

		<div>School of Engineering & Technology</div> <div>Navrachana University, Vadodara, Gujarat, India-391 410</div> <div>Website: http://www.nuv.ac.in</div>		
Course Code:	CS157	Course Title:	Web Technology	
Course Structure (L T P):			Lecture : 2	Page: 1 of 2
			Tutorial : 0	Year of Introduction: 2016-17
			Practical : 0	Semester : 3
			Total Credits : 2	Level : B. Tech – II
Qualifies for	Advance Web Technology			
Prerequisites	GUI Based Web Design			
Course Description	This course is an introduction to web design and development of website in the information fields. It is designed to provide understanding of basic web development concepts and process, web design best practices, web page creation with X/HTML and CSS, web client-side scripting using JavaScript and server-side. The acquired knowledge will be used in and reinforced by developing a website that aligns to a set of user specified requirements.			
Course Objective	<ul style="list-style-type: none">To teach basic scripting technologies.			
Learning Outcomes	Student will be able to <ul style="list-style-type: none">Make web applications in the given scripting languages			
Course Outlines	Unit I: Introduction 4 Hours HTML: Background of HTML, CSS: Background of CSS, XML: Background of XML.			
	Unit II: JavaScript and JSON 5 Hours JavaScript: JS Data types, Operators, Variables, Functions, Conditionals, Arrays, Objects, JS Events, and JS Forms. JSON: Introduction to JSON, JSON Syntax, JSON data types, JSON Objects, JSON Arrays, JSON Parse, JSON HTML.			
	Unit III: WordPress 5 Hours Overview: Introduction of different Web Technology, What is WordPress, How WordPress Works, Setting up and Installing WordPress: Installation of server, Installation of WordPress, Installation of MY SQL, Website template customization, Website development.			
	Unit IV: MySQL 5 Hours Introduction about Database, Data Types, DML, DDL, Aggregate functions, Data Time functions, Sub query and join, MySQL Introduction, MySQL Connect, MySQL Create, MySQL Insert, MySQL Select, MySQL Where, MySQL Order By, MySQL Update, MySQL Delete, phpMyAdmin.			

	<p>Unit V: AJAX 6 Hours Introduction to Ajax, Setting up and implementing Ajax, PHP and AJAX, AJAX Database, AJAX XML, AJAX Live Search, AJAX RSS Reader, AJAX Poll.</p> <p>Unit VI: jQuery 5 Hours Introduction to jQuery, jQuery effects, jQuery HTML, jQuery AJAX, JQuery Widgets, JQuery Interactions.</p>
<p>Text books and Reference books</p>	<p>Text Books:</p> <ol style="list-style-type: none"> 2. Web Programming Step by Step by Marty Stepp, Jessica Miller, and Victoria Kirst 3. Eloquent JavaScript : A Modern Introduction to Programming by Marijn Haverbeke 4. Beginning PHP5, Apache, and MySQL Web Development by Elizabeth Naramore, Jason Gerner, Yann Le Scouarnec, Jeremy Stolz, Michael K. Glass 5. Developing Web Applications, Ralph Moseley and M. T. Savaliya, Wiley-India <p>References:</p> <ol style="list-style-type: none"> 6. Web Technologies, Black Book, Dreamtech Press 7. HTML 5, Black Book, Dreamtech Press 8. Web Design, Joel Sklar, Cengage Learning