What task does a Software Tester perform?

- ✓ Designing testing scenarios for testing
- ✓ Designing test procedures and test cases for software testing
- ✓ Conducting the testing as per the defined procedures
- ✓ Analyzing the results, submitting the observations to the development team
- ✓ Designing test scripts that are reusable
- ✓ Participate in walk through of testing procedures
- ✓ Preparing all reports related to software testing carried out
- ✓ Ensuring that all tested related work is carried out as per the defined standards and procedures

How to become a Software Tester?

- ✓ Join **CSTP** (Certified Software Testing Professional) through CMS
- ✓ Get trained through the certified & experienced faculties of CMS
- ✓ You will be evaluated through the robust test engine of CMS post completion of the training
- ✓ You will be awarded a certificate from CMS for successful completion of **CSTP** (Certified Software Testing Professional) track

About Us

We are the Information Technology training division of CMS IT Services Private Limited, an IT company founded in 1976. Valued at $150 million, CMS caters to over a 1,000 large and medium global enterprises in the IT infrastructure management space across the globe. We are ranked among the best hardware, networking, security and storage training institutes in the country. We have:

- Over 50+ training centres
- Over 5000 employees and 200 certified trainers
- Over a million students trained
- More than 100 corporate clients
- ISO certified-design and development centre

We offer IT training programs for students and corporate segments, with a focus on Network Administration, Storage Management, Cloud, Virtualization, Database Administration Technologies, Software Technology like Core Java, Visual Studio, MS SQL, Hibernate and Android.

CSTP

MANUAL TESTING & AUTOMATED TESTING

CERTIFIED SOFTWARE TESTING PROFESSIONAL

SOFTWARE TESTING

CMS IT SERVICES
Talent Development Center

Quint SOLUTIONS

PEARSON VUE AUTHORIZED TEST CENTER

Microsoft Partner
Silver Learning

Microsoft

redhat.

ORACLE WORKFORCE DEVELOPMENT PROGRAM



CSTP (230 Hrs.)

☑ Programming Logic & Flow Charts	08 Hrs.
☑ Introduction to OOPS	12 Hrs.
☑ UML for Modelling Software Projects (Systems)	08 Hrs.
☑ Programming in HTML5 with Java script and CSS3 (70-480)	40 Hrs.
☑ MySQL Fundamentals	08 Hrs.
☑ Core Java Programming	50 Hrs.
☑ Manual Testing	60 Hrs.
☑ Automated Testing with Selenium	32 Hrs.
☑ ISTQB Certification Preparation	04 Hrs.
☑ Corporate Orientation	08 Hrs.

Programming Logic & Flow Charts (08 Hrs.)

- Programming Fundamentals
- Operating System
- Types of Application Programs
- ALGORITHM
- Flow Charts

Introduction to OOPS (12 Hrs.)

- What is Procedural Programming?
- What is Object Oriented Programming?
- Advantages of OOPS over Procedural programming
- What is a class & an Object?
- Member variable (Object Level (instance) variable)
- Static variable (class level variable)
- Local variable
- Object functions (member functions)
- Constructor
- Static functions
- Access specifier – private, protected, default/internal, public
- The basic characteristics of OOPS
- Abstraction
- Interfaces
- What Is a Package or name space?

UML for Modelling Software Projects (Systems) (08 Hrs.)

- Fundamentals of UML
- Identify the evolution,scope and building blocks of UML
- UML Drawing Tools such as Edraw, Dia, etc.
- Structure Diagrams and Behavioral Diagrams

Programming in HTML 5 with Java script and CSS3 (70-480) (40 Hrs.)

- Overview of HTML and CSS
- Creating and Styling HTML Pages
- Introduction to JavaScript
- Creating Forms to Collect and Validate User Input
- Communicating with a Remote Server
- Styling HTML 5 by Using CSS3
- Creating Objects and Methods by Using JavaScript
- Creating Interactive Pages by Using HTML 5 APIs
- Adding Offline Support to Web Applications
- Implementing an Adaptive User Interface
- Creating Advanced Graphics
- Animating the User Interface
- Implementing Real-time Communication by Using Web Sockets
- Performing Background Processing by Using Web Workers

MySQL Fundamentals (08 Hrs.)

- Introduction to RDBMS
- Introduction to MySQL
- Installing MySQL
- DML,DDL/DCL Function

Core Java Programming (50 Hrs.)

Java SE7 Fundamentals

- Introducing the Java Technology
- Thinking in Objects
- Introducing the Java Language
- Working with Primitive Variables
- Working with Objects
- Using operators & decision constructs

Java SE7 Fundamentals

- Creating and Using Arrays
- Using Loop Constructs
- Working with Methods and Method Overloading
- Using Encapsulation and Constructors
- Introducing Advanced Object Oriented Concepts
- Handling Errors
- The Big Picture

Java SE7 Programming

- Java Platform Overview
- Java Syntax and Class Review
- Encapsulation and Polymorphism
- Java Class Design
- Advanced Class Design
- Inheritance with Java Interfaces
- Generics and Collections
- String processing
- Exceptions and Assertions
- I/O Fundamentals
- File I/O with NIO 2
- Threading
- Concurrency
- Database Application with JDBC
- Localization

Manual Testing (60 Hrs.)

- Software Testing Introduction
- Software Development Life Cycle (SDLC)
- Software Testing Life Cycle (STLC)
- Defect Life Cycle
- Software Testing Methodologies & Software Testing Techniques
- Black Box Testing
- Black Box Test Design Techniques
- Types of Functional /Non Functional Testing
- Measurement and Metrics
- Testing Documentation
- Overview of Automation tools
- Test Management Tools

Automated Testing with Selenium (32 Hrs.)

- Introduction to Automation Testing
- Different flavors in Selenium
- Selenium IDE
- Locators & Object Identification
- Java For WebDriver
- Packages
- Selenium WEB-DRIVER
- Sample programs in webdriver
- Working with multiple browsers

ISTQB Certification Preparation (04 Hrs.)

Corporate Orientation (08 Hrs.)

- Soft Skills
- Personality Development
- Expert Talks