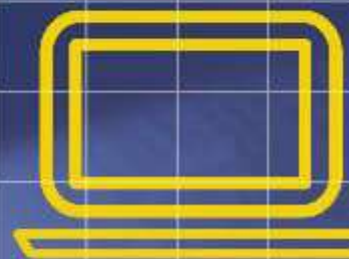


DEPARTMENT OF VOCATION

BVoc Information Technology

Value Added Courses

- Interactive Front End Development
- IT Support Professional
- Web Development Using Visual Studio
- Software Testing Foundations
- Microsoft Azure
- Cyber Security



CMS College Kottayam (Autonomous)

Department of Vocation

B Voc Information Technology

Report – Value Added Course

Title : Software Testing Foundations

Course Code : IT18A1004

Semester : 4

The value added course on Software Testing Foundations talks about fundamental testing concepts and methods. It gives detailed information about the testing process, levels and test cases. Also briefly explained about software engineering and software development life cycle to get a better understanding of why and where testing is needed. Moreover it tells about how to prepare test cases and details about manual testing concepts.

In the session automated testing we gave brief knowledge about java programming and introduction of selenium testing. All remaining sessions were planned as laboratory sessions to practice selenium testing. Assignments based on each module were given and evaluated. A report based on the work done was submitted.



Rhmy
Head of the Department
B.Voc
CMS College, Kottayam (Autonomous)

Course	Details				
Code	IT18A1004				
Title	SOFTWARE TESTING FOUNDATIONS				
Degree	B.VOC Information Technology				
Branch(s)	Computer Science				
Year/Semester	Fourth semester				
Type	Add-on				
Credits	2	Hrs/Week	Hours 6	Total Hours	36

CO No.	Expected Course Outcomes <i>Upon completion of this course, the students will be able to:</i>	Cognitive Level	PSO No.
1	Understand testing in Software development life cycle	U	1,2,3,4
2	Learn to prepare test plans manually and automatically	Ap	1,2,3,4
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Module	Course Description	Hrs	CO. No.
1.0	Software Testing	18	
1.1	Introduction to Software Testing	3	1
1.2	Testing throughout the software development life cycle	3	1
1.3	Testing Process	3	1
1.4	Testing Levels, Types	3	1
1.5	Test case Preparation	3	1
1.6	Manual Testing	3	1,2
2.0	Automated Testing	18	
2.1	Java Programming	5	2
2.2	Introduction to Selenium HQ	5	2
2.3	Test Scenario Description using Automated Testing	8	2

Text Books for Reference

1. Dorothy Graham, Erik Van Veenendaal, Isabel Evans, Rex Black, Foundations of Software Testing, Gaynor Redvers-Mutton, Third Edition. (Module 4)
2. Test Automation Using Selenium Web Driver - Adactin

