



We are offering IT Training and Campus Recruitment Training
to help fresher to get dream jobs.



Java Full Stack Development

Course Duration: 150 Days

SNO	TOPICS
1	Basic understanding of programming 1. What is programming language (types, uses) 2. Fullstack development process 3. Github 4. Stackoverflow 5. Linux + Windows (Basic Commands, setup, installation of softwares) 6. IDE
2	Core Java 1. Java Fundamental Terms 2. Token 3. Operators 4. Input and Output Techniques 5. Control Flow Statements 6. Array 7. Array of Array 8. Programming Practice 9. String 10. StringBuffer and StringBuilder 11. String Tokenizer 12. Object Oriented Programming 13. Packages 14. Wrapper Classes 15. Lambda Function 16. Regular Expression 17. Exception handling 18. Java.io package 19. Multithreading 20. Collection 21. JUnit 22. DateTime API 23. Fundamental of SQL 24. JDBC 25. Core Java Project Development
3	SDLC



	1. Agile
	2. Scrum
	3. Team Work
	4. Git
4	Database
	1. SQL basics
	2. DML, DDL & DQL
	3. DDL: create, alter, drop
	4. SQL constraints:
	a. Not null, unique,
	b. Primary & foreign key, composite key
	c. Check, default
	5. DML: insert, update, delete and merge
	6. DQL : select
	7. Select distinct
	8. SQL where
	9. SQL operators
	10. SQL like
	11. SQL order by
	12. SQL aliases
	13. SQL views
	14. SQL joins
	15. Mysql functions
	16. String functions
	17. Char_length
	18. Concat
	19. Lower
	20. Reverse
	21. Upper
	22. Numeric functions
	23. Max, min, sum
	24. Avg, count, abs
	25. Date functions
	26. Curdate
	27. Curtime
	28. Now
5	Data strucutre
	1. Revision of core Java
	2. Data structure
MODULE – 2	
SNO	Topics



6	User interface or Frontend
1.	Introduction to frontend
2.	HTML
3.	CSS
4.	JS
5.	JQuery
6.	Bootstrap
7.	Angular
7	JavaEE (Servlet, JSP)
1.	Servlet basics, API and Life cycle
2.	Steps to create a servlet in server
3.	SevletRequest and Collaboration
4.	SevletConfig and ServletContext
5.	Session tracking
6.	Filter
7.	Pagination
8.	JSP basics,API and Life cycle
9.	Scripting elements
10.	Implicit objects
11.	Directive elements
12.	Action elements
13.	MVC
14.	Ajax
15.	Downloading/Uploading
16.	Camera Integration
17.	Map Integration
18.	Project
8	Framework (Hibernate Spring Boot)
1.	Introduction and architecture
2.	Hibernate IDE integration and Lifecycle
3.	Generator class
4.	Log4j
5.	Hibernate Mapping
6.	HQL
7.	HCQL
8.	Caching
9.	SB Architecture
10.	Dependency injection
11.	Spring and Spring boot
12.	Spring STS
13.	Components
14.	SB database



	15.	SB thymeleaf view
	16.	SB Services
	17.	JDBC Template
	18.	Spring MVC
	19.	AOP
	20.	Project Development
9	Deployment (Cloud)	
	1.	Introduction to cloud
	2.	Types of cloud
	3.	Spring boot with cloud
	4.	Project Deployment on cloud