

**Govt. of Karnataka, Department of Technical Education**  
**Diploma in Computer Science & Engineering**  
**Sixth Semester**

**Subject: Software Testing Lab**

**Contact Hrs / week: 6**

**Total hrs: 96**

**Note:** Select the programming languages learnt in previous semesters.

(Such as java, PHP, Ruby etc.) .

Testing open source Tools may be used ( Eg. Selenium)

SN	TOPIC
1	Understand The Automation Testing Approach (Theory Concept )
2	Using Selenium IDE, Write a test suite containing minimum 4 test cases
3	Conduct a test suite for nay two web sites
4	Install Selenium server and demonstrate it using a script in Java/PHP
5	Write and test a program to login a specific web page
6	Write and test a program to update 10 student records into table into Excel file
7	Write and test a program to select the number of students who have scored more than 60 in any one subject ( or all subjects )
8	Write and test a program to provide total number of objects present / available on the page
9	Write and test a program to get the number of list items in a list / combo box
10	Write and test a program to count number of items present on a desktop

**References**

1. Testing in 30+ Open Source Tools, Rahul Shende, Shroff Publishers & Distributor Pvt. Ltd, ISBN 13: 9789350231005

( page numbers from 15 to 117 )

2. <http://seleniumhq.org/>
3. <http://sourceforge.net/projects/sahi/>
4. <http://testng.org/doc/index.html>

### Scheme of Valuation

1	Record	05
2	Procedure writing	30
3	Execution	40
4	Results	05
5	Viva Voce	20
	<b>Total</b>	<b>100</b>

### Lab requirements

SN	Item	Quantity
1	Computers	20
2	Internet Connection : Minimum 2 Mbps	Shared for 20
3	Switch – 32 port	01

Open Source Software may be encouraged