

لیست سمینارهای درس مهندسی نرم افزار ۱
دانشگاه بناب - گروه مهندسی کامپیوتر - ترم ۹۴۱ - مهندس ایرانی

Main Topic	Details	Presentation Week	Extra Grade	Min No. of Team	Max No. of Team
Java Annotations	Java Annotations, Annotation Types (Field, Method, Class), with complete examples What is Bean Validation 1.1 (Complete) and how can we use it in our projects? Examples: @Entity, @Transactional and etc.	Week 3	10	1	1
JSF 2.2	What is JSF, Managed Beans, Scope Types with complete example, faces-config.xml JSF Architecture, JSF lifecycle, Simple CRUD with JSF, JSF Tags, JSF Validation (Syntax), Ajax with JSF	Week 3	10	2	2
JPA 2.1 + Eclipselink	JPA Introduction, JPA Architecture, ORM Components Eclipselink Installation, CRUD with JSF and JPA, Relationships between Entities JPQL, Named Queries	Week 4	10	2	2
Maven 3.3.3	Content List from: http://www.mkyong.com/tutorials/maven-tutorials/	Week 5	15	2	2
JPA 2.1 + Hibernate	Hibernate Architecture, Configuration, Session, OR Mapping Hibernate Installation, CRUD with JSF and JPA Hibernate HQL, Caching, Batch processing, Interceptors	Week 6	15	2	2
PrimeFaces 5.2	Overview, Installation, and Setup Input components with example, Tabs, Accordions, Panels Data Tables, Menu, Charts, Ajax, Theming, CRUD with PrimeFaces and JPA Eclipselink	Week 7	5	2	2
DAO Pattern with JPA	What is DAO, do we need DAO with JPA, DAO Architecture GenericDAO Interface, Abstract DAO Implementation, DAO Interfaces, DAO Classes CRUD with PrimeFaces and JPA Eclipselink and DAO Classes	Week 8	---	1	1
Java Transactions	ACID Concepts, Introduction to Java Transactions How to manage Transactions in 3 Layers Architecture CRUD and Business Logic with PrimeFaces, JPA Eclipselink and DAO and Transactions	Week 8	5	1	1
Java AA: Apache Shiro	Architecture, Data Model (ER)	Week 9	---	1	1
Java AA: Spring Security	Authentication, Login Page, Encryption Methods. Authorization Methods, Authorization APIs	Week 9	5	1	2
Java AA: Picketlink	Add to a complete project	Week 10	10	2	2
Farsi Dates and Calendars	How to use and convert Shamsi Dates to Gregorian Dates and vice versa. How to use a farsi Calendar in UI with JavaScript and get it's data into Managed Beans How to save farsi dates in Database	Week 11	---	1	1
Jasper Report	Installation, Configuration, Lifecycle Designing, Filling, View and Print, Data Sources, Variables, Section, Groups, Styles, Fonts Unicode Support, Scriptlets, Charts, Crosstabs, All of them with Examples Web Projects Supports, with a good example	Week 11	10	2	2
Java Logging: Log4J	Installation, Configuration, Architecture Logging Levels, Logging Methods, Logging Formats, Logging in Files and in Database	Week 12	5	1	1
Java Logging: SLF4J	Complete web based example	Week 12	5	1	1
JAX-RS	Basic Concepts with example, Annotations with example Download files, Upload Files, Working with JSON	Week 13	10	1	2
JAX-WS	Common Errors A complete example	Week 13	10	1	2
JUnit	Content List from: http://www.tutorialspoint.com/junit/	Week 14	10	1	2
Git	Content List from: http://www.vogella.com/tutorials/Git/article.html	Week 15	25	2	2