Page design - Home Page Layout - Design Concept.

Unit II   18 Hrs

Basics in Web Design - Brief History of Internet – What is World Wide Web – why create a website – web standards – Audience requirements.

Unit III   18 Hrs

Introduction to HTML – What is HTML - HTML Documents - Basic structure of an HTML document - Creating an HTML document - Mark up Tags - Heading-Paragraphs - Line Breaks - HTML Tags- Working with Text - Working with Lists, Tables and Frames -   Working with Hyperlinks, Images and Multimedia - Working with Forms and controls.

Unit IV   18 Hrs

Introduction to Cascading Style Sheets - Concept of CSS - Creating Style Sheet - CSS Properties - CSS Styling(Background, Text Format, Controlling Fonts) - Working with block elements and objects - Working with Lists and Tables - Working with Lists and Tables - CSS Id and Class - Box Model-Creating page Layout and Site Designs.

Unit V   18 Hrs
Introduction to Web Publishing or Hosting - Creating the Web Site - Saving the site - Working on the web site - Creating web site structure - Creating Titles for web pages - Themes-Publishing web sites.

REFERENCE BOOK

1. HTML in simple steps , Dreamtech press, Kogent Learning,2010.

2. Creating a Web Page and Web Site, Murray,Tom/Lynchburg,2008.

Course II

(C19WD12/E19WD02)Graphics Designing using Corel Draw

Unit I: 18 Hrs

Introduction to CorelDraw Getting Started - Moving Around and Viewing Drawings - Basic Drawing Skills Selecting and Manipulating Objects - Drawing and Shaping Objects - Arranging Objects

Unit II: 18 Hrs

Using Text Working With Text - Working With Objects - Outlining and Filling Objects - Using Symbols and Clipart - Transforming Objects

Unit III: 18 Hrs

Adding Special Effects Special Effects - Creating Output - Exporting Drawings - Printing

Unit IV: 18 Hrs

Customizing Corel DRAW Introduction - Customizing Options - Using Text and Color - Working With Color - Working With Paragraph Text - Special Text Effects - Layouts and Layers - Special Page Layouts - Arranging Objects - Using Layers

Unit V: 18 Hrs

Styles and Templates Using Styles and Templates - Advanced Effects - Special Interactive Effects - Custom Creation Tools - Working With Bitmaps – Corel TRACE and Corel R.A.V.E.

Reference Books:

1. Corel Draw In Simple Steps – Shalini Gupta,2011.

2. Corel Draw Bible - Deborah Miller,2009.

Course III
(C19WD13/E19WD03)ADOBE PHOTOSHOP

UNIT I: **18 Hrs**

INTRODUCTION TO ADOBE PHOTOSHOP CS4 - About Photoshop - Navigating Photoshop - Menus and panels - Opening new files - Opening existing files.

UNIT II: **18 Hrs**

Getting Started with Photoshop - Exploring the Toolbox - The New CS4 Applications Bar & the Options Bar - Exploring Panels & Menus - Creating & Viewing a New Document - Customizing the Interface - Setting Preferences.

UNIT III :   **18 Hrs**

Working with Images - Zooming & Panning an Image - Working with Multiple Images - Rulers, Guides & Grids - Undoing Steps with History - Adjusting Color with the New Adjustments Panel - The New Masks Panel & Vibrance Color Correction Command - The New Note Tool & the Save for Web & Devices Interface - The New Auto-Blend & Auto-Align Layers Commands - The New 3D Commands.

UNIT IV: **18 Hrs**

RESIZING & CROPPING IMAGES - Understanding Pixels & Resolution - The Image Size Command - Interpolation Options - Resizing for Print & Web - Cropping & Straightening an Image - Adjusting Canvas Size & Canvas Rotation.

UNIT V: **18 Hrs**

WORKING WITH BASIC SELECTIONS - Selecting with the Elliptical Marquee Tool - Using the Magic Wand & Free Transform Tool - Selecting with the Regular & Polygonal Lasso Tools - Combining Selections - Using the Magnetic Lasso Tool - Using the Quick Selection Tool & Refine Edge - Modifying Selections

Reference Books:
1.Teach Yourself Adobe Photoshop – Rose Carla,2011.
2.Adobe Photoshop Cs Classroom In A Book By Adobe Press,2011.

Course IV

(C19CE10/E19CE10)COMMUNICATIVE ENGLISH

1. **Basic Grammar**:
   a. Review of grammar
   b. Remedial study of grammar
   c. Simple sentence
   d. Word passive voice etc.
2. **Bubbling Vocabulary**:
   a. Synonyms
   b. Antonyms
   c. One – work Institution
3. **Reading and Understanding English**
   a. Comprehension passage
   b. Précis – writing
   c. Developing a story from hints.
4. **Writing English**
   a. Writing Business letters.
   b. Paragraph writing
   c. Essay writing
   d. Dialogue writing
5. **Speaking English**
   a. Expressions used under different circumstances
   b. Phonetics

Reference : 1. V.H.Baskaran – "English Made Easy"

2. V.H.Baskaran – "English Composition Made Easy"

(Shakespeare Institute of English Studies, Chennai)

3. N.Krishnaswamy – "Teaching English Grammar"

(T.R.Publication, Chennai)

4. "Life Skill" – P.Ravi, S.Prabakar and T.Tamzil Chelvam,

M.S.University, Tirunelveli.

Course V

Practical II

(C19WDP1/E19WDP1)Web Designing Lab

1. Acquaintance with elements, Tags and basic structure of HTML files.

2. Practicing basic and advanced text formatting.

3. Practicing use of multimedia components (Image, Video & Sound) in HTML document.

4. Designing of webpage-Document Layout.

5. Designing of webpage-Working with List.

6. Designing of webpage-Working with Tables.

7. Practicing Hyper linking of web pages.

8. Designing of webpage- working with Frames.

9. Designing of webpage- working with Forms and Controls.

10. Acquaintance with creating style sheet, CSS properties and styling.

11. Working with Background, Text and Font properties.

12. Working with list properties

13. Designing with cascading style sheet-Internal style sheet

14. Designing with cascading style sheet-External style sheet

(C19WD21/E19WD04)ADOBE FLASH

UNIT I: **18 Hrs**

Flash Editor — Panels – Timeline – Tools, saving and updating Files.

UNIT II: **18 Hrs**

More tools — utilities – Grouping – Arranging Graphic Symbols – Alignment – Libraries – Layers

UNIT III: **18 Hrs**

Graphic Symbols – Alignment – Libraries – Layers - Keyframes – Frame by Frame Animation – Onion Skins – Frame Rate.

UNIT IV: **18 Hrs**

Motion Tweening – Step Action – Rotate and Spin – Info Panel – Movie Explorer – Shape Tweening

UNIT V: **18 Hrs**

Button Symbols – get URL Action – Adding Sound to Buttons – Publishing and Exporting.

Reference Book:

1. Adobe Flash Professional CC Classroom in., Book by Russell Chun,2011.

<div align="center">

Course VII

(C19WD22/E19WD05)ADOBE DREAMWEAVER

</div>

UNIT I: **18 Hrs**

Customizing Your Workspace - overview - Touring the workspace - Switching and splitting views - Working with panels. - Selecting a workspace layout - Adjusting toolbars.- Personalizing preferences. - Creating custom keyboard shortcuts. - Using the Property inspector.

UNIT II: **18 Hrs**

Ading Interactivity - Learning about Dreamweaver behaviors - Previewing the completed file - Working with Dreamweaver behaviors - Working with Spry Accordion widgets

UNIT III: **18 Hrs**

Working with Web Animation and Video - Understanding web animation and video - Previewing the completed file - Adding web animation to a page - Adding web video to a page

UNIT IV: **18 Hrs**

Working with Forms - Previewing the completed file - Learning about forms. - Adding a form to a page - Inserting text form elements. - Inserting checkboxes. - Creating radio buttons. - Incorporating text areas - Working with lists. - Adding a Submit button - Specifying a form action - Emailing form data - Styling forms

UNIT V: **18 Hrs**

Working with Online Data - Working with dynamic content - Previewing the completed file - Using HTML and XML data - Choosing a server model - Configuring a local web server - Setting up a testing server -Building database applications

Reference Book:

1.   Adobe dream weaver CS6 Classroom in a Book , Writer: James J. Maivald,2011.

(C19LS23/E19LS05)Life Skill

I Life Coping or adjustment

   (a) External and internal influence in one's life
   (b) Process of coping or adjustment
   (c) Coping with physical change and sexuality
   (d) Coping with stress, shyness, fear, anger far live and criticism.

II Attitude

   (a) Attitude
   (b) Self acceptance, self – esteem and self actualization
   (c) Positive thinking

III Problem Solving

   (a) Goal Setting
   (b) Decision Making
   (c) Time Management and stress Management.

IV Computers

   (a) Introduction to Computers
   (b) M.S.Office
   (c) Power Point

V Internet

   (a) Introduction to internet
   (b) E – mail
   (c) Browsing

References:

1) Life Skill Programme course I & II by Dr. Xavier Alphona MCRDCE Publications. R.K.Mutt Road, Chennai – 28
2) ஆளுமை பண்பு வளர்த்தல் மற்றும் தகவல் தொடர்பு by M.Selvaraj Community College,Palayamkottai
3) "Life Skill" –P.Ravi, S.Prabahar & T.Tamil Chelvam, M.S. University, Tirunelveli

(C19WD24/E19WD06)PHP & MYSQL

UNIT I   **18 Hrs**
INTRODUCTION TO PHP - History of PHP - Apache Web Server - MySQL and Open Source - Relationship between Apache - MySQL and PHP (AMP Module) - PHP configuration in IIS - Apache Web server

UNIT II: **18 Hrs**
BASICS OF PHP - PHP structure and syntax - Creating the PHP pages - Rules of PHP syntax - Integrating HTML with PHP - Constants, Variables : static and global variable - Conditional Structure & Looping - PHP Operators - Arrays, for each constructs - User defined function, argument function, Variable function - Return Function - default argument - variable length argument

UNIT III: **18 Hrs**
IMAGES WITH PHP - Working with GD Library - File types with GD and PHP - Compiling PHP with GD - Creating the image table - Uploading the image

UNIT IV: **18 Hrs**
INTRODUCTION TO MYSQL - MySQL structure and syntax - Types of MySQL tables and storages engines - MySQL commands - Integration of PHP with MySQL - Connection to the MySQL server - Working with PHP and arrays of data - Referencing two tables - Joining two tables

UNIT V: **18 Hrs**
WORKING WITH DATABASE - Creating a table - Manipulating the table - Filling the table with data - Adding links to the table - Adding data to the table - Displaying the new information - Displaying the movie details - Editing the database - Inserting a record - Deleting a record - Editing data.

Reference Books:
 1. **Beginning PHP, Apache, MySQL Web Development** Elizabeth Naramore, Jason Gerner , Yann Le Scouarnec, Jeremy Stolz,Michael K. Glass, Gary Mailer - By Wrox Publication,2008.
2. **PHP, MySQL and Apache** - Julie C. Melone By Pearson Education,2009.
3. **Beginning PHP 5.3**by Matt Doyle - By Wrox Publication,2008.
4. **PHP and MySQL Bible** – Tim Converse and Joyce Park with Clark Morgam By Wiley INDIA, 2011.

(C19WDP2/E19WDP2)PHP & SQL LAB AND INTERNSHIP

1. Creating the PHP page

2. Programs using arrays and control and loop structures

3. Testing different PHP functions and user define function.

4. Creating forms using buttons, textboxes and other form elements.

5. Passing hidden information to the form processing script via hidden form controls and a URL query string.

6. Creating forms with sessions and cookies.

7. Error handling and exception creating error handling pages with PHP.

8. Enabling PHP setup to include the GD Library.

9. Allowing the user to upload their own images.

10.   View the data contained in the My SQL database.

11.   Connect to the database from your website.

12.   Programs to manipulate the table.