Semester V Credit Scheme

Sub Code	Subject Name	Teaching Scheme (Hrs.)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW	Tutorial	Total
UCEC501	Operating Systems	03	-	-	03	-	-	03
UCEC502	DataNetworks	03	-	-	03	-	-	03
UCEC503	Theory of Computer Science	03	-	-	03	-	-	03
UCEC504	Advanced Database Management System	03	-	-	03	-	-	03
UCEC505	Software Engineering	03	-	-	03	-	-	03
UCEL501	Operating System Lab	-	02	-	-	01	-	01
UCEL502	DataNetworks Lab	-	02	-	-	01	-	01
UCET503	Theory of Computer science	-	-	01	-	-	01	01
UCEL504	Advanced Database Management System	-	02	-	-	01	-	01
UCEL505	Software Engineering Lab	-	02	-	-	01	-	01
UCEL506	Web Technology Lab	-	02	01	-	02	-	02
UCEA50X	Audit Course	02	-	-	-	-	-	00
Total		**17**	**10**	**02**	**15**	**06**	**01**	**22**

Semester V Examination Scheme

Subject Code	Subject Name	Examination Scheme							
		Theory Marks				Term Work	Practical and Oral	Oral	Total
		#Continuous Assessment (CA)			@ ESE				
		Test	Test 2	IA					
UCEC501	Operating Systems	15	15	10	60	-	-	-	100
UCEC502	Data Networks	15	15	10	60	-	-	-	100
UCEC503	Theory of Computer Science	15	15	10	60	-	-	-	100
UCEC504	Advanced Database Management System	15	15	10	60	-	-	-	100
UCEC505	Software Engineering	15	15	10	60	-	-	-	100
UCEL501	Operating System Lab	-	-	-	-	25	25	-	50
UCEL502	Data Networks Lab	-	-	-	-	25	-	25	50
UCET503	Theory of Computer science	-	-	-	-	25	-	-	25
UCEL504	Advanced Database Management System Lab	-	-	-	-	25	25	-	50
UCEL505	Software Engineering Lab	-	-	-	-	25	25	-	50
UCEL506	Web Technology Lab	-	-	-	-	*25	25	-	25
Total		**75**	**75**	**50**	**300**	**150**	**100**	**25**	**775**

***TW assessment will be based on laboratory work**
#There is no separate head of passing for individual component of CA.

Subject Code	Subject Name	Teaching Scheme (Hrs.)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW/ Practical	Tutorial	Total
UCEL506	Web Technology Lab	-	02	01	-	02	-	02

Subject Code	Subject Name	Examination Scheme							
		Theory Marks				Term Work	Practical and Oral	Oral	Total
		Continuous Assessment (CA)							
		Test 1	Test 2	IA	End Sem Exam				
UCEL506	Web Technology Laboratory	-	-	-	-	25	25	-	50

Course Outcome	After successful completion of the course students should be able to
CO1	Learn the fundamental concepts in HTML and web technologies.
CO2	Identify the need of CSS and JavaScript in web development
CO3	Build static web pages using HTML tags, CSS, and JavaScript.

CO4	Outline the role of various editors for development of web pages .
CO5	Develop the application to store and manipulate data using XML.
CO6	Design the application using server side programming and database connectivity.

Module No.	Unit No.	Topics	Hrs. (Tut. + Lab)
1.0		**Create HTML Forms. Use of various HTML Tag on Web Forms.**	**06**
	1.1	Title: Create HTML Forms. Use of various HTML Tag on Web Forms. Concept: Designing of effective web site, Introduction of different Web Technologies : HTML and Different HTML Tag. Objective: objective of this module is to provide students an overview of the concepts Web Technologies, and HTML. Scope: Designing static client side web page using various HTML tags. Technology: HTML	
2.0		**Use of CSS on HTML Form.**	**08**
	2.1	Title: Use of CSS on HTML Form. Concept: Cascaded Style Sheets Objective: In this module student will learn, defining a CSS and unstaring its purpose different syntax and types of CSS. Scope: Creating web pages and use CSS to control the layout pages. Technology: HTML with Cascade Style Sheet.	
3.0		**Use of Java Script functions on Web Forms and Use of Dynamic HTML Page**	**06**
	3.1	Title: Use of Java Script functions on Web Forms and Use of Dynamic HTML Page. Concept: Scripting Languages, Dynamic web pages Objective: in this lab student will learn how to define client side scripting and understand its advantages and disadvantages. Embedding JavaScript code into HTML document using script tag, and will understand dynamic HTML. Scope: Create animation using JavaScript. Technology: HTML with JavaScript	

4.0		**Creation of Web page with the help of Editor**	**06**
	4.1	Title: Creation of Web page with the help of HTML Editor. Concept: Web development Environment Objective: This module students will learn how will introduce editors for development of web pages. Scope: Development of web pages using any web tool. Technology: Quanta Plus /Aptana /Kompozer	
5.0		**Write an XML file marksheet.xml representing your semester mark sheet**	**04**
	5.1	Title: Write an XML file marksheet.xml representing your semester mark sheet. Concept: Extensible Markup Language (XML) Objective: is to learn about basics of XML and how it can be used to store information away from the mechanism of processing or formatting of such data. Will also learn how to build simple XML files and be able to manipulate and refer to them. Scope: is to creating an XML file in that it must include basic syntax of an XML doc and DTD for the same.	
6.0		**Server side scripting**	**06**
	6.1	Title: Server side scripting. Use HTML form to accept the two numbers N1 and N2 and using PHP program display only prime numbers in between N1 and N2. Concept: Server side scripting, introduction to PHP Objective: this lab gives a basic introduction of to PHP and dynamic programming on the server side. Scope: creating a server side script using PHP, decisions, looping Technology: PHP, HTML	
		Total	**36**

Recommended Books

1. *Ralph Moseley ,M.T. Savaliya "Developing Web Applications ", Willy India, Second Edition , ISBN:9788126538676*
2. *Kogent Learning Solutions Inc, "Web Technology Black Book ", Dreamtech Press, First Edition, ISBN 9787722997*

Term Work:

At least **10** experiments will be conducted based on the course **UCEL506 Web Technology Lab.**

15 marks for experiments based on the course and 10 marks for mini project.

Term work should consist of practical experiments and assignments based on the syllabus of the course**.**

Term work assessment will be based on the overall performance of the student during practical with every experiment graded from time to time. The grades converted into marks as per Grade Table will be added and averaged as final TW marks.

The practical & oral examination will be based on UCEL506 Web Technology Lab.