

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		L	T	P	L	T	P	Total
MCAL42	Software Testing and Quality Assurance Lab	--	--	2	--	--	1	1
		Examination Scheme						
		Term Work		Practical		Oral		Total
		40		10		10		60

Pre-requisite Course Codes	MCA42	
Course Outcomes	CO1	Apply the fundamental Software Testing techniques, through Manual Testing.
	CO2	To Analyze Automation Testing Tool and observe the benefit for the same.
	CO3	Create test design documents and test reports

Exp. No.	Experiment Details	Ref.	Marks
1	Study of Reviews (Writing Test cases, Testing Framework, Test Document)	1,2	5
2	Construction of CFG & Deriving Test Cases	1,2	5
3	Implementation of Test Cases using Unit Testing, Integration & System Testing	1,2	5
4	State Transition Test, Cause Effect Graphing and Decision Table Technique	1,2	5
5	Study of Automation Tools, □Building Test Cases.	3	5
6	Using Base URL to Run Test Cases in Different Domains	3	5
7	Selenium commands-selenese, Matching Text Patterns, Performance Testing Concepts :Load Testing, Stress Testing	3	5
8	Web Driver Implicit & Explicit Wait, □□Cross Browser Testing, API Testing	3	5
<b>Total Marks</b>			<b>40</b>

#### References :

- [1] Sandeep Desai, "Software Testing Practical Approach", PHI publication , second edition
- [2] Ilene Burnstein , "Practical Software Testing: A Process-Oriented Approach", Springer Professional ,2e
- [3] David Burns, "Selenium 1.0 Testing Tools" ,PACKT publication, third edition.