

Software Engineer COURSE SYLLABUS

Modules	Days
Module 1: HTML5	3
HTML Elements & Attributes	
HTML Text and Formatting	
HTML Lists	
HTML tables	
HTML Forms	
HTML Images	
HTML Anchor	
HTML iframes and Meta Tags	
HTML Entities & Symbols	
Module 2: CSS3	3
CSS3 Box Model	
CSS3 Images, Colors, Gradients, Shadows	
CSS3 Text, Font, Typography	
CSS3 2d and 3d transform	
CSS3 Animation	
CSS3 Grid System and Box Sizing	
CSS3 Viewport	
CSS3 Media Queries Responsive	
Module 3: Sass / SCSS	2
Preprocessing	
Variables, Mixins and Operators	
Nesting	
Partials, Imports and Inheritance	

Module 4: JavaScript	5
Overview of JS	
Functions and Recursion	
Conditionals and Iterations	
ES6 Basics	
Typescript	
Module 5: React	5
Introduction	
React Components	
React Router	
State Management	
Next JS	
Module 6: Express JS	5
Introduction	
MVC Architecture	
Templating engine (pug,handlebars)	
Routing and HTTP Request and Response	
Authentication and Middlewares	
Error handling	
Module 7: Mongo DB	5
Introduction	
Understanding NoSQL (schema less database)	
Mongoose	
Update, insert delete and upsert documents	
Aggregation in mongodb	