



## SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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### Computer Science And Engineering

12/11/2019

#### CIRCULAR

We would like to inform that, Computer Science And Engineering department is about to conduct seven days training program on “Automated Software Testing using Selenium Web Driver” .The interested students are instructed to register their names with Dr. V. Eswaramoorthy , ASP/CSE on or before 31/12/2019 with out fail. Your effective participation is appreciated..

*V.H.S*  
HOD/CSE

## **SYLLABUS**

### **AUTOMATED SOFTWARE TESTING USING SELENIUM WEB DRIVER**

#### **Objective:**

The learner will able to

- Know different type of applications and testing, along with the purpose of automation testing.
- Gain insight into the evolution of Selenium
- Get an overview of Selenium 2.5.3 and its components.
- Compare commonly used automation tool with Selenium automation tools.
- Set up their own environment so that they can start working with Selenium.

#### **Pre-requisites for taking up the course**

- Basic understanding of manual QA Process
- Any programming language experience is desired (JAVA will be preferred)
- Any development integrated environment (IDE) (Eclipse latest version preferred)

#### **Software Requirements:**

- Java – jdk1.8 and above
- Eclipse 4.8.0
- Selenium jar 2.5.3
- Browser – Google Chrome, Mozilla Firefox 47.0.1
- Gecko Driver 0.21.0

#### **Topics:**

##### **Introduction to Software Engineering**

**Hours: 5**

Brief introduction to software systems and SDLC – SDLC Models, Pros and Cons: Waterfall Model, Iterative Model, Spiral Model, Prototyping Model, RAD Model, V model.

##### **Testing and know the different types of Testing**

**Hours: 7**

STLC-Different Kinds of testing -Test Planning-Test documentation-Test Environment set up-Test data-Test cases-Entire Flow/Test Execution-Test Reporting – Metrics –Defects-Traceability Matrix-UAT-Change Management and other miscellaneous topics.

##### **Introduction to Automated Testing**

**Hours: 5**

Automation Testing Basics - An overview for the major functional testing tools - Overview of Test management and bug tracking tools -Introduction to Selenium Automation Testing

##### **Selenium Web Driver**

**Hours: 3**

Download & Install Selenium Web Driver with Eclipse - First Selenium Web driver Script: JAVA Code Example

## **Locators in Selenium**

**Hours: 20**

Locator Types: ID, ClassName, Name, Link Text, Xpath - Find Element and FindElements in Selenium WebDriver - Selenium Form WebElement: TextBox, Submit Button, sendkeys(), click() - Select CheckBox and Radio Button in Selenium WebDriver - Click on Image in Selenium Webdriver - Select Value from DropDownList using Selenium Webdriver - Locate Elements by Link Text & Partial Link Text in Selenium Webdriver - Mouse Click & Keyboard Event: Action Class in Selenium Webdriver - Upload & Download a File using Selenium Webdriver - XPath in Selenium WebDriver - Alert & Popup Window Handling in Selenium WebDriver - How to Handle Web Table in Selenium WebDriver - Handling Dynamic Web Tables Using Selenium WebDriver - Desired Capabilities in Selenium WebDriver - How to Verify Tooltip using Selenium WebDriver - Gecko (Marionette) Driver Selenium: Download, Install, Use with Firefox

## **Exercises**

**Hours: 20**

1. Searching for a Product
2. Registering a new User account
3. Login to the User account
4. Logout from the Application
5. Forgot Password Scenario
6. Adding Items to Cart
7. Purchasing an item by placing an order as a guest user
8. Purchasing an item by placing an order as a registered user
9. And many more

**TOTAL HOURS: 60**

VAC - ATTENDANCE

YEAR/BRANCH/SEM:II/CSE/IV

ACADEMIC YEAR: 2019-2020

S. No.	Register No.	Name	04.01.20	11.01.20	25.01.20	01.02.20	22.02.20	29.02.20	07.03.20
1	922118104001	ARAVINDHAN M	P	P	P	P	P	P	P
2	922118104002	BHUVANA RAJA M	P	P	AB	AB	P	P	
3	922118104003	CHANDRA R	P	P	P	P	AB	P	AB
4	922118104004	DEEPTHI THEJASWIE	P	P	P	AB	AB	P	AB
5	922118104005	DHANUSIYA V S	P	P	P	P	P	P	P
6	922118104006	FAHIMA RIZWANA K	P	P	P	P	P	P	P
7	922118104007	GAYATHRI RS	P	P	P	P	AB	P	AB
8	922118104008	GOKUL S	P	P	AB	AB	P	P	P
9	922118104009	HARI PRASAD M	P	P	AB	P	P	P	P
10	922118104010	HINDUJA M	P	P	P	AB	AB	P	P
11	922118104011	INDHUMATHI M	P	P	P	P	P	P	AB
12	922118104012	JANANI M	P	P	AB	P	P	P	AB
13	922118104013	JANANI M	P	P	AB	AB	P	P	P
14	922118104014	JAYA PRIYA G	P	P	P	P	P	P	P
15	922118104015	JEGAN M	P	P	AB	P	P	P	P
16	922118104016	JOAQUIN RAJS	AB	P	P	AB	P	P	P
17	922118104017	JOTHIKA M	P	P	P	P	AB	P	P
18	922118104018	KEERTHIKA R	P	P	P	P	P	P	P
19	922118104019	KIRTHIKA K	P	P	P	P	P	P	P
20	922118104020	KIRUBHA SHREE V	P	P	P	P	P	P	AB
21	922118104021	KRISHNA V	P	P	AB	P	P	P	AB
22	922118104022	KRISHNA SREE K	P	P	P	AB	P	P	P
23	922118104023	LIVIN IRUTHAYA RAJ P	P	P	P	P	P	P	P
24	922118104024	LOYOLA L	AB	AB	P	P	AB	P	P
25	922118104025	MARI VIGNESH R	P	P	P	P	P	P	AB
26	922118104026	NAGAMANI N	P	P	P	AB	P	P	AB
27	922118104027	NANDHINI S	P	P	P	P	P	P	P

28	922118104028	NANDHINIT	P	P	P	P	AB	P	P
29	922118104030	NAVEENDRANS	P	P	P	P	P	P	P
30	922118104031	NAVEEN KUMAR K	P	P	P	P	P	P	P
31	922118104032	OVIYA PRIYADHARSHI P	P	P	P	P	P	P	P
32	922118104034	POORNA KUMAR R	P	P	P	P	P	P	P
33	922118104035	PRADEEPA R	P	P	P	P	P	P	AB
34	922118104036	PRATHIBA M	P	P	P	P	P	P	AB
35	922118104037	PRIYADHARSHINI V	P	P	P	P	AB	P	P
36	922118104038	PUNITH BABU M	AB	P	P	P	P	P	P
37	922118104041	SAJHARINIKAS	P	P	P	P	P	P	AB
38	922118104042	SAMRITHA ATCHAYA	P	P	P	P	AB	P	AB
39	922118104043	SARANYA S	P	AB	P	P	P	P	P
40	922118104044	SARAVANAKUMARAN	AB	P	P	AB	P	P	AB
41	922118104045	SHERLINE SNEHAM	AB	AB	P	P	AB	P	AB
42	922118104046	SHREEVATHSANNSRP	P	P	AB	P	AB	P	P
43	922118104047	SRIVANI S	P	P	P	P	P	P	AB
44	922118104048	SRUTHIK	AB	P	P	P	P	P	AB
45	922118104049	SUDHANM	AB	P	P	P	P	P	P
46	922118104050	SURIYA KUMAR V	AB	AB	P	P	AB	P	P
47	922118104051	THARUNSHANKAR SSP	P	P	P	AB	P	P	P
48	922118104052	VIGNESH R	P	P	P	P	P	P	P
49	922118104053	VIJAY G	AB	P	P	P	P	P	P
50	922118104054	VIJAYA SUBHA G	P	AB	P	P	P	P	P
51	922118104055	YOGALAKSHMI B	P	P	P	P	P	P	AB
52	922118104701	NAVEEN KUMAR V	P	P	AB	AB	AB	AB	AB
<b>Numer of Students Present</b>			43	45	46	42	36	49	33
<b>No. of Students Absent</b>			9	7	6	10	16	3	19

**CLASS LOG**

DATE	REGISTER NUMBER	TOTAL NO. OF ABSENTEES	TOPIC COVERED	VENUE
04.01.2020	16,24,38,44,45,48,49,50,53	9	Introduction to Python Spyder tool	CSE-LAB-I
11.01.2020	15,21,24,43,45,50,54	7	Python -Data Structure	CSE-LAB-I
25.01.2020	8,9,12,13,46,701	6	Python - Control structures Numpy Packages	CSE-LAB-I
01.02.2020	2,4,8,10,13,16,22,26,44,701	10	Pandas Library	CSE-LAB-I
22.02.2020	2,3,4,7,10,17,24,26,28, 37,42,45,46,50,51,701	16	Data visualization	CSE-LAB-I
29.02.2020	10,24,701	3	Python - Object Oriented	CSE-LAB-I
07.03.2020	3,4,7,11,12,20,21,25,26,35,36, 41,42,44,45,47,48,55,701	19	Python with Database	CSE-LAB-I

*Manjari ef*

PREPARED BY  
(MANJARI G,AP/CSE)

*vishal*  
VERIFIED BY  
(HoD/CSE)

VAC - ATTENDANCE

ACADEMIC YEAR: 2010 2011

YEAR/BRANCH/SEM:III/CSE/VI			VAC - ATTENDANCE												ACADEMIC YEAR: 2019-2020					
S.No.	Register No.	Name	04.01.2020			11.01.2020			25.01.2020			01.02.2020			22.02.2020			29.02.2020		
5	6	7	8	5	6	5	6	7	8	5	6	7	8	5	6	7	8			
1	922117104001	ABISHEK M	P	P	P	P	P	P	P	AB	AB	AB	AB	P	P	P	P			
2	922117104002	AISHWARYA K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
3	922117104003	ANANDA RAJK	AB	AB	AB	AB	P	P	P	P	AB	AB	AB	P	P	P	P			
4	922117104004	ANANDHA KUMAR S	P	P	P	P	P	P	P	P	AB	AB	AB	AB	AB	AB	AB			
5	922117104005	ARJUN M	P	P	P	P	P	P	P	P	AB	AB	AB	P	P	P	P			
6	922117104006	ASHWIN PRABHUA	P	P	P	P	P	P	P	P	AB	AB	AB	P	P	P	P			
7	922117104007	BHARATHI DEVIR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
8	922117104008	BHARATHI VIGNESH J	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
9	922117104010	DEEPIKA K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
10	922117104011	DHESIKA K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
11	922117104013	GAJAPRIYA N	P	P	P	P	P	P	P	P	AB	AB	AB	P	P	P	P			
12	922117104014	HARINAGA PANDIARAJA ND	P	P	P	P	P	P	P	AB	AB	AB	AB	P	P	P	P			
13	922117104016	JEEVA NIVASAN R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
14	922117104017	JEYA DEVI S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
15	922117104018	KANNANG	P	P	P	P	P	P	P	P	AB	AB	AB	P	P	P	P			
16	922117104019	KARANKUMAR M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
17	922117104020	KARUPPASAMY S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
18	922117104021	KAVIYA V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
19	922117104022	KEERTHANA T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
20	922117104023	KHOSHIKA KIRUBA J	P	P	P	P	P	P	P	P	AB	AB	AB	P	P	P	P			
21	922117104025	KOWSHIKAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
22	922117104026	KRUTHIGA M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
23	922117104029	NAVEEN M	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	P	P	P	P			



51	922117104060	VILAYA PRITYAM	P	P	P	P	P	P	P	P	P	P	P	AB	AB	AB	AB	P	P	P
52	922117104061	VISHVANIB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	922117104062	YASHHWANTH BALANA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	922117104701	NAGASURENDRA N	AB	P	P	P	P	P	P	P										
Number of Students Present			48	48	48	48	51	51	51	49	49	49	49	40	40	32	32	40	40	40
No. of Students Absent			6	6	6	6	3	3	3	5	5	5	5	14	14	22	22	14	14	14