



**ACS** College of Engineering  
Approved by AICTE New Delhi, Affiliated to VTU, Belagavi  
(A Unit of RajaRajeswari Group of Institutions)



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### A Report on 2- Days Industry Oriented Workshop on "SOFTWARE TESTING"

**Trainers:** **Mr. Anantha Somayaji,**

Director, UniQval Software Solutions Pvt Ltd.

**Mr. Rajesh Channabasavaiah,**

Business Head, UniQval Software Solutions Pvt Ltd.

**Mr. Ranjith,**

Engineer, UniQval Software Solutions Pvt Ltd.

**Date:** 11/04/2018 & 12/04/2018, Wednesday & Thursday

**Time:** 9.00 AM to 4.00 PM

**Venue:** ECE Department Labs

**Participants:** 23 students from VI Semester ECE.

About the Lead Trainer:

**Mr. Anantha Somayaji,** Founder and CEO of UniQval Software Solutions Pvt Ltd.  
A graduate in Engineering from Mysore University in 1990.

He has worked for IBM India Pvt. Ltd, Mphasis, Satyam Computer Services Limited.

He has over 20 years of experience in IT Industry and in the field of electronics.

In the recent past he was Advisory Software Engineering Manager for software development activities in IBM India Private Limited. He floated about 12 new test teams during his tenure in IBM-Telelogic and was managing 10+ test team for IBM- Rational-Telelogic products.

His works included, development of software on aircraft systems, healthcare, entrepreneurship training, testing on software related to NMS, on PLM enterprise products, Project Management, and applications, on healthcare, Supply Chain Management, managing software testing activities on various IBM Rational Products.

The objective of this workshop was to bring awareness and develop a working knowledge of the needs of the demanding IT sector. Along with developing core competencies it is important to develop a knowledge of working culture and interpersonal skills which was imbibed in this workshop. The target was to focus on industry perspective learning requirements at an early stage in the student's education.



The Lead Trainer Mr. Anantha Somayaji with the participants.





The Workshop in progress under the guidance of the experts.

**TESTIMONIAL BY ONE OF THE PARTICIPANTS ABOUT THE WORKSHOP:**

*The workshop was conducted on 11/04/2018 and 12/04/2018 by Mr Ananth, Mr Rajesh, and Mr Ranjith on the topic based on "Software Testing".*

*I found it useful because, it was a purely a practical session (hands on session) which gave us valuable experience.*

*It was an interactive session, where we felt free to ask doubts and industrial people were friendly, so that we never hesitated to ask doubts.*

*Since it was a practical session (hands on session) we learnt many new things related to*

- ✓ Installing the testing
- ✓ Java development
- ✓ To store data in database
- Hosting and using testing
- ✓ Spic models
- ✓ Waterfalls
- ✓ Kinds of testing etc

*We understood that test technique includes the process of executing a program or application with the intent of finding software bugs (errors or other defects) verifying that the software product is fit for use.*

*Software testing can be conducted as soon as executable software failures so that defects may be discovered & corrected.*

*There are many approaches available in software testing reviews walk through or inspections are referred to as static testing where actually executing programmed code with a given set cases is referred with a given set of test cases is referred to as dynamic testing.*

*Typically a grey box tests will be permitted to set up an isolated testing environment with activities such as seeding a database the tester can observe the state of the product being tested after performing certain actions such as executing SQL statements against the database and then executing to ensure that the expected changes have been reflected.*

- ✓ *Testing types techniques & facilities*
- ✓ *Installation testing*
- ✓ *Compatibility testing*
- ✓ *Smoke and sanity testing*
- ✓ *Regression testing*
- ✓ *Security testing etc.*
- ✓ *Testing process*
- ✓ *Traditional waterfall development model*
- ✓ *Agile or xp development model*
- ✓ *Software testing is used in association with verification & validation*

*I finally conclude by saying that, I feel thankful to HOD and faculty of ECE department for bringing such experienced industry persons to our college which helped us gain lot of knowledge.*

*Ms. Rashmi Kanbur*

*VI Semester ECE*