

## Corporate Training

---

Do you have a group of employees who would want to be PMP certified or learn Java , J2EE or maybe get SCJP certified ?

**We have the perfect program for you. It is perfect because it is "Tailorable".**

---

We will customize our program to fit your unique need. So if you have a project where you need your team to be highly effective in J2EE technologies, or you have a group of IT enthusiasts who are interested in learning Java and expand their skills or you want your Project Managers to get PMP certified to improve their effectiveness and efficiency -- then our corporate training program might sound interesting to you.

We offer flexible hours - weekends or weekdays. Let us know your need and we will fit it into our program. We can work out exciting group rates for your employees too.

Read on about the various training programs.

But remember, we can customize this even further - we can arrange a 8 hour session on Risk Management or a 10 hour session on JSP, Servlets and EJB.

## Integrated J2EE Course – 2 days



### **Introduction to J2EE**

- Client Server architecture
- 2 Tier/3 Tier/n Tier architecture
- Web Server
- Application server

### **JSP and Servlets**

- Different Kind of Servlet
- Servlet Life Cycle
- GET versus POST
- Different between Servlet and JSP
- Servlet Filter
- JSP implicit Object
- JSP tags/JSTL tag
- Web Application Components and Web.xml
- Web application packaging

- Web Application deployment on Web Server

#### **EJB**

- What is EJB
- Different Kind of EJB
- EJB Life Cycle
- Home/Local/Remote Interface
- JNDI
- EJB Packing
- EJB Deployment in Application Server

#### **XML**

- XML vs. HTML
- Different between XML well form ness vs. validity
- DTD and Schema
- Different purser (SAX/DOM) and their difference
- XQuery/XSLT

#### **Summary Session**



---

#### **Summary session for Day 1**

- Review of important concepts
- Question and Answer sessions
- Discussion

#### **Java Messaging Service**

- Different Component of JMS
- Different Type of JMS Model (P2P/Publisher Subscriber)
- Different part of Message
- Different type of Message
- Message Driven Bean

#### **Struts and Hibernate**

- MVC Architecture
- ActionServlet/ActionForm/Action
- struts-config.xml
- Struts Tag lib
- Hibernate vs. EJB
- Hibernate Configuration File
- Session vs. SessionFactory
- Hibernate Relationship

### Miscellaneous Topics

- Application packaging (ANT/Maven)
- Different Command of ANT
- What is Maven, different between ANT and Maven
- J2EE design pattern (MVC/Front Controller/Intercepting Filter/Composit View)
- SOAP and Web Service

*NOTE: All topics will be supported by going through relevant and adequate hands-on during the training session*

## PMP 2 day course



### Schedule for the weekend

	Saturday	Sunday
<b>8 am</b>	Registration and Introduction Introduction to PMP Examination format Application process Questions.	Quality Management
<b>9 am</b>	Project Lifecycle, Organization Framework and Processes	HR Management
<b>10am</b>	Integration Management	Communications Management
<b>11am</b>	Quiz	Quiz
<b>12noon</b>	Lunch break	Lunch break
<b>1pm</b>	Scope Management	Risk Management
<b>2pm</b>	Time Management	Procurement Management
<b>3pm</b>	Cost Management	Quiz
<b>4pm</b>	Summary Session	Ethics and other topics
<b>5pm</b>	Quiz	Summary Session
<b>6pm</b>	Discussion and Questions	Discussion and Questions



### What comes with the course?

1. Student Kit – Folder , pen , marker
2. PMBOK 3rd edition
3. Course material – specially designed for effective learning

## What's not included?

---

1. PMI Membership fees
2. PMP Examination fees

## How do we get started?

---

- If you are not sure where to begin, email us at [training@adventumtechnologies.com](mailto:training@adventumtechnologies.com) and we will get back to you.
- From the moment you register for the course through our website, we will help you prepare your application for PMI.
- If PMI audits your application, we will help you prepare for the audit, too.
- If PMI rejects your application, we will return 100% of your course fee.
- Attend our training class.
- Our classes are typically held at local hotels. Classes begin sharply at 8 am and continue till 6pm. But we will stay back after 6pm – to work with you. We understand that you will absorb too much information and will need answers to many of your questions.
- We will work with you – REST ASSURED. – TILL YOU GET CERTIFIED.

## What happens after the session?

---

- It all begins after the course is over. YES, we do realize that – we have been there before.
  - And we will be there to answer your questions, clear your doubts, explain concepts if you need us to. And all this – at NO EXTRA COST.
  - If for any reason, you didn't pass your PMP at the first attempt - we will prepare a personal training program that will suit your needs. Moreover – you can join our next session FOR FREE.
-



## Incentives for being PMP Certified

---

- We have incentives if you pass your PMP within 30 days of completing your course.

**Visit our promotions page for more details.**

## Java Course – 2 days

---



### Day 1 Course Schedule

---

#### **JAVA and OOPS**

- What is JAVA
- OOPS Principle
- Type of Java Application
- Class/Object/Method/Variable
- Identifier and its naming convention
- Inheritance/Polymorphism/Data Encapsulation

#### **Java Basics and Access Control**

- Package and java source file content
- Class access specifies
- Abstract/final/strictfp class
- Method/Class Variable Access Specifies
- Class Variable/Method Non Access Specifies
- Interface
- Constructor and its flow
- VarArgs
- Arrays
- Enum

#### **Primitive Types/Operator/Assignment**

- Different Primitive types and primitive type size
- Conditional Construct and loop construct
- Break/Continue/Return/Exit statement
- Labeled break/continue
- Unary/Binary/ternary operator
- Primitive assignment/Object Assignment
- Pre increment and Post increment operator
- Instanceof Operator
- Boolean operator (&&, ||, &, |, ^,!)

#### **Basic object oriented programming in java**

- Designing Classes
- Attributes, fields, constants, global
- Static block and Initialization block
- Variable Shadowing
- Static method vs. Non-static methods
- Encapsulation
- Polymorphism
- Inheritance
- Pass by value vs. pass by reference
- Abstract Classes
- Interfaces
- Method over-loading
- Method over-riding/co-variant over-riding
- Mixing of over-loading and over-riding
- Wrapper classes
- Boxing and Unboxing
- Parameter Widening
- Var args method and var args constructor

#### Java APIs

- String/StringBuffer/StringBuilder
- Date/Calendar
- Formatting
- Regular expression/Scanner/Pattern/Matcher
- Properties
- ResourceBundle



## Day 2 Course Schedule

---

---

#### Collection Framework and Generics

- Role of equals and hashCode in Collection Framework
- Comparator vs. Comparable interface
- Collection Framework Hierarchy
- Ordered/Un-ordered/Sorted/Un-sorted Collection
- Different Type of Collections
- Type safe vs. type unsafe collection
- Inheritance with type safe collection
- Generic method/class/interface/constructor

#### File IO/Serialization

- File I/O APIs and their Hierarchy
- Reading and writing of file
- Serialization
- Externalization

### **Threading**

- Process vs. Thread
- Main Thread
- Defining of thread
- Thread class vs. Runnable interface
- Thread state
- Thread methods
- Static and non static method Synchronization
- Synchronization block
- wait/notify/notifyAll method in Synchronization

### **Exception handling**

- Error vs. Exception
- Exception Hierarchy
- Checked and unchecked exception
- try/catch/finally block
- Exception handling rule for Method overloading and overriding
- JVM exception vs. programmer exception
- Assertion

### **Inner Class/JVM memory usage/java commands**

- Type of inner class
- Garbage Collection
- Java Commands



Email us at [training@adventumtechnologies.com](mailto:training@adventumtechnologies.com)