Day wise Agenda for FULL STACK DEVELOPMENT

Full Stack Developer

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 1	Day 1	Introduction To FullStack Technologies	What is Fullstack- What are the Requirements to build End to End Web Application? What are the Challenges in modern web development?	

HTML Font-End

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 1	Day 2	Introduction to Web	Overview of Web And web application, Overview of Mobile and mobile applications, Web VS Mobile, Web Designer vs HTML Developer	
	Day 3	Core concepts of HTML	Elements and Attributes: 1) Tags 2) Introduction 3) Types, Single Tags / Empty Tags / Void Tag / Self Enclosing Tag, Paired Tags, Semantic Tags, Non Semantic Tags, Elements, Introduction, Types, Inline elements, Block Level, Inline, Block, Attributes, Introduction, Types, Predefined Attributes, Global Attributes, Style, Id, Class, Element Specific Attributes, src, alt, type, Custom / User Defined Attributes	
Day 2	Day 4	Important Tags	1) Text tags - Headings<h1>---<h6>, Paragraph, Lists, Ordered List, Unordered List, Definition ListTables, article, aside, 2) Graphic Tags - Image Tag, Figure tag 3) Links - Anchor, Internal linking(Within Project), External Linking(from our project to external pages), (#)Hash Based navigation(With-in page) 4) Multimedia Tags - Audio, Video 5) Layout Tags - Div, Section, Header, Main, Nav, Footer	
Day 3	Day 5	Forms	1) What is forms and why should we create a forms? Form tags and form attributes - Form, Form attributes, Method, Action, enc-type, Autocomplete, Novalidate 2) Form Elements & form element attributes - Types - Input types, text, password, file, hidden, radio,checkbox, submit(Action Items), reset(Action Items), Textarea, Dropdown Box, select, option, Attributes of form elements, type, name, placeholder, value	
	Day 6	HTML 5	1) HTML5 Features with Examples - New structural elements <article> ,<header>,<footer>,<nav>, <section>,and<figure>New from control calendar, date,time,email,url,search Javascript enhancement	
Day 3	Day 6	HTML 5	New HTML5 APIs, HTML Geolocation, HTML Drag And Drop, Web storage, New function for embedding audio(<audio>), video(<video>), graphics(<svg> and<canvas>), Client-side data storage Interactive documents 2)HTML5 validations Attributes	

CSS- Front End

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 4	Day 7	Introduction & Selectors	What is CSSWhy Use CSS?, How is CSS Used?, Creating and Linking a CSS StyleSheet How To Test A Stylesheet Selectors: What is a selector? The Universal/Global Selector The Tag/Element Selector,The ID Selector,The Class Selector,The Attribute Selector, The Relationship Selector,Pseudo Selector,Group Selector,Specificity & When To Use Selectors, What are Properties?, The CSS General Rule	
	Day 8	coloring & formatting, Fonts & text manipulation	Types of Colors - Coloring Text, Background colors, Images/URLs in CSS,Other background Properties, Opacity / Transparency, Gradients Fonts & Text Manipulation: Introduction to types of unitsText Manipulation, Font Size, Bolding & StyleFont Families,Including external fonts W/Google Fonts, Using External Fonts	
Day 5	Day 9	Layout	Introduction, The Box Model, Padding, Border, Margin, Changing Content Size, CSS Borders, Margin & Padding, Float & Display Types	
	Day 10	Flexbox	Introduction, Flexbox Components, Creating a Flex Container, Flex Direction & Wrap, Content Alignment, Flex Item Order, Shrink, Grow & Basis, The 'Flex' Property, Item Alignment	
Day 6	Day 11	Grid	Grid vs Flexbox, Introduction, Differences, Creating a Grid, Template Columns & Rows, Justify & Align Grid, Row & Column Gaps, Column & Row Lines,Grid Area	
	Day12	Animation & Transitions, Media Queries	The Transitions Property, Transform property, Creating Animations w/Keyframes, Adding an Animation, Animation Properties Media Queries in css - Introductions, properties	

Project 1 - Individual project on HTML & CSS

Bootstrap - Front End

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 7	Day13	Introduction to BootStrap	1)What is Bootstrap 2)History of Bootstrap 3)Versions of Bootstrap 4)Popularity of Bootstrap 5) Bootstrap Documentation - Installing Bootstrap Locally, Install or adding Bootstrap via Cdn link, Adding Javascript cdn link	
	Day14	Layout & Components	1) BreakPoints - Extra small, Small, Medium, Large, Extra large, Extra extra large 2) Containers - container- fluid, container 3) Columns - column, row 4) Gutter - Horizontal gutter, Vertical gutter, Row column gutter, No gutter 5) Margins 6) Padding 7) Components in Bootstrap	
Day 8	Day15	Utilities	1)Background 2) Colors 3) Display - none, inline, inline-block, block, grid, flex, inline-flex 4) Float - float-start, float-end 5) Position - position-static, position-relative, position-absolute, position-fixed, position-sticky	
	Day16	Flex	1) Direction - flex-column, flex-column-reverse, flex-row, flex-row-reverse 2) justify-content - justify-content-start, justify-content-end, justify-content-center, justify-content-between, justify-content-around, justify-content-evenly 3) align-items - align-items-start, align-items-end, align-items-center, align-items-baseline, align-items-stretch 4) flex-fill 5) flex grow & shrink	
Day 9	Day17	Grid	1) Grid options - Extra small (xs), Small (sm), Medium (md), Large (lg), Extra large (xl), Extra extra large (xxl) 2) Containers and rows 3) Column 4) Responsive Breakpoints	

Javascript - Front End

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 9	Day 18	Introduction to Javascript	1) What is Javascript? Use of javascript? 2) Trend of Javascript? 3) Types of Implementing Javascript? - Inline, Internal, External 1) What are the Datatypes? Example for each one of them? 2) Variables & Constants? 3) What is Hoisting? 4) Alert, Prompt and Confirm Modals	
Day 10	Day 19	Operators	Operators : 1)What is Operators? 2)Types of Operators? 3) Examples Decision Making : 1) What is decession making? 2) Types of Conditions? 3) Examples for each one of them? Loops : 1) What is loops? Usage? 2) Types of loops? 3) Entry controlled vs exit controlled loops 4) Examples for each one of them	
	Day 20	DataStorage Techniques & DOM Manupulation	1) What are the types of data storage? 2) Data Structures in JavaScript? 3) Strings & Methods 4) Mutable and Immutable Strings/Objects	
Day 11	Day 21	DataStorage Techniques & DOM Manupulation	1) Arrays & Methods 2) Objects & Methods	
	Day 22	DataStorage Techniques & DOM Manupulation	1) Array of Objects? 2) Object configuration and properties 3) Writable and Enumerable Objects 4) Object Clone	
Day 12	Day 23	DOM & Dom Manupulations	1) What is DOM & Dom Manupulation Metthods? 2) Types of DOM Manupulation Methods? Dom Selectors, getelementById(), getElementByTagName(), getElementByClassName(), querySelector(), querySelectorAll(), Adding Css using Javascript : document.getElementById ('idvalue').style.property = 'value';, Classlist, addClass, removeClass, InnerHTML,Document.write() vs innerHTML	
	Day 24	DOM	Attaching Event, addEventListener(), Detaching Event, removeEventListener(), Manupulating Elements, createElement(), appendChild(), removeChild(), replaceChild() Adding Css using Javascript - document.getElementById('idvalue').style.property = 'value';, Classlist, addClass, removeClass, InnerHTML, Document.write() vs innerHTML Manupulating Attributes, setAttribute(), removeAttribute()	
Day 13	Day 25	Functions	What are Functions in JavaScript? When and where to use Functions? 6 Ways of declaring Functions	
	Day 26	Functions	Arrow Functions Advantages and Disadvantages Immediate Invoke Function Declare Function as Class/Expression setTimout and setInterval Generator Functions Anonymous Functions Reusable Functions Function Advantages and Disadvantages	
Day 14	Day 27	Forms & Events	1) What is forms and validations? 2) Events and Event handling - Types of events, Keyboard events, keyup, keydown, keypress(deprecated), Mouse events, click, dblclick, hover, mouseover, mousemove, mouseleave, contextmenu, Form events, submit, blur, focus, reset, change, Page events, load, scroll, resize	

Weekend	Weekday	Topic		Sub Topic		Lab Session
Day 14	Day 28	Forms & Events		What is event Bubling And Capturing? Event loop Event Lifecycle		
Day 15	Day 29	Forms & Events		Types of form validations - field validations - form validation Regular expressions - form validation using regex - form validation without regex		
	Day 30	Error Handling		1) What are the types of errors in JS? syntax errors, type errors, assignment errors, reference errors, others 2) How to handle the errors? 3) What is exception handling? try block, catch block, finally block, throw block, custom error messages		
Day 16	Day 31	OOJS		1) Object oriented Principles Data abtraction, Data Encapsulation, ES5, Object Literal, Object Constructor, Es6+, Classical, Polymorphism, Operators Overloading, Function Overloading, Inheritance, Types of inheritance Js Supported Types Example- Es5, Prototypal Inheritance, Es6+, Classical Inheritance		
	Day 32	OOJS		Getter and Setter Spread and Rest Operators Ajax Call in JavaScript		
Day 17	Day 33	OOJS		Closures Race Condition		
	Day 34	ES6 Concepts		Strict Mode Module Export and import Block Scoping Template literals		
Day 18	Day 35	JSON		Call Backs, Async Await and Promises Call, Apply and Bind		
	Day 36	Asynchronous JavaScript & Es6+ Features		JSON Structure JSON Parse and Stringify ES5 vs ES6		
Day 19	Day 37	HTML 5 Features		HTML5 Canvas HTML5 Web API's HTML5 Geo Tags, Drag and Drop		
	Day 38	HTML 5 Features		Web Storage – Local vs Session Overview of PWA Web Service Workers Browser Tools – Chrome, Firefox and Edge		

Presentation Session-2 / Practical Case Study Analysis by students

GIT

Weekend	Weekday	Topic		Sub Topic		Lab Session
Day 20	Day 39	GIT		Fast introduction to GIT commands,Simple Rebase Example,Setup for rebasing conflict, Abort a Rebase,Rebase Conflict and Resolution,Pull with Rebase (GitHub)		

Project 3 - Group Project using HTML ,CSS ,BOOTSTRAP,JAVASCRIPT

Core Java - Back End

Weekend	Weekday	Topic		Sub Topic		Lab Session
Day 20	Day 40	Java Introduction		Introduction To Java Java History Why Java		

Core Java - Back End

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 21	Day 41	JVM, Class & Objects	JVM Class, Objects, Data Types Variables Type Casting	
	Day 42	OOPS	Object Oriented Programming Concepts - Abstraction, Encapsulation	
Day 22	Day 43	OOPS	Polymorphism, Inheritance Java Coding Standards	
	Day 44	Java Coding standards	Package – Creating package, naming package, Java Keywords, Module resolution declaration merging Access Specifiers – Public, Private, Protected, Default, Static Concept – Block, Variable, Method, Class, Scanner Class	
Day 23	Day 45	Control Statement	Control Statement – If, If…else, Nested if…else and SwitchCase - Flow Statement- for, while, do..while "· Constructor- Default, Parameterized, Inheritance, Extends, super and this keyword Serialization, Transient, Exception Handling "· Exception Handling- try, catch, throw, throws, finally	
	Day 46	Exception Handling	Method Overloading, Method Overriding, Interface, Abstract Class, Garbage Collection, Marker Interface	
Day 24	Day 47	String Concept	String Concept, String Basics, String Methods, String Buffer, String Builder	
	Day 48	Collection Framework	Custom Immutable Class, Collection Framework, Collection Basics,Iterator Interface, Methods of Collection Interface, List(Array List,Linked List and Vector)	
Day 25	Day 49	Set & Map	Set(Hash Set,Tree Set), Map(Hash Map, Tree Map, Hashtable), Collection Framework Advance Concepts, Comparable Interface	
	Day 50	Comparator	Comparator Interface, Collections class, Differentiate Comparable and Comparator Java Enum, Date Concept, File Handling Concept, File Handling Basics	
Day 26	Day 51	Folder & File	Create Folder, Create File- .txt. .pdf, .xlsx, .docs, etc, Write File Read File, Delete File	
	Day 52	Thread	Thread 1.Concept, Lifecycle, 2. Extends Thread, 3.Implement Runnable Interface 4. Thread Priorities, 5. Thread Methods	
Day 27	Day 53	Thread Synchonization	Thread Synchronization 1. Synchronization 2. Object Locking 3. Inter Thread Communication	
			Practical Case Study Analysis by students	
Day 27	Day 54	JDK	JDK 1.8.0 New Features with Hands-on 1. Lambda Expression 2. Functional Interface	
Day 28	Day 55	JDK Contd.	3. Default Method in Interface 4. Static Method in Interface 5. Method References	
	Day 56	JDK Contd.	6. Date Time API 7. Stream API 8. Collectors For each Loop 10. String Joiner Class 11. Parallel Sort 12. Optional Class	
Day 29	Day 57	JDBC	2) J2EE 2.1) JDBC 1) JDBC Introduction 2) JDBC Architecture 3) Database Overview 4) JDBC Basics 5) Mysql 6) Create Database 7) Create Table	
			Practical Case Study Analysis by students	

Core Java - Back End

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 29	Day 58	My SQL	8) Insert, Update, Delete, 9) Truncate, 10) SQL Join 10.1) Inner Join, 10.20 Left Outer Join	
Day 30	Day 59	My SQL Contd.	10.3) Right Outer Join 10.4) Full Outer Join, 11) Aggregate Function - MIN, MAX, AVG, SUM, CIOUNT	
	Day 60	My SQL Contd.	12) SQL HAVING Clause, 13) GROUP BY, 14) ORDER BY, 15) SQL Aliases, 16) SQL LIKE Operator	
Day 31	Day 61	My SQL Contd.	17) SQL In, 18) SQL Between, 19) SQL Null Values, 20) SQL TOP, 21) SQL LIMIT	
	Day 62	My SQL Contd.	22) SQL Stored Procedures, 23) Java Application Using JDBC Connectivity, 24) Handling SQL Exceptions	
Day 32	Day 63	My SQL Contd.	25) DriverManager, 26) ResultSet, 27) Connection, 28) Statement, 29) Prepared Statement, 30) Collable Statement	
	Day 64	My SQL Contd.	31) DB Connectivity Steps, 32) Store Image in SQL, 33) Read Image in SQL 34) SQL Queries using SQLYog	

Practical Case Study Analysis by students

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 33	Day 65	JDBC	35. JDBC CRUD Application	
	Day 66	Servlet	2.2 Servlet 2.2.1 Servlet Basics 2.2.2 Need of Server Side Programming 2.2.3 Servlet LifeCycle 1 Init()	
Day 34	Day 67	Servlet Contd.	2 Service() 2.1 doGet() 2.2 doPost() 3 Destroy() 2.2.4 Servlet Hello World Application, 2.2.5 Web.xml Structure	
	Day 68	Servlet Contd.	2.2.6 Servlet Directives- include(), forward(), sendRedirictive() 2.2.7 HttpServletRequest, HttpServletResponse in Servlet 2.2.8 Servlet and JDBC Integration"	
Day 35	Day 69	Servlet Contd.	2.2.9 Servlet, HTML5, MySQL, Tomcat using Real Time Login Application	
	Day 70	JSP	2.3 JSP 2.3.1 JSP Basics 2.3.2 Creating dynamic Web content with JSP 2.3.3 Scriptlet 2.3.4 Declaration	
Day 36	Day 71		2.3.5 Servlet, JSP, MySQL, Tomcat Login Application	
	Day 72		2.3.6 Servlet, JSP, MySQL, Tomcat CRUD Application	

Presentation Session-3 / Practical Case Study Analysis by students

Project 4 - Group Project using Frontend(HTML,CSS,JS,Bootstrap) and Backend(Core Java, Advanced Java, JDBC,SERVERLETS and MYSQL)

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 37	Day 73	Hibernate	3. FRAMEWORK 3.1. Hibernate - 1. Hibernate Introduction 2. Hibernate Basics 3. Hibernate Architecture 4. Hibernate Session 5. Hibernate Session Factory 6. Hibernate Configuration	
	Day 74	Hibernate Contd.	7. Hibernate Configuration Offline 8. Hibernate with HBM 9. Hibernate with Annotation 10. Hibernate Validator 11. Hibernate CRUD"	
Day 38	Day 75	Hibernate Contd.	12. Hibernate Association Mapping - 1. One to One Mapping 2. One to Many Mapping 3. Many to One Mapping 4. Many to Many Mapping	
	Day 76	Hibernate Contd.	13. Hibernate Aggregation 14. Hibernate Named Queries 15. Hibernate Native SQL 16. HQL- Hibernate Query Language	
Day 39	Day 77	Hibernate Contd.	17. Hibernate HQL- Criteria Query Language	
	Day 78	Hibernate Contd.	18. Hibernate Application with Mysql DB-CRUD 19. Diff. save(), saveOrUpdate(), update(), ' persist() and merge() 20. Diff. get() and load() 21. Hibernate vs. JPA	

Core Java - Back End

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 40	Day 79	Hibernate Contd.	22. Hibernate Application with Mysql DB, JSP-User Interface-CRUD	
	Day 80	Spring Framework	Spring Framework	
Day 41	Day 81	Spring Framework Contd.	5.1 Singleton 5.2 Prototype 5.3 Request 5.4 Session 5.5 Global-Session 6. Auto wiring	
	Day 82	Spring MVC	7. Spring Annotations 3.3. Spring MVC 1.Spring MVC Basics 2. Spring MVC Hello World Application 3. Spring MVC Restful Web Services Basics, 4. Spring MVC without Maven, 5. Spring MVC with Maven"	
Day 42	Day 83	Spring MVC Contd.	6. Maven basics 7. Spring MVC Application Deployment 8. Spring MVC Application Deployment Log files 9. Spring MVC WAR File Creation Steps	
	Day 84	Spring MVC Contd.	10. Spring, Hibernate, Mysql, Maven- CRUD Operation	
Day 43	Day 85	Spring MVC Contd.	11. Java, Spring, Spring Security, Algorithm, Hibernate, Maven, Mysql Integration Application	
	Day 86	Spring Security	3.4. Spring Security 1. Spring Security Basics 2. Spring Security Features 3. Spring Security Authentication 4. Spring Security Encryption, 5. Password Encryption by using Spring Security "	
Day 44	Day 87	Spring Security Contd.	6. Spring Security Login Form 7. Spring Security Authentication 8. Spring Security Maven Dependency	
	Day 88	Spring Security Contd.	9. Spring Security CRUD- Signup and Login Application	
Day 45	Day 89	Spring Boot	3.5. Spring Boot 1. Spring Boot Introduction 2. Spring Boot Basics 3. Why Spring Boot 4. Spring Boot Features"	
	Day 90	Spring Boot Contd.	5. Main Goal of Spring Boot 6. Creating Project- Spring Initializer 7. Spring Boot Hello World Application 8. Spring Boot Devtool Dependency- Spring Boot – How to Reload Changes Without Restarting the Server	
Day 46	Day 91	Spring Boot Contd.	9. Spring Boot Actuator 10. Spring Boot Build Systems 11. Spring Boot Code Structure 12. Spring Boot Runners 13. Spring Boot Tomcat Port Number 14. Spring Boot with RESTFul Service 15. Spring Boot with Logger	
	Day 92	Spring Boot Contd.	16. Deploy Spring Boot Applications on External Tomcat Server 17. Spring Boot – Common Application Properties (application.properties) 18. Spring Boot, Hibernate with ' RESTFul Web Service 19. Spring Boot, Spring Data with RESTFul Web Service	
Day 47	Day 93	Spring Boot Contd.	20. Spring Boot, Hibernate CRUD Application 21. Spring Boot, Spring Data JPA CRUD Application 22. Spring Boot, Spring- JDBCTemplate CRUD 23. Spring Boot, Hibernate, MySQL, Project Lombok CRUD Application	
	Day 94	Spring Boot Contd.	24. Spring Boot with XML Payload using Postman API 25. Spring Boot with JSON Payload using Postman API 26. Spring Boot CORS Support"	
Day 48	Day 95	Spring Boot Contd.	27. Java QR Code Generator Basics 28. Spring Boot QR Code Generator Hands on Session 29. Spring Boot QR Code Reader Hands on Session"	
			Practical Case Study Analysis by students	
Day 48	Day 96	JPA	3.6. Spring Data - JPA - 1. Spring Data JPA Basics 2. Spring Data JPA Introduction 3. Spring Data JPA Architecture 4. Spring Data JPA application.properties file 5. JPA Repository	
Day 49	Day 97	JPA Contd.	6. CRUD Repository	
	Day 98	JPA Contd.	7. Spring Boot, Spring Data JPA CRUD using Postman API 8. Spring Boot, Spring Data JPA, Project Lombok CRUD using Postman API Hands on Session	

Core Java - Back End

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 50	Day 99	Junit	3.7. JUnit- Mockito Framework	
	Day 100	JDBC	3.8. Spring- JDBCTemplate 1. Spring- JDBCTemplate Introduction 2. RowMapper 3. Builder4. Spring Boot, JDBCTemplate using Postman API Hands on Session	
Day 51	Day 101	Web Services	4. WEB SERVICES 4.1. SOAP Web Service 4.2. RESTful Web Service	
	Day 102	Design Pattern	5. Design Pattern 5.1. Singleton Design Pattern 5.2. Builder Design Pattern 5.3. Factory Pattern 5.4. Abstract Factory Pattern	
Day 52	Day 103	Adapter Pattern	5.7. Adapter Pattern 5.8. Filter Pattern 5.9. Composite Pattern 5.10. Decorator Pattern 5.11. Proxy Pattern 5.12. Iterator Pattern 5.13. Bridge Pattern 5.14. Flyweight Pattern 5.15. MVC Pattern	
	Day 104	Microservices	6. MICROSERVICES 6.1. Microservices Introduction 6.2. Microservices Architecture 6.3. Microservices Project Structure 6.4. Microservices Frameworks 6.5. Spring Boot with Microservices Basics	
Day 53	Day 105	Spring Boot with Microservices	6.6. Spring Boot with Microservices Coding Standards 6.7. Spring Boot with Microservices Builder Design Pattern6.8. Spring Boot with Microservices QR Code Generator 6.9. Spring Boot, Hibernate, Maven, MySQL CRUD Application- POSTMAN AP I6.10. Spring Boot, Spring Data- JPA, Maven, MySQL CRUD Application- POSTMAN API	
	Day 106	Spring Boot with Microservices Contd	6.11. Spring Boot, Spring Data- JDBCTemplate, Maven, MySQL CRUD Application 6.12. Spring Boot, ORM, Microservices with Project Lombok 6.13. Spring Boot, CORS, Spring Data[JDBCTemplate], Microservices CRUD with Project Lombok Using React JS"	

React

Serial no.		Module	Syllabus	Duration
Day 54	Day 107	React Introduction	What is React? React Project Setup/React BoilerplateVariables and DatatypesNode, Module, Package, Node Package Manager(NPM)Create React App	
	Day 108	React Basics	Virtual DOM?Loops, Operator and Conditions?Array and String Methods	
Day 55	Day 109	JSX	1. What is JSX Element 2. Commenting a JSX element 3. Rendering a JSX Element 4. Style and className in JSX 5. Injecting data to a JSX Element"	
	Day 110	Components	Big picture of components JavaScript function vs Class Creating React Component Class Component Functional Component How to create Reusable Components	

Day 56	Day 111	Props	Props in Functional Component What is props? Props object Destructuring props propTypes defaultProps How to share data between components using Props"	
	Day 112	State	What is State in React How to set state in Functional Component How to set state in Class Component How to reset the State in class/functional	
Day 57	Day 113	Navigation	What is React Router ? BrowserRouter Route Switch NavLink Nested Routing Redirect Prompt	
	Day 114	Forms	Form input fields Form Data Binding Form Validations Styling Forms	

React

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 58	Day 115	Material UI	UI Components Installing and integrate Material UI Theme, color, fonts and background UI Lists, Tables and accordion	
	Day 116	API Request	Async Request in React - Axios/Fetch How to do HTTP/API request? GET, POST, PUT and Delete using Axios and Fetch	
Day 59	Day 117	LifeCycle Hooks	Functional component Lifecycle hooks Class component Lifecycle hooks Refs and useContext"	
	Day 118	React Essentials	ES6 vs ES5 React code React Events What are keys in React Higher order Components Style Properties in React Component	

React Angular Frontend Advance

Weekend	Weekday	Topic	Sub Topic	Lab Session
Day 60	Day 119	Ngrx/Redux Overview	NgrX state management in Angular Redux and Flux in React ngRx vs Redux vs Flux Sample State implementation in Redux"	
	Day 120	Unit Testing	Karma/Jasmine/Jest How to create sample test case How to write and execute unit test case How to ignore or run particular test case	
Day 61	Day 121	Debug and Build	Chrome Development Tools IDE - VsCode Debugging Console Log Debug Extensions for React How to build React Project What is Webpack and its alternatives? Build optimization techniques"	