

ST Syllabus (20CSP380)

Unit-1	Automation Testing, Frameworks and Tools	Contact Hours:15
Experiment 1	Define a test cases for writing test scripts for any website.	(CO1)
Experiment 2	Define a test script using unit testing framework for addition, subtraction, multiplication and division of two numbers.	(CO1)
Experiment 3	Explain different tools for automations testing.	(CO2)
Unit-2	API Testing and Introduction to Selenium	Contact Hours:15
Experiment 4	Apply a SOAP API testing using SoapUI.	(CO3)
Experiment 5	Demonstrate Rest API testing POSTMAN.	(CO3)
Experiment 6	Analyse the selenium IDE, Install and configure, Firefox, Firebug plug-in, Fire Path.	(CO4)
UNIT-3	Selenium IDE WebDriver	Contact Hours:30
Experiment 7	Explain a test suite using Selenium IDE with minimum 2 test cases.	(CO2)
Experiment 8	Examine a simple test script to validate fields of the registration page (Eg: LinkedIn registration page).	(CO4)
Experiment 9	Develop a test program to login in web page.	(CO5)
Experiment 10	Design a test case to search on google.	(CO5)

Text Book:-

1. “Testing and Quality Assurance for Component-based Software”, Gao, Tsao and Wu, Artech House Publishers 2003.
2. “Handbook of Software Quality Assurance” G. Gordon Schulmeyer, JamesI.McManus, International Thomson Computer Press 2003.

Reference Book:-

1. “Software Quality” Mordechai BenMenachem/Garry S. Marliss, Thomson Learning publication 2013.