

NO	Syllabus	Importance	Time(hr)
1.	Basic Java	Mid	20
2.	Database fundamentals	Mid	30
3.	Introduction to MicroService architecture	Mid	10
4.	Java Generics	Low	2
5.	Functional Programming in Java	High	10
6.	Java IO	Low	2
7.	Java Reflection API	Low	2
8.	Java Annotations	Mid	2
9.	Multithreading and Concurrency	Mid	10
10.	JDBC	Low	1
11.	Java Messaging Services (JMS)	High	6
12.	Clean Code	High	4
13.	IDE tips and rapid development tricks	Low	2
14.	Software architectural patterns(DesignPatterns)	Mid	4
15.	TDD(Test Driven Development)	High	10
16.	Maven	High	4
17.	Hibernate	High	10
18.	Dependency Injection and <b>IOC with Spring Framework</b>	High	4
19.	Data Serialization (JSON, Protobuff, MsgPack)	Low	1
20.	Building a Spring Boot Web App	High	10
21.	Introduction to Thymleaf	Low	2
22.	Spring Framework Configuration	High	6
23.	External Properties with Spring(Spring Could Config)	Mid	4
24.	JPA Data Modeling with Spring and Hibernate	High	4
25.	CRUD Operations with Spring MVC	High	10
26.	Validation and Constraints with Spring MVC	Low	2
27.	Using MySQL with Spring	Low	2
28.	Spring Data MongoDB	Mid	10
29.	Troubleshooting Spring	High	4
30.	Spring Security	Low	4
31.	Git	High	6
32.	CI/CD	Low	2
33.	Docker for developers	Low	4
34.	Working with Containers and Images	Mid	2
35.	Kubernetes for developers	Low	2