**Core Java**

1. Introduction
2. Installation
3. Programming Elements
4. First Application
5. Data Types
6. Operators
7. Control Statements
8. Access Modifiers
9. Wrapper Classes
10. Packages
11. OOPS
12. Object Casting
13. Exception Handling
14. Multi-Threading
15. Garbage Collection
16. Inner Classes
17. Java I/O
18. File Handling
19. String Handling
20. Reflection API
21. Arrays
22. Collection Framework
23. Map Interface
24. JDK 8 Features
25. JDK 10, 11 Features

**Advanced Java**

* **JDBC (Java Database Connectivity)**
  1. Introduction to JDBC
  2. Establishing Connection to Database
  3. Statement
  4. PreparedStatement
  5. CallableStatement
  6. ResultSet Interface & Metadata
  7. Batch Updates
  8. Transaction Management
* **Servlet**
  1. Introduction
  2. Developing and Deploying Servlet Apps in Different Servers using Generic Servlet
  3. Developing Servlet
  4. ServletRequest & ServletResponse
  5. ServletConfig
  6. ServletContext
  7. HttpServlet
  8. HttpServletRequest & HttpServletResponse
  9. HTML to Servlet Communication
  10. Servlet to Database Communication
  11. RequestDispatching
  12. Redirecting
  13. Attributes
  14. State and Session Management
  15. URL Rewriting
  16. Hidden Form Fields
  17. Cookies
  18. HttpSession
  19. Filters
  20. Listeners
  21. Annotations in Servlet Programming
  22. Authentication and Authorization (Security in Servlet Programming)
  23. Error Handling in Servlet & Working with Welcome-file
  24. JSP (Java Server Pages)
  25. Introduction & JSP Tags
  26. Scripting Elements & JSP Implicit Objects
  27. Directives
  28. Standard Actions
  29. Using Java Bean in JSP
  30. Expression Languages with JSTL Introduction
  31. Working with JSTL
  32. Custom Tags
  33. MVC Architectures
  34. Deploying Project using MVC

**Oracle**

1. DB Fundamentals
2. RDBMS
3. Oracle Introduction
4. DDL
5. DRL
6. DML
7. Functions
8. Integrity Constraints
9. Joins
10. Sub Queries
11. Transactions
12. Views
13. Indexes
14. PL/SQL
15. Error Handling
16. Procedures
17. Functions
18. Triggers

**HTML**

1. Web - Introduction & Internet Based Services
2. Introduction to HTML
3. Presentational or Formatting Tags
4. HTML Images
5. Anchor Tag
6. HTML - Tables
7. Lists
8. Frames & Div Tag
9. HTML Forms
10. HTML Form Controls
11. HTML5
12. HTML5 Canvas
13. HTML5 Graphics (2D and 3D Effects)
14. HTML5 SVG & Canvas
15. Multimedia
16. HTML5 Geolocation (Deeper Integration with JavaScript)

**JavaScript**

1. What is Scripting Language?
2. The History of JavaScript
3. More in JavaScript
4. JavaScript Operators
5. JavaScript Condition Controls
6. JavaScript Looping Control Statements
7. Arrays
8. Functions
9. JavaScript Object Basics
10. Time Date Math
11. JavaScript - Errors & Exceptions Handling
12. JS OOPs
13. JS HTML DOM
14. Events in JavaScript
15. Regular Expressions
16. JavaScript Window Object
17. JavaScript History Object & Cookies
18. Web Hosting (Live Web Site)

**ReactJS**

1. React Introduction
2. React Essential Features And Syntax
3. React Components, Props And State
4. Styling Components
5. Debugging React Apps
6. React Component Life Cycle
7. React Hooks
8. React Component In Details
9. HTTP Requests / Ajax Calls
10. React Routing V5 And V6
11. React Forms And Form Validation
12. Deploying React App To The Web
13. React Redux
14. React Material UI
15. Error Handling
16. New Features Of React 18
17. Unit Testing In React
18. Webpack Primer
19. Server-Side Rendering With React
20. Deploying On Cloud

**Spring Boot & Microservices**

1. Introduction to Spring Boot
2. Building Spring Boot Application
3. Rest Annotation with In-Memory Database & CRUD Operations
4. Rest Annotation with Relation DB
5. JPA Repository Concepts
6. Actuator Concepts
7. Spring Boot Custom Logging
8. Spring Boot Profile Components
9. Auto Configuration
10. Thymeleaf Concepts
11. Integration with Spring Web
12. Spring Boot Security
13. Database Concepts
14. Core Concepts
15. Microservices
16. Microservices Design Considerations
17. Spring Cloud
18. Spring Cloud Config
19. Netflix
20. Fault Tolerance Concepts
21. API Gateway
22. Messaging Queue Concepts (CloudBus)
23. OAuth2 Concepts
24. Swagger API
25. Cloud Hosting

**Tools**

1. GIT
2. GitHub
3. Jenkins
4. Docker
5. Datadog
6. JUnit
7. Mockito
8. Jmeter
9. Maven
10. Jira
11. SonarQube
12. SLF4J
13. ELK
14. Heroku
15. Chef