



COURSE MODULE: WEB TECHNOLOGIES

Course Coordinator: Prof. Yeshashwini Bhandari K R				Academic Year: 2024-25		
Department: Master of Computer Application						
Course Code	Course Title	Core/Elective	Prerequisite	Contact Hours		Total Hrs/ Sessions
				L: T: P		
MMC105	Web Technologies	PCC		3:0:0		40(TH)
Course Learning Objective: The course will enable the students to: <ol style="list-style-type: none"> 1. Creating a small web page using HTML5 and CSS. 2. Developing interactive web pages using JavaScript. 3. Create web pages using angular JS framework. 						
Teaching-Learning Process (General Instruction): <ol style="list-style-type: none"> 1. Use PowerPoint and chalk-and-talk for engaging concept delivery. 2. Conduct practical coding sessions in HTML, CSS, JavaScript, and AngularJS. 3. Regular homework and projects to reinforce learning and encourage collaboration. 4. Periodic assessments to evaluate understanding and retention. 						
Module-1						
Web browsers, web servers, MIME, URL, HTTP Introduction to HTML5 tags, Basic syntax and structure, text markups, images, lists, tables, progress, Media tags-audio and video, forms, span and div tags. TLP: Power Point Presentation, Chalk and Talk						
Module-2						
Introduction to CSS, Levels of CSS, Selectors, Font, color and Text Properties, BOX Model, Introduction to JavaScript, JavaScript variables, operators, Conditional and loop statements in JavaScript, Functions and Arrays in JavaScript. TLP: Power Point Presentation, Chalk and Talk						
Module-3						
Event Handling and Document Object model in JavaScript, handling strings and working with window object. TLP: Power Point Presentation, Chalk and Talk						
Module-4						
Introduction to AngularJS, Expressions, Modules, Directives, Model, Data binding, Controllers, Scopes, Filters. TLP: Power Point Presentation, Chalk and Talk						
Module-5						
Services, Tables, Select box, Forms, Events, Validations. TLP: Power Point Presentation, Chalk and Talk						
Course Outcomes: At the end of the course, the student will be able to: <ol style="list-style-type: none"> CO 1. Explain the fundamental concepts of web technologies [L2] CO 2. Create web pages using HTML and CSS. [L3] CO 3. Implement user interactive web pages. [L3] CO 4. Demonstrate the single window applications using AngularJS. [L3] 						



ASSESSMENT DETAILS (BOTH CIE AND SEE)

The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing mark for the CIE is 50% of the maximum marks. Minimum passing marks in SEE is 40% of the maximum marks of SEE. A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course if the student secures not less than 50% (50 marks out of 100) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.

CONTINUOUS INTERNAL EVALUATION:

- Two Unit Tests each of 25 Marks.
- Two assignments each of 25 Marks or one Skill Development Activity of 50 marks to attain the COs and POs.
- The sum of two tests, two assignments/skill Development Activities, will be scaled down to 50 marks.
- CIE methods/ question paper is designed to attain the different levels of Bloom's Taxonomy as per the outcome defined for the course.

SEMESTER END EXAMINATION:

- The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 50.
- The question paper will have ten full questions carrying equal marks.
- Each full question is for 20 marks. There will be two full questions (with a maximum of four sub questions) from each module.
- Each full question will have a sub question covering all the topics under a module.
- The students will have to answer five full questions, selecting one full question from each module

List of Textbooks

Suggested Learning Resources:

Books

- Web Programming By Chris Bates , Wiley Publications
- HTML5 Black Book by Dreamtech
- Angular JS By Krishna Rungta

Web links and Video Lectures (e-Resources):

- <https://www.w3schools.com/angular/default.asp>
- <https://www.tutorialspoint.com/angular8/index.htm>

Skill Development Activities Suggested

The students with the help of the course teacher can take up technical activities which will enhance their skill or the students should interact with industry (small, medium and large), understand their problems or foresee what can be undertaken for study in the form of research/testing/projects, and for creative and innovative methods to solve the identified problem. The prepared report shall be evaluated for CIE marks.



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The Correlation of Course Outcomes (CO's) and Program Outcomes (PO's)

SUBJECT CODE: MMC105		TITLE: WEB TECHNOLOGIES					FACULTY: YESHASHWINI BHANDARI K R	
List of Course Outcomes	Program Outcomes							
	P01	P02	P03	P04	P05	P06	P07	P08
CO-1	-	-						-
CO-2			-	-	-			
CO-3			-	-			-	
CO-4			-	-		-		-
Total								

Note: 3 = Strong Contribution 2 = Average Contribution 1 = Weak Contribution - = No Contribution