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| **Course-35 Title: Web Programming Project** |  |
| **Course No.: CIT 220 Credit : 1.50 Contact Hours: 3.00** | **Total Marks: 100** |

**11.1 Rationale:**

Computer Engineers should be competent in Web programming through scripting Language This HTML, CSS, JavaScript, Joomla 2.5 and WordPress, PHP,MySql .It is valuable to both beginners and advanced developers that already have experience in developing web applications.

**11.2 Objectives:**

Students mainly understand a practical concept about In the hands-on HTML, CSS, Joomla 2.5 and WordPress training course, you will learn how to create web applications using HTML, CSS, Joomla 2.5 and WordPress. The HTML will give you the first-hand experience with all the new HTML5 features.

* Demonstrate understanding of (X)HTML(5)+CSS programming.
* Create and compile advanced dynamic web projects using client - JQuery(Javascript) and server – PHP technology.
* Demonstrate understanding of database applications with MySQL.
* Show understanding of the logic behind advanced web applications.
* Demonstrate an understanding of Content Management System

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| **11.3**  **Learning Outcomes** | **11.4**  **Course Content** | **11.5**  **Teaching Strategy/ Learning Experience** | **11.6 Assessment Strategy** |
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| To Apply HTML Knowledge | HTML, Creating a HTML page, HTML Tags, Paragraph & Text Formatting, Lists, Horizontal Ruling lines, HTML Color , Background Color , Specifying Font Information, Formatting Tags, HTML Hyper links HTML Table & Data Alignment Options Table Cell Spacing & Padding Changing Table Height & Width of Table Elements Links Anchor Tag, HTML pre tag HTML Form Overview HTML Frames, Create Interactive Button List Background  Using Images Make menu Button Using HTML code & Image HTML bdo tag HTML span tag Marquee Tag | Group Assignment, Panel Discussion, Problem based Learning | Matching Type, Peer-Rating |
| To Apply CSS Knowledge | CSS, Introduction to CSS ,External Style Sheet ,Internal  Style Sheet Inline Style ,Multiple Style Sheet, Div Concept ,Div  ID ,Div Class, Keywords, Float, Padding ,Margin The letter-spacing Property, The word-spacing Property, Text Align Property, Line Height Property, Background-URL, Background-Position, Background-Repeat ,Table Captions ,Table Columns, Other Table Style, Background-Gradient Color, Horizontal Menu Design PSD to HTML Convert | Problem Based Learning, Project, Inquiry –based Learning | Practical Exam, Matching Type |
| To Apply Java Scripting Knowledge | Introduction to Java Scripting, Client and Server side scripting, JavaScript inserted into HTML pages, can be executed by all modern web browsers, JavaScript is easy to learn, JavaScript Slide Customization, Form Validation, Basic Function | Group Assignment ,Panel Discussion | Observation |
| To Apply Flash based Animation Knowledge | Introduction to Adobe Flash, Tools in Adobe Flash, Shape Tween and Motion Tween, Frame Animation, Various Flash Effects, Creating Flash Banners /Slide | Group Assignment ,Panel Discussion | Observation |
| To Apply jQuery ,Knowledge | **Getting Started with jQuery, Accessing HTML Elements, Selecting HTML Elements, Attributes, and Positions, Managing Events, Hide-and-Seek with Web Page Elements, Sliding and Fading Web Page Elements, Animating Web Page Elements, Making Web Page Content Dynamic, Understanding Plug-ins** | Problem-based Learning, Demonstration, Project  /Assignment | Group Exercise, Observation, Inventories |
| To Apply PHP Knowledge | Conditional Statements ,  if (...else) statement ,  Switch statements , Loop , For statement ,o For each statement , While statement , Do While statement Arrays ,PHP Functions , Get & Post Variable , Include and Require Once. Deleting file. Uploading files. Downloading files Register session variable, Creating a cookie. Header, Subject, From, Message, Send email to a mail address | Problem-based Learning, Demonstration, Project  /Assignment | Group Exercise, Observation, Inventories |
| To Apply MySql Knowledge | General Concept of Database, Database Architecture , Creating a Database, Creating a Table, Data type, Mysql Select , Mysql Insert, Mysql Where, Mysql Orderby,Mysql Update ,Mysql Delete Designing Web Database, Tables, Mysql  Function ,Mysql query | Problem-based Learning, Demonstration, Project  /Assignment | Group Exercise, Observation, Inventories |
| To Apply Joomla! Knowledge | Introduction Joomla!, Site Menu *Menus* Menu, Articles Menu, Content Editing, Extensions, Components Menu | Problem-based Learning, Demonstration, Project  /Assignment | Group Exercise, Observation, Inventories |
| Project | Project, Review & Exam | Problem-based Learning, Demonstration, Project  /Assignment | Group Exercise, Observation, Inventories |

**RECOMMENDED BOOKS AND PERIODICALS**

**Text Books**: