Certificate in Web Design
Course Curriculum

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Course Overview: *This course will teach students how to design website applications using HTML5, CSS3, JavaScript and Twitter Bootstrap. At the end of the course, graduates will be able to take on tasks and job opportunities as Front-End Web Developer.*

DAY	MODULE	OBJECTIVES	TOPICS	HOURS
Day 1	1. Introduction to Websites and Web Design	Understand web sites ,the types of websites and methods of creating them	1. What is a Website? 2. Websites components, domains and urls. 3. Basic client -server concept 4. Types of Websites , 5. How to build websites- methods and options , 6. Responsive webdesign 7. What is HTML? 8. How does the HTML work? 9. HTML Tags and Elements ,Block and Inline Elements	3.0
Day 2	2. Introduction to HTML and DOM structure	Understan HTML as a mark language.Understand DOM as structure of web document	1. HTML atrributes 2. HTML DOM and DOM Structure 3. Website grid system 4. Working with text, images,video,tables,forms 5. Working with Layouts 6. Our first web page	3.0
Day 3	3. Introduction to Style attributes	Use Style attributes to modify elements and tags	1. How to use the Style attributes width , height , color , font size , text alignments ,background,and images 2. Our second webpage using block elements ,and proper style attributes	3.0

DAY	MODULE	OBJECTIVES	TOPICS	HOURS
Day 4	4. Introduction to CSS	Understand and us css to design responsive web layouts or grids	1. What is CSS ? 2. Inline CSS 3. Embedded CSS 4. External CSS . 5. A sample Web section 6. Understanding Borders ,Padding and Margin 7. CSS Box Model 8. CSS box sizing 9. CSS media queries 10. A sample Web Section--Responsive	3.0
Day 5	5. Introduction to BootStrap	Have goo understanding of Bootstrap as precompiles CSS and JS	1. What is Boostrap? 2. Setup your project to use Bootstrap 3. Bootstarp grid system 4. Bootstrap utilities 5. Bootstrap components	3.0
Day 6	6. Working with Bootstrap	Use Bootstrap to build responsive grid	1. Our third web page with Bootstrap	3.0
Day 7	7. Introduction to Javascript	Understand Javascript as a DOM manipulation scripting language	1. What is Javascript? 2. Javascript statements , Key words, Identifiers, Variables, Functions, client and server sided Javascript 3. Inline Javascript 4. External Javascript 5. Embeded Javascript 6. Operators 7. Data and Data types	3.0
Day 8	8. Working with Javascript	Use Javascript to perform interactive DOM operations	1. Functions, Loogical operations, Events and Loops 2. A simple Javascript Calculator 3. Dom manipulation with Javascript 4. Dynamic navigation with Javascript 5. Our Fourth web page with Javascript	3.0
			TOTAL	24