

# **FRAMEWORKS**

Prerequisite knowledge training

1. Knowledge of framework
2. Understanding of DTO and DAO design patterns
3. Understanding of JDBC problems.

Hibernate contents

1. CRUD operations using hibernate.
2. Understanding of ORM problems.
3. Implementation of JPA
4. Understanding of hibernate components
5. Hibernate configuration and mapping
6. Knowledge of session and transaction
7. Working with hibernate query language
8. Understanding of hibernate cache
9. Knowledge on connection pool
10. Integration with Web application

Spring contents

1. Knowledge on application design
2. Understanding of spring projects and modules
3. Knowledge of spring core container
4. Understanding of spring containers

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5. Knowledge of spring bean life cycle
6. Spring bean scopes
7. Spring xml and annotations
8. Spring Web module to develop Web applications
9. Spring mvc architecture
10. Spring integration with ORM

#### Post training

1. Understanding of MVC architecture
2. Integration of spring and hibernate with MVC
3. Project module development