**Core - Java**

* Java Basics – Architecture, operators, data types, condition statements, loop, variables
* OOPs

1. Inheritance
2. Encapsulation
3. Abstraction
4. Polymorphism
5. Aggregation

* Packages and access modifiers
* Exception Handling

1. Checked and unchecked Exception
2. Try-catch
3. Finally
4. Throw
5. Throws
6. Custom Runtime Exception and compile Time Exception

* MultiThreading

1. Life cycle of Thread
2. Creating a Thread
3. Threads Methods
4. Thread Priority
5. Synchronization and types
6. Deadlock

* Arrays and Strings
* Wrapper classes, autoboxing and unboxing
* Collections

1. List
2. ArrayList
3. LinkedList
4. Vector
5. Set
6. HashSet
7. LinkedHashSet
8. TreeSet
9. Map
10. HashMap
11. LinkedHashMap
12. TreeMap
13. HashTable
14. ConcurrentHashMap

Spring:

* IOC container
* Dependency Injection
* Bean
* Autowiring
* Qualifiers
* Annotations
* Spring boot crud operations - POST, GET, PUT, DELETE Mappings
* Entity designing
* Hibernate Anotations
* Hibernate mappings – oneToOne, manyToOne, OneToMany, ManyToMany
* Hibernate joining multiple tables and columns
* Enum Mappings
* Jpa repository
* Jpa anotations
* Jpa queries
* Jpql queries
* SQL -native queires
* Db connections with mysql
* Spring Profiles
* Bean creation
* Spring boot Exception’s handlings
* Swagger ui Doc
* Actuators
* POST MAN
* GIT version control tool
* Lombok
* Maven build tool
* Tomcat server

Junit with Mockito unit testing