**Java 8:**

* Functional Interface
* Lambda Expression
* Stream API
* Static method and Default Methods
* Optional Classes.

**Spring: Student Application, Employee Application**

* 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
* Actuators
* Bean creation
* Spring boot Exception’s handlings
* Swagger ui Doc
* POST MAN
* GIT version control tool
* Lombok plugin
* Maven build tool
* Tomcat server

**Junit Testing:**

**Mockito framework:**

**Microserices**: Ecommerce

* Zuul API Gateway
* Eureka server-client
* Rest Template
* Spring cloud sleuth – distribution loggings
* Zipkin server

Softwares:

Spring tool suite/Eclipse Enterprise edition/ Intellij Idea

MySql Workbench

PostMan

Java JDK 11