

SESSION PLAN

UNIT-I

Lecture No.	Topics to be Covered	CO Mapped	Assessment
1	Web Fundamentals: Internet, Intranet and Extranet, web browsers	CO1	
2	web servers, working of search engine. Development Process: Client and Server scripting and languages	CO1	
3	HTML tags, W3C Validation service	CO1	
4	Headers, HTML form elements and designing web forms	CO1	
5	meta tags, CSS and its types, Types of CSS Selectors	CO2	
6	CSS properties, CSS Box Model, CSS Positioning (relative, absolute and fixed)	CO1, CO2	
7	Responsive design with CSS	CO2	
8	HTML APIs – geolocation, drag and drop.	CO2	

SESSION PLAN

UNIT-II

Lecture No.	Topics to be Covered	CO Mapped	Assessment
9	JavaScript: Overview, Syntax, Data types	CO2	
10	Enabling JavaScript, java script variables	CO2	Quiz 1
11	Functions and control statements	CO2	
12	Java Script Arrays	CO2	
13	form validation	CO2	Lab Test1
14	JS objects – Date, Math, String	CO3	

15	Event handling in java script	CO3	
16	JS Browser Object Model – window object, history object	CO3	
17	Navigator object, Screen object	CO3	
18	HTML Document Object Model	CO3	

SESSION PLAN

UNIT-III

Lecture No.	Topics to be Covered	CO Mapped	Assessment
19	Introduction to angular JS	CO3, CO4	Class Test1
20	Features of angular JS	CO4	
21	Architectural concepts and Expressions	CO4	Assignment 1
22	Built-in filters, basic usage of filters	CO4	
23	Introduction to directives	CO4	
24	Angular Controllers	CO4	
25	Modules	CO4	
26	Working with Angular Forms	CO3 CO4	
27	Working with Events	CO3, CO4	
28	Form Validation	CO3, CO4	

SESSION PLAN

UNIT-IV

Lecture No.	Topics to be Covered	CO Mapped	Assessment
29	Introduction to NodeJS, Advantages of Node JS	CO5	
30	Traditional Web Server Model	CO5	Quiz 2
31	Node.js Process Model	CO5	
32	Environment Setup, Node JS console	CO5	Assignment 2
33	Node JS modules and its types	CO5	
34	Functions, Buffer	CO5	
35	Understanding Node event driven framework	CO5	
36	Event Emitter class, Events and Event Loop, Inheriting events	CO5	
37	Node Package Manager	CO5	

SESSION PLAN

UNIT-V

Lecture No.	Topics to be Covered	CO Mapped	Assessment
38	Introduction to MongoDB	CO5	
39	Setting up MongoDB	CO5	

40	Hosting and authenticating into database	CO5	Class Test 2
41	Model Creation	CO5	Lab Test # 2
42	Managing Database Connections	CO5	
43	Performing basic operations – Insert, update, delete, search	CO5	
44	Performing basic operations – Insert, update, delete, search	CO5	
45	Doubt Session		