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S.No.	Sub Topic	Topic	Week no	
	Mentor Introduction			
	Internet and How it Work			
	Web Browser and Browser Engine			
1	What is Static and Dynamic Site	Intro to Web Dev	Week 1	
	What is Client and Server ?			
	Guide towards Frontend and Backend Developer			
	Test on Into to Web Dev			
	Writting First Hello World (Heading and Paragraph)			
	Comments, Tags v/s Elements and Attribute			
	HTML Entities			
2	Introduction to Emmet	Getting Started With HTML and Emmet	Week 2	
	Emmet and Speedy Html			
	Parent Child and Grouping			
	Test on Getting Started With HTML and Emmet			
	Understanding the Formatting Tag	Core HTML	Week 3	
	Inline Element vs Block Level Element			
	List and Anchor Tag			
3	Tables and it Propertis			
	Understanding the Meta tag and it's importance			
	Time Table Project with HTML			
	Test on Core HTML			
	Walkthrought with iframe		week 4	
	Bring in Media (Images , Audio and Video)			
	Forms and it's Importance	Core HTML		
4	All the types of input in forms			
	Test on Media and Forms			
	Difference between HTMl and HTML 5		week 5	
	Semantics and it's importance	Media and Forms		
	Complete Walkthrough of Semantics tags	modia and rome		
	Mini Project using Semantic Tag			
	Working of Margin and Padding			

5	Text and Font in CSS			
	Display, Height and Width in CSS			
	Different Screen Sizes (Media Query)	Modern HTML	week 6	
	Media Query For Different Screen Sizes			
	Explanning CSS Layout			
	Test on More on CSS			
	Introduction to CSS			
6	Different Way to Link CSS to HTML			
	Basic Selector in CSS			
	Advance Selector in CSS (Pseudo)	Starting with CSS	week 7	
	Intro to Google Fonts			
	Color and Background			
	Test on Starting with CSS			
	Working of Margin and Padding			
7	Text and Font in CSS		Week 8	
	Display, Height and Width in CSS			
	Different Screen Sizes (Media Query)	Starting with CSS		
	Media Query For Different Screen Sizes			
	Explanning CSS Layout			
	Test on More on CSS			
	CSS Positions (Part 1)		Week 9	
8	CSS Positions (Part 2)			
	Overflow and Z-Index	Positons in CSS		
	Different CSS Unit	1 ostono in occ	WOOK 0	
	Mini Project using CSS			
	Test on Positions in CSS			
	Flex Box and Why it came into picture?		Week 10	
	Flex Box Properties (Parent)			
9	Flex Box Properties (Child)	Flexbox in CSS		
	Mini Project using CSS Flex			
	Text on Flexbox			
	Grid and How it is Diferrent from Flex			
	Grid Part 1 (Parents)		Week 11	
	Grid Part 2 (Parents)	Grid in CSS		
	Mini Project using Grid			
10	Test on Grid			

	Intro to Version Control System			
	Explanning Git and It's Importance			
	General Command on Git	0" 10" 1	W 1.40	
	Importane of .gitignore	Git and Github	Week 12	
	Walkthorugh with Github and Pushing the Code to github			
	Test on Git and Github			
11	TCP/IP			
	OSI Model			
	HTTP 1, HTTP 2 and HTML 3	Nationalia	Week 40	
	Linux Command	Networking	Week 13	
	Hashing and Encryption			
	Test on Networking			
	Intro to JavaScript			
12	Values and Datatypes		Week 14	
	Varibale and typeof			
	Operators			
	Conditon (If, If-else and If-else-if)	JavaScript Fundamentals - 1		
	Switch Case			
	Loop (While and Do While Loop)			
	For Loop, Break and Continue			
13	Test on JavaScript Fundamentals - 1			
	What is an Array, Index in array and accessing from array			
	Array methods			
	Why and What of Functions and Function Declaration			
	Function with a parameter (Single, and Multiple)			
	Function with unlimited number of parameters	JavaScript Fundamentals - 2	Week 15	
	Arrow Function			
14	Object and Manipulating Object			
	Object methods			
	Test on JavaScript Fundamentals - 2			
	Visualize of DOM and It's Working			
	Methods of DOM - Part 1			
	Methods of DOM - Part 2	JavaScript DOM	Week 16	
15	Methods of DOM - Part 3	oavaooript DOW	vveek 10	
	Project on DOM			
	Test on DOM			

	Exam for Vanilla JavaScript		
	What is Higher Order Function (HOF)		
	Callback, Returning function		
	Setting time (Setinterval, SetTimeout)		
	For each, map, filter		
16	reduce	HOF and Functional Programming	Week 17
	every, find, sort		
	What is regex and Different Character in Regex and importance		
	Writting regex with example		
	Test on HOF and Functional Programming		
	Destructuring Array and Object		
	Spread or Rest Operator		
17	Try and Catch and It's working		
	Defining a classes, Class Instantiation		
	Class Constructor, Default values with constructor		
	Class methods and Properties with initial value		
	getter and setter	Destructuring and Class	Week 18
	Explanning Prototypes		
	How prototypes Work		
18	How we manipulate this using Prototypes		
	Explanning What is Closure ?		
	First Program in Closure and Understanding Clouser		
	Test on Destructuring and Class		
	Promise Constructor		
	Async and Await	Promises	Week 19
	Fetch API	1 Tomises	WOOK 10
19	Test on Promises		
	Exam for Advance JavaScript		
	Monolithic Architecture		
	Microservices Architecture	Patterns	Week 20
	MVC Design Pattern		
	Test on Patterns		
	NodeJs Architecture		
20	NPM init and Package.json		
	Path module		
	FS Module	Fundamentals of Nodeis	Week 21

	OS Module	rungamentals of models	Week 21			
	Events Module					
	Http Module					
	Test on Fundamentals of NodeJS					
21	How to Create Server in Nodejs					
	How to Handle Different URLs					
	What is Express JS and Why we use ExpressJs					
	Different type of NodeJS Frameworks	Walk Through with Express	Week 22			
	Basics of Routes	Walk Hillough With Express	WOOK 22			
	Writting First Hello World using Express					
	PORT					
22	Test on Walk Through With Express					
	Protected Routes					
	Middleware					
	What is ORM (SQL) and ODM (NoSQL)	Fundamentals of Express	Week 23			
	Connecting to RDBMS using ORM (Link)					
	Connecting to MongoDB using ODM					
	Rest API (Why, What and How)					
23	HTTPS Methods					
	Creating Profile (POST)	anun III.n				
	Fetching Profile(s) (GET)	CRUD with Express				
	Update Profile (PUT)					
	Deleting Profile (DELETE)		Week 24			
	Create a simple login API for SignUp and SignIn					
	Authentication and Authorization					
24	Working with environment varibables using .env	Auth with Express				
	What and Why of CORS ?					
	Exam for Understanding Backend					
	Background of React					
	Starter Project with CDN					
	Create react app					
	Why JSX?					
25	Embedding JS expressions in JSX	W. H. d 1 - 222 - 2				
	Conditional Rendering jsx component	Walkthrough With React	Week 25			
	createRoot() & render() methods of react18					
	Props and its uses					
	T					

	State vs props			
	Test on Walkthrough with React			
	useState()			
26	useEffect()			
	How to use .map() to render array & Optimizing lists with key arguments			
	Methods of Conditional rendering			
	React Router DOM (V6)			
	useParams and useRouteError	Router and Hooks	Week 26	
	useContext()			
	useMemo()			
27	useCallback()			
	useReducer()			
	Test on Router and Hooks			
	Form Handling and Validation with Formik & Yup			
	The Problem with Redux	Form Handling	Week 27	
	Redux Toolkit - The New Way of Writing Redux	1 Offit Handring	Week 27	
	Test on Form Handling			
28	Tailwind and Its Concept			
	React with Tailwind Integration	React With Tailwind	Week 28	
	Responsive project with Tailwind		WOOK 25	
	Assignment - 1 (React + Tailwind)			
	Exam for Understanding Frontend			
	Frankrad Davinsk	C4	During Franks 1	
	Frontend Project	Capstone	Project - Frontend	
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