



NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE PLAN – PART I			
Name of the programme and specialization	B. Tech		
Course Title	Web Technology		
Course Code	CSOE23	No. of Credits	3
Course Code of Pre-requisite subject(s)		Semester	VI
Session	JAN/2023	Section (if, applicable)	
Name of Faculty	Dr. Chandramani Chaudhary	Department	CSE
Official Email	chandramani@nitt.edu	Telephone No.	NIL
Name of Course Coordinator(s) (if, applicable)	NIL		
Official E-mail	NIL	Telephone No.	NIL
Course Type (please tick appropriately)	Elective course		
Syllabus (approved in BoS)			
<p>UNIT I Web Page Designing HTML - List - Tables - Images - Forms - Frames - Cascading Style sheets,* XML Document type definition – XML Schemas,* Document Object model.</p> <p>UNIT II Scripting Java Script - Control statements - Functions - Arrays - Objects - Events - Dynamic HTML with Java Script - Ajax.*</p> <p>UNIT III Web Application Web servers - IIS (XAMPP - LAMPP) and Tomcat Servers - Java Web Technologies - Servlets – Java Server Pages- Java Server Faces - Web Technologies in Netbeans - Building a Web Application in Netbeans - JSF Components- Session Tracking - Cookies.*</p> <p>UNIT IV PHP Programming PHP: Basics - String Processing and Regular Expressions - Form Processing and Business Logic - Using Cookies * - Dynamic Content - Operator Precedence Chart.</p> <p>UNIT V JDBC Database Connectivity with MySQL - Servlets - JSP - PHP,* Case Studies - Student information system – Health Management System.</p> <p>*Programming assignments are mandatory.</p> <p>Text Books 1. Paul J. Deitel, Harvey M. Deitel, Abbey Deitel, “Internet & World Wide Web How to Program”, Fifth Edition, Deitel Series, 2012. 2. Jason Gilmore, “Beginning PHP and MySQL from Novice to Professional”, Fourth Edition, Apress Publications, 2010.</p>			



COURSE OBJECTIVES	
<ul style="list-style-type: none"> Describe basics of Web Designing using HTML, DHTML, and CSS Categories the basics about Client side scripts and Server side scripts Classify web applications List Regular Expressions Create Database connectivity 	
MAPPING OF COs with POs	
Course Outcomes	Programme Outcomes (PO) (Enter Numbers only)
1. Design and develop client side scripting techniques	3,4,6,11
2. Build real world applications using client side and server side scripting languages	3,6,9
3. Design and develop an e-governance application using web technology	3,5,6,9,10,11
4. Design Database connectivity with JSP	2,3,4,6,11
5. Design case study for student Information System and Health Management system	3,6,11,12

COURSE PLAN – PART II			
COURSE OVERVIEW			
In this course, students will learn about the design and implementation of web pages with Python, JavaScript, and SQL using frameworks like Django.			
COURSE TEACHING AND LEARNING ACTIVITIES			(Add more rows)
S.No.	Week/Contact Hours	Topic	Mode of Delivery
1	18/10/2023 to 20/10/2023 2 hours	UNIT I Web Page Designing	Chalk and Talk with PPT Presentation
2	23/0/2023 to 27/0/2023 3 hours	HTML- List - Tables - Images - Forms - Frames	Chalk and Talk with PPT Presentation
3	30/01/2023 to 3/02/2023 3 hours	Cascading Style sheets,* XML Document type definition – XML Schemas,* Document Object model.	Chalk and Talk with PPT Presentation
4	6/02/2023 to 10/02/2023 3 hours	UNIT II Scripting Java Script - Control statements - Functions	Chalk and Talk with PPT Presentation
5	13/02/2023 to 17/02/2023 3 hours	Arrays - Objects - Events -- Dynamic HTML with Java Script	Chalk and Talk with PPT Presentation
6	20/02/2023 1 hour	Ajax	Chalk and Talk with PPT Presentation



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7	21/02/2023 to 24/02/2023 1 hour	Cycle Test -1	
8	27/02/2023 to 3/03/2023 3 hours	UNIT III Web Application Web servers - IIS (XAMPP - LAMP) and Tomcat Servers -	Chalk and Talk with PPT Presentation
9	6/03/2023 to 10/03/2023 3 hours	Java Web Technologies - Servlets – Java Server Pages- Java Server Faces - Web Technologies in Netbeans -	Chalk and Talk with PPT Presentation
10	13/03/2023 to 17/03/2023 3 hours	Building a Web Application in Netbeans - JSF Components- Session Tracking - Cookies.	Chalk and Talk with PPT Presentation
11	20/03/2023 1hour	UNIT IV PHP Programming PHP: Basics	Chalk and Talk with PPT Presentation
12	21/03/2023 to 24/0/2023 1 hour	Cycle Test -2	
13	27/03/2023 to 31/03/2023 3 hours	String Processing and Regular Expressions - Form Processing and Business Logic - Using Cookies	Chalk and Talk with PPT Presentation
14	3/04/2023 to 6/04/2023 2 hours	Dynamic Content - Operator Precedence Chart	Chalk and Talk with PPT Presentation
15	10/04/2023 to 13/04/2023 2 hours	UNIT V JDBC Database Connectivity with MySQL	Chalk and Talk with PPT Presentation
16	17/04/2023 to 21/04/2023 3 hours	- Servlets - JSP - PHP,* Case Studies - Student information system – Health Management System.	Chalk and Talk with PPT Presentation

COURSE ASSESSMENT METHODS (shall range from 4 to 6)

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Cycle Test 1	21/02/2023 to 24/02/2023	1 hour	15
2	Cycle Test 2	21/03/2023 to 24/0/2023	1 hour	15
3	Assignments	13/02/2023 to 15/04/2023	3 hours	20



4	Project	13/02/2023 to 15/04/2023	3 hours	20
CPA	Compensation Assessment*	As per academic schedule	1 hour	15
5	Final Assessment *	As per academic schedule	3 hours	30

***mandatory; refer to guidelines on page 4**

COURSE EXIT SURVEY (mention the ways in which the feedback about the course shall be assessed)

- 1. Students' feedback through PAC meetings**
- 2. Feedbacks are collected before final examination through MIS or any other standard format followed by the institute**
- 3. Students, through their Class Representatives, may give their feedback at any time to the course faculty which will be duly addressed.**

COURSE POLICY (including compensation assessment to be specified)

MODE OF CORRESPONDENCE (email/ phone etc)

Email and Phone

COMPENSATION ASSESSMENT POLICY

- 1. One compensation assessment will be given after completion of Cycle Test 1 and 2 for the students those who are absent for any assessment due to genuine reason.**
- 2. Compensatory assessments would cover the syllabus of Cycle tests 1 & 2**
- 3. The prior permission and required documents must be submitted for absence signed by HoD/CSE.**

ATTENDANCE POLICY (A uniform attendance policy as specified below shall be followed)

- At least 75% attendance in each course is mandatory.
- A maximum of 10% shall be allowed under On Duty (OD) category.
- Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade.

ACADEMIC DISHONESTY & PLAGIARISM

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the



Academic office.

- The above policy against academic dishonesty shall be applicable for all the programmes.

ADDITIONAL INFORMATION, IF ANY

- 1. The Course Coordinator is available for consultation during the time intimated to the students**
- 2. Relative grading adhering to the instructions from the office of the dean (Academic) will be adopted for the course.**

FOR APPROVAL

Course Faculty

CC- Chairperson

HOD



Guidelines

- a) The number of assessments for any theory course shall range from 4 to 6.
- b) Every theory course shall have a final assessment on the entire syllabus with at least 30% weightage.
- c) One compensation assessment for absentees in assessments (other than final assessment) is mandatory. Only genuine cases of absence shall be considered.
- d) The passing minimum shall be as per the regulations.

B.Tech. Admitted in				P.G.
2018	2017	2016	2015	
35% or (Class average/2) whichever is greater.		(Peak/3) or (Class Average/2) whichever is lower		40%

- e) Attendance policy and the policy on academic dishonesty & plagiarism by students are uniform for all the courses.
- f) Absolute grading policy shall be incorporated if the number of students per course is less than 10.
- g) Necessary care shall be taken to ensure that the course plan is reasonable and is objective.