



Software Engineering

JEE 7 | J2SE | MCTS | ASP.NET 4.5 | SQL
2012 | C# 4.5 | ANDROID | WEB DESIGNING
| PHP My SQL | ADVANCE PHP | INS

■ MCTS Certifications:

MCTS certifications provide the foundation for Microsoft Certification. These certifications are designed to help validate your skills on the features and functionality of key technologies. You can show your depth of knowledge in one specific technology, earn multiple MCTS certifications to show breadth across different technologies, or build on the MCTS to earn one of our Microsoft Certified Professional Developer (MCPD) certifications.

▶ Module 1:

Programming in HTML5 with Javascript and CSS3(Exam 70-480)

This module provides an introduction to HTML5, CSS3, and Javascript. This module helps students gain basic HTML5/CSS3/Javascript programming skills. This module is an entry point into both the Web application and Windows Store apps training paths. This module focuses on using HTML5/CSS3/Javascript to implement programming logic, define and use variables, perform looping and branching, develop user interfaces, capture and validate user input, store data, and create well-structured applications.

▶ Module 2:

Developing ASP.NET 4.5 MVC Web Applications(Exam 70-486)

In this module, students will learn to develop advanced ASP.NET MVC application using .NET Framework 4.5 tools and technologies. The focus will be on coding activities that enhance the performance and scalability of the Web site application. ASP.NET MVC will be introduced and compared with Web Forms so that students know when each should/could be used.

▶ Module 3:

Developing Windows Azure and Web Services (Exam 70-487)

In this module, students will learn how to design and develop services that access local and remote data from various data sources. It helps to learn how to develop and deploy services to hybrid environments, including on-premises servers and Windows Azure.

■ Microsoft Certified Solutions Developer (MCSD)

MCSD Certification is the most wanted IT Certification in Web Programming. After passing out the above 3 exams from Microsoft, you will get the MCSD Certificate from Microsoft directly. This Certification proves your knowledge in Web Application Development and it is very much useful in interviews and showing your proficiency.

▶ MVC 4

ASP.NET MVC 4 is a framework for building scalable, standards-based web applications using well-established design patterns and the power of ASP.NET and the .NET Framework. ASP.NET MVC is a web application development framework built on top of Microsoft's .NET Framework.

▶ Designing and implementing Databases with MS SQL Server 2012

SQL stands for structured query language. SQL is a non-procedural language. Non-procedural means that you can state what you want without stating how to do it. IBM was able to demonstrate SQL, which could be used to control relational databases. The SQL implemented by Oracle Corporation is 100% compatible with the ANSI/ISO standard SQL data language.

■ Microsoft Visual Basic .net (VB.net)

"Beginning Visual Basic .NET Databases" teaches Visual Basic .net developers the concepts and skills necessary to write VB.net database applications. I NET touches on database design concepts but focuses on using ADO.net to access and manipulate data in relational databases. While I NET covers all data providers in ADO.net, briefly, the primary objective is to focus on using the OleDb provider for accessing Access databases and the SQL provider for accessing SQL Server databases.

■ PHP/MySQL

PHP (Hypertext Preprocessor) is a scripting language originally designed for producing dynamic web pages. PHP is open software released under the PHP License. PHP is a widely-used general-purpose scripting language that is especially suited for and can be embedded into HTML. It generally runs on a web server, taking PHP code as its input and creating web pages as output. It can be deployed on most web servers and on almost every operating system and platform free of charge.

■ Advanced PHP

This course is intended for anyone looking to expand their current PHP and MySQL knowledge to that of an Advanced PHP Developer. AdvPHP aims to



assist PHP users of all levels to create robust, maintainable applications quickly and easily. Developers who are already familiar with PHP and want to improve their knowledge of advanced development techniques like Joomla, Drupal Wordpress, Codeigniter, Smarty etc.

■ **JAVACertifications:**

▶ **Core Java (Java Standard Edition 7.0 (J2SE 7.0))**

This course provides coverage of the basics of Java language and the technique of object-oriented programming(OOP). In this course, students will learn the fundamentals and syntax of the Java Programming language. Enhanced feature of J2SE 6.0 supports retransformation of class files, instrumenting native methods and appending to class loader search. completion of course will give you a basic understanding of Object Oriented techniques in Java as well as using the IDE's.

▶ **Oracle Certified Java Programmer(OCJP)Certification**

The OCJP Exam is the first in a series of Java Certification exams offered by Oracle and for many it is the first step to get established as a component java developer.It tests the knowledge of java fundamentals and requires in depth knowledge of the syntax and semantics of the language. Achieving the certification provides clear evidence that a programmer understands the basic syntax and structure of the java programming language and can create java technology applications that run on server and desktop systems using J2SE.

▶ **Java2 Enterprise Edition (J2EE)**

Java is one of the leading platforms for developing web applications. Servlets and Jsp allow you to develop robust web applications that will run across multiple web servers and Operating Systems. This J2EE training course provides extensive hands-on experience in developing Enterprise Java Applications. You will learn how to use various technologies in J2EE and use different Frameworks Like, Struts, Hibernate, Spring.

▶ **Oracle Certified Web Component Developer(OCWCD)**

Oracle Certified Web Component Developer is popular and valuable certifications in the Domain of J2EE. OCWCD Certification Exam has occupied a place of its own in the web components(Especially JSP and Servlets) Developer Community.The first step towards OCWCD is OCJP (Oracle Certified Java Programmer) Certification, which is the prerequisite for this exam.The OCWCD Exam tests your knowledge of various aspects of Java Web Components, especially JSPs, Servlets and Java Beans.You need to have a detailed and thorough understanding of issues involving the design, development and implementation of various java web Components.

▶ **Oracle Certified Business Component Developer(OCBCD)**

Oracle certified business component developer for the Java platform, Enterprise Edition 7 has been designed for programmers working on developing server side components on Java 7 platform. It tests the programmers ability to design, develop, assemble, deploy and tests EJB Components as per the EJB 3.0 specifications in the OCBCD Certifications requires you to be a Oracle Certified programmer for the Java Platform (any edition).

Back End Tools- My SQL, SQL Server

■ **Software Testing**

I-net provides the most comprehensive list of courses in software testing and software quality assurance. All software testing and quality assurance training courses are based on the latest industry practices and are updated regularly to reflect current technologies, trends, and issues that are customized to the varied needs of audiences with diverse backgrounds. HP's Quick Test Professional (QTP) is used for teaching automated black box Testing.

■ **Android**

Android is a stack of softwares for mobile devices that include an Operating system, middleware and key applications. This Linux based os is an open source. Most commonly using platform is eclipse and the interface is java. Anyone having a knowledge in it can develope their own applications using an open source 'software deveopment kit'(SDK). In this era, even the laptops are going to be replaced by smart phones and tablet reveals the importance of android.

■ **Web Designing**

The Web Designing module begins with HTML, which is the language used for building Web pages. The CSS (Cascading style sheets) taught as part of the module helps the students to make their Web pages more attractive by defining the appearance and layout of text and other material. After gaining a strong foot hold in HTML and CSS, the students learn Adobe Dreamweaver (Web design software), which is the industry-standard HTML editor that provides a visual interface for creating and editing HTML Websites and mobile apps.

■ **Project Categories:**

Desktop application - Java, C# | Web application - JSP | ASP, PHP, ASP.NET, Servlets | Networking - Java, C# | Enterprise - EJB | Embedded - Java, C# | Front - end tools - Visual Studio 2008, Eclipse 3.2, Netbeans 6.5 | Back end tools - SQL Server, Access, Oracle, MySQL | Embedded systems - Robotics, Zigbee, GSM, RFID, GPS, Device Drivers, Embedded Linux.



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