



University of Mauritius
C-DAC School of Advanced Computing



Executive Development Programme

Training Workshop on Software Testing and Quality Assurance

What everyone involved in IT should know about Software Quality and Testing ...

(MQA approved)

28-30 July 2010, University of Mauritius

Introduction

“I’m sorry, but the system broke down.”

You may fill virtually anything in the blanks and people will believe you, because computer software has a terrible reputation for quality. Everybody in IT is aware of the need for software quality but most of them do not know how to go about achieving it in their organisations.

How can YOU improve the quality of your software and avoid becoming the laughing stock of Mauritius. Let us help you make informed decisions on applying software quality assurance and testing processes in your organisation.

Objectives

The chief objective in this Training Workshop is to provide you with the tools to assess your own Application Risk Maturity Model level. Where are you now? Where do you want to be? And how do you get there?

Before we can do that we will tell you what it is likely to cost – and what it can cost if you don’t do it! Hewlett Packard makes the most popular generic testing tools in the world and we will demonstrate these and let you get your hands on them.

Audience

This Training Workshop is intended to assist anybody in any organisation that develops or customises its own software, to improve their software quality. Many organisations believe that software quality is an IT problem, but there is a growing belief that it is more of a user responsibility. So, this workshop is intended for IT professionals and business executives alike.

MQA approved Certificate of Attendance will be issued to all the participants.

Format

The 3 days will be spent in lectures, hands-on sessions, discussions, demonstrations and case studies. Whilst you will be provided with a full set of course material, there will also be ample opportunity to get your questions answered. Demo versions of the tools are also downloadable.

Resource Persons

- ✓ Richard Clark, Principal Consultant, Rubric Consulting, South Africa

Having entered the burgeoning IT industry over 40 years ago, Richard Clark has vast experience in most aspects of software development. He is a leading authority on software quality with an international reputation. He has been consulted by most of the large financial and telecoms businesses in South Africa and given Software Quality Assurance training courses on the 4 main continents. Although he specialises in Test Automation, he has done a considerable amount of work in designing SQA processes for large and medium sized organization.

- ✓ Ukesh Ramjutton, Managing Director, Rubric Quality Consultants Ltd, Mauritius

One of the first testers in Mauritius, Ukesh Ramjutton is currently managing the only Mauritian company that provides software testing and quality assurance services for both the local and international markets. With more than 8 years experience in software development and testing projects, he has worked for some of the big players in the ITES/BPO sector. He also holds professional qualifications and certifications from the International Software Testing Qualifications Board and the Information Systems Examination Board.

Programme Outline

Day 1 (6 hours)

- Why do we need to test?
- What might it cost?
- What might NOT testing cost?
- Where does testing fit into the SDLC? : Group Activity
- Applied Risk Management Model
- Test Process Evaluation and Improvement
- Lab Assignments

Day 2 (6 hours)

- Careers in testing
- International Qualifications
- Staff Measurement: Group Activity
- The Role of the Test Manager

- Test Planning
- Test Design Techniques
- Testing Philosophies
- Lab: Quality and Testing

Day 3 (6 hours)

- Test Management Tools
- Functional Test Automation
- Load Testing
- Security Testing
- What can be expected from Automation – Group Discussion
- Demonstrations
- Lab Assignments

Fees

- Rs 15,000 per participant for general candidates.
- Discounted rate of Rs 12,000 per participant for a corporate batch of minimum 10.
- Special rate of Rs 12,000 per participant from government/parastatal sectors.
- Special rate of Rs 12,000 per participant for C-SAC/UoM alumnus.
- Sponsored rate of Rs 10,000 per participant for students of C-SAC/UoM/UTM.

Since the Training Workshop is MQA approved, participants could avail HRDC refund as applicable.

Organisers

C-DAC School of Advanced Computing: C-SAC was set up in Mauritius in 2002 to promote education, training, research and consultancy in the field of ICT and its applications in Mauritius. C-DAC is an R&D organisation of the Government of India and is involved in design, development and deployment of advanced ICT based solutions and ICT training. www.csac.mu

University of Mauritius: UoM is a dynamic and internationally recognised university with a long established tradition in providing excellence in education. www.uom.ac.mu

Coordinators

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| <p>1. Dr. C.P. Johnson
Director
C-DAC School of Advanced Computing
24, St. Jean Road, Quatre Bornes, Mauritius
Tel: 230-4255849; Tel/Fax: 230-4275516
E-mail: johnson@csac.mu , info@csac.mu</p> | <p>2. Mr Raj Moloo
Lecturer, Dept. of Computer Sciences
University of Mauritius
Réduit, Mauritius
Tel: 230-4037400; Fax: 4657144
E-mail: r.moloo@uom.ac.mu</p> |
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