

CFP Learning Hours		
Sno	Topics	Approximate Hours
1	Software Engineering	8
2	SE UML	10
3	SQL	20
4	PI SQL	16
5	Core Java 8	50
6	Log4j	5
7	Junit	5
8	Jdbc	10
9	UI(Html,CSS,Bootstarp)	8
10	Java Script	12
11	Servlet	30
12	Jsp	15
13	Coding Standards	5
	Total	194

Day #	Module	Topic	Sub Topics	Learning Content	Practice Environment
Day 1 - 2	Software Engineering	Software Engineering	1. Introduction to Software Engineering 2.SDLC Phases 3.SDLC Models – Water fall,V-model, iterative,Incremental, Spiral 4. Over view of Agile model & Agile	https://en.wikipedia.org/wiki/Systems_development_life_cycle https://www.tutorialspoint.com/sdlc/sdlc_overview.htm https://www.guru99.com/software-development-life-cycle-tutorial.html https://www.youtube.com/watch?v=I2reaH_FyMs&list=PLV8vIYtIdSnaT3WCO9fhtZyjnxb74wm	
Day 3 - 4	Designing	UML	1.UML Basics 2.UML Modeling 3.Notations 4.UML Constructs concepts 5.Type of All UML Diagrams & Usage	https://www.tutorialspoint.com/uml/index.htm https://www.geeksforgeeks.org/unified-modeling-language-uml-introduction/ https://www.guru99.com/uml-tutorial.html https://www.youtube.com/watch?v=gUEizau0-UQ&list=PLWPIrh4EWFpF9Gbnua_DdF4ITHSN6MSsk	https://online.visual-paradigm.com/diagrams/pricing/
Day 5 - 12	DataBase	Oracle	1.DB Basics 2.ER Models 3.Normalization 4.DDL 5.DML 6.DCL 7. Data Dictionary tables	https://www.oracletutorial.com/oracle-basics/ https://www.javatpoint.com/oracle-tutorial https://www.guru99.com/pl-sql-tutorials.html https://www.youtube.com/watch?v=0NLsJQCvKXY&list=PLL_LQvNX4xKwbz1aJe0RofbT9YeJH9huQ https://www.youtube.com/watch?v=y2CICRujsVw&list=PLWPIrh4EWFpGKVoAXc4EjgaV4jbAyLxe	https://livesql.oracle.com/apex/f?p=590:1000 https://apex.oracle.com/en/learn/getting-started/ https://sqlzoo.net/ https://www.w3resource.com/sql-exercises/
		PL/SQL	1. Introduction to PL/SQL 2. Anonymous Blocks 3. Flow Control Statements 4. Exceptions Handling 5. Cursors 6. Store Procedures & Functions 7. Packages 8. Triggers	https://www.oracletutorial.com/plsql-tutorial/ https://www.guru99.com/pl-sql-tutorials.html https://www.tutorialspoint.com/plsql/index.htm https://www.youtube.com/watch?v=J5wjf4gdq4&list=PLWPIrh4EWFpHj0KkqYudPNORGEa0FFIr https://www.youtube.com/watch?v=rbarR4_gaH8&list=PLL_LQvNX4xKyIExzq9GKwORoh6nvaRnOQ	https://livesql.oracle.com/apex/f?p=590:1000
Day 13 - 2	Programming	Core Java	1.Fundamentals(Operators,Control Statements) 2.OOPS 3. Abstract classes Interfaces 4. Access modifiers 5.Exceptions Handling 6.Collections Frameworks 7. Multi Threading 8.IO,Serialization 9.Java 5,6,7,8 Features	https://docs.oracle.com/javase/tutorial/index.html https://www.journaldev.com/7153/core-java-tutorial https://howtodoinjava.com/ https://www.mkyong.com/tutorials/java-8-tutorials/ https://www.youtube.com/watch?v=hBh_CC5y8-s https://www.youtube.com/watch?v=r59xYe3Vys&list=PLS1QuWo1RlbfTjQvTdj8Y6yyq4R7g-AI https://www.youtube.com/playlist?list=PLd3UqWTnYXOnjGmyD3zblkyLXP15-6w0	https://www.codechef.com/ide https://app.codility.com/programmers/lessons/1-iterations/
			Multithreading & Cuncurrency	https://howtodoinjava.com/java-concurrency-tutorial/ http://tutorials.jenkov.com/java-concurrency/index.html https://www.vogella.com/tutorials/JavaConcurrency/article.html	
Day 23	Logger	Log4J	Logger Frameworks Architecture Types of Logging Log4j	https://howtodoinjava.com/log4j/ https://www.tutorialspoint.com/log4j/index.htm	
Day 24	Junit	Junit4	1.Unit Testing 2. Junit 3. Test Case 4. Test Suites	https://junit.org/junit5/docs/current/user-guide/ https://howtodoinjava.com/junit-4/ https://www.baeldung.com/junit https://www.youtube.com/playlist?list=PLqg-6Pq4ITTa4ad5JISViSb2FVG8Vwa4o	
Day 25 - 2	Jdbc	Jdbc	1. Introduction to JDBC 2. Types of drivers 3. DriverManager 4. Types of Statements 5. Result Set & Scrollable Result Set 6.Transactions 7. Database & ResultSet Metadata	https://docs.oracle.com/javase/tutorial/jdbc/basics/index.html https://mkyong.com/tutorials/jdbc-tutorials/ https://howtodoinjava.com/jdbc-tutorials/ https://www.tutorialspoint.com/jdbc/index.htm https://www.youtube.com/watch?v=OlqKbHqXcXs&list=PLW6EIkALVON4hs9JtpTFY5_31g2yPh6di	
Day 27 - 3	UI	UI (HTML5, CSS3, JavaScript)	1. HTML Basics tags 2. Form elements 3. Html 5 features	https://www.w3schools.com/html/ https://www.tutorialspoint.com/html/index.htm https://www.javatpoint.com/html-tutorial https://www.tutorialspoint.com/html5/index.htm https://www.youtube.com/watch?v=eOQXwtsxh3M&list=PL0ggi_UIVzQeKb142QJ2OUI2A1IKT11RP	https://html-online.com/editor/
			1.CSS Basics 2.CSS 3	https://www.w3schools.com/css/default.asp https://www.tutorialspoint.com/css/what_is_css.htm https://www.tutorialspoint.com/css/css3_tutorial.htm https://www.youtube.com/watch?v=GvUTqsAm9vE&list=PLamqHyWseJOLiISZ3WDS1Ky-uU5yjrOk	

Day #	Module	Topic	Sub Topics	Learning Content	Practice Environment
			1.JS Basics 2.Function 3.DOM manipulation 4.Events 5.Form Validations	https://www.w3schools.com/js/default.asp https://www.javatpoint.com/javascript-tutorial https://www.geeksforgeeks.org/javascript-tutorial/ https://www.youtube.com/watch?v=le-URjBhevE&list=PLWKjhJtqVAbk2qRZtWSzCIN38JC_NdhW5	
Day 31 - 36	JavaEE	Servlet	1. Introduction to JavaEE 2. Introduction to Servlet, Generic Servlet & Http Servlet 3. Servlet Life Cycle 4. Http Request & Response Handling 5. Servlet Config & Context 6. RequestDispatcher 7. Http Session Management 8. Listeners & Filters	https://docs.oracle.com/javaee/6/tutorial/doc/bnafd.html https://www.geeksforgeeks.org/introduction-java-servlets/ https://www.javatpoint.com/servlet-tutorial https://www.tutorialspoint.com/servlets/index.htm https://www.youtube.com/watch?v=b42CJ0r-1to&list=PLE0F6C1917A427E96	
Day 37 - 39		JSP	1. Introduction to JSP 2. JSP Life Cycle 4. JSP Scripting Elements 5. JSP directives 6. JSP Standard Actions 7. JSP Custom Tags 8. JSTL	https://www.guru99.com/jsp-tutorial.html https://www.journaldev.com/2114/servlet-jsp-tutorial https://www.tutorialspoint.com/jsp/index.htm https://www.youtube.com/watch?v=b42CJ0r-1to&list=PLE0F6C1917A427E96	
Day 40	Coding Standards	Coding Standards	Coding Standards Coding Principles Best Practices Coding Practices Dos and Don'ts	https://developer.ibm.com/tutorials/i-perry-writing-good-java-code/ https://medium.com/@rhamedy/a-short-summary-of-java-coding-best-practices-31283d0167d3	

Software		
Sno	Name	Download
1	Jdk 8	https://www.oracle.com/java/technologies/javase-jdk8-downloads.html
2	Oracle 11g	https://www.oracle.com/database/technologies/xe-prior-releases.html
3	Browser Chrome	https://www.google.com/chrome/
4	Eclipse IDE Oxygen	https://www.eclipse.org/downloads/packages/release/oxygen/3a/eclipse-ide-java-ee-developers
5	Tomcat 9	https://tomcat.apache.org/download-90.cgi
Hardware		
1	Java	https://www.java.com/en/download/help/sysreq.xml
2	Oracle 11g	https://docs.oracle.com/cd/B28359_01/install.111/b32006/reqs.htm#BCFDACBF
3	Tomcat 9	http://tomcat.apache.org/tomcat-9.0-doc/appdev/installation.html