



National Applied R&D Centre



# Introduction-Software Application Testing

## TRAINING + COACHING\*\*

 **MIMOS Berhad**, Technology Park Malaysia  
**25 - 27 November 2019 (3-days)**



**Register Now!**



Software testing in general has become more prevalent year by year and this applies to Government Agencies as they strive to adopt ICT into their day to day operations. As the usage of ICT becomes more and more important for the Public Sector, software testing is also moving into the same direction in making sure the developed system is in accordance to what it was meant for at the first place. This is in line with the Malaysian government efforts to regulate the software industry just as other matured industries.

This 3 days' workshop introduces the participants to the idea and concept of Software Testing that comprises of Functional Testing, Mobile Testing, Usability Testing, Data Migration Testing, Performance Testing as well as Security Testing. Participants will learn the importance and the basic methodology used of each test types for better understanding.



Claimable under HRDF  
Scheme-SBL

MANAGEMENT-TRACK	EXECUTIVE MANAGEMENT & MANAGER		
TECHNICAL-TRACK	NOVICE	QUALIFIED	PROFICIENT



## LEARNING OUTCOMES

Upon completion of the training programme, participants should be able to demonstrate each of the following:

- Recognize the benefits of software testing as well as its related test types.
- Find out the different test levels and test types used in Software Testing.
- Understand where software testing falls under the Software Development Lifecycle (SDLC).
- Discover the areas that needs to be covered and to be taken care of for Test Management.
- Learn the different categories of test types that can be used or adopted in Software Testing.
- Learn the basic test methodologies used for the different testing types.
- Find out the tools and best practices used for the different testing types.

## METHODOLOGY

- This Course will utilize a combination of lecture and discussions with the participants by using realistic use cases as reference point.
- A Post Test shall be held to assess how much knowledge has been acquired by participants.

## TARGET GROUP

- Quality Assurance Staff, Test Managers, Test Engineers, Testers
- Project managers, Program Managers, Project Leads, Technical Leads
- Software Development team, Business Analyst.

## PRE-REQUISITE

Have knowledge in the following areas:

- Basic understanding of Software Development Lifecycle (SDLC)
- Software Project Management fundamentals
- Minimal exposure to Software Testing.

### DAY 1 | 25 Nov 2019

#### Module 1 - Introduction to MIMOS Software Testing Laboratory

#### Module 2 - Introduction to Software Testing

- Software Testing Terminologies
  - i) What is Software Testing?
  - ii) Why is Software Testing necessary?
  - iii) Software testing in Malaysia (regulations)
  - iv) Fundamental Test Process
  - v) Software Development Models (SDLC).
- Test Levels & Types.

#### Module 3 - Test Management (Part 1)

- Introduction to Generic Software Testing
- Functional, System Testing, System Integration Testing.

### DAY 2 | 26 Nov 2019

#### Module 4 - Test Management - Introduction to Generic Software Testing (Part 2)

- Performance Testing
- Data Migration Testing
- Mobile Testing
- Usability Testing.

### DAY 3 | 27 Nov 2019

#### Module 5 - Test Management - Introduction to Generic Software Testing (Part 3)

- Security Testing
- Assessment and Closing
- Lab Tour (UX lab, Mobile lab and Test in the Cloud).

## INSTRUCTOR PROFILE



**Ashok Sivaji** (Test Manager – Usability testing), he works as the UX/Usability Lab Lead. He is a certified usability analyst and has served as the Vice President of the Human Factors and Ergonomics Society of Malaysia. As a Certified Professional for Requirement Engineering (IREB-CPRE), he has also acquired experience in Static Testing. With over 20 years of experience, he has successfully completed UX/Usability research for government and multinational organizations. He has successfully published his research in both international conferences, journal, book chapters and through patents. Over the years, he has gained experience in improving the usability/user experience of E-Government, E-Commerce and E-Learning websites and application.



**Azlan Deniel** (Test Manager – Performance testing), he has more than 20 years of experience with 15 years' experience in software testing. Exposed to performance testing hands-on since 2009 and worked on multinational projects especially on e-commerce websites. A certified professional in Requirement Engineering as well as certified tester with exposures in multiple areas such as Telecommunication, Government and Private sectors.



**Saiful Hizam** (Test Manager – Data testing), he has more than 19 years of experienced in IT-BSS industry. Involved and successfully delivered several of BSS implementation project in Asia Pacific. This is related to Data Migration, System Implementation and Greenfield deployment projects. As a certified BSS System Integrator, he has delivered one or many of the following services of configuration, integration, customized software adaptation and support of product in accordance with customer service contract.



**Mohd Noor Julaini** (Test Engineer – Security testing), he has more than 7 years of working experience in Security Posture Assessment (SPA), IT security and networking system related fields, covering vulnerability assessment and penetration testing (VAPT), wireless security assessments, network design/architecture review, IT policy review, host assessment, web application security assessment, mobile application security assessments, web application firewall (WAF) deployment, IPv6 readiness and deployment. Throughout his career, he has been exposed to various industries including financial institution, telecommunication and government. In addition, Mohd Noor Julaini is holding several professional certifications such as CyberSec First Responder (CFR), Certified Ethical Hacker (CEH), Huawei Certified Network Associate (HCNA) and DenyAll rWeb (DenyAll) certified by French IT security.



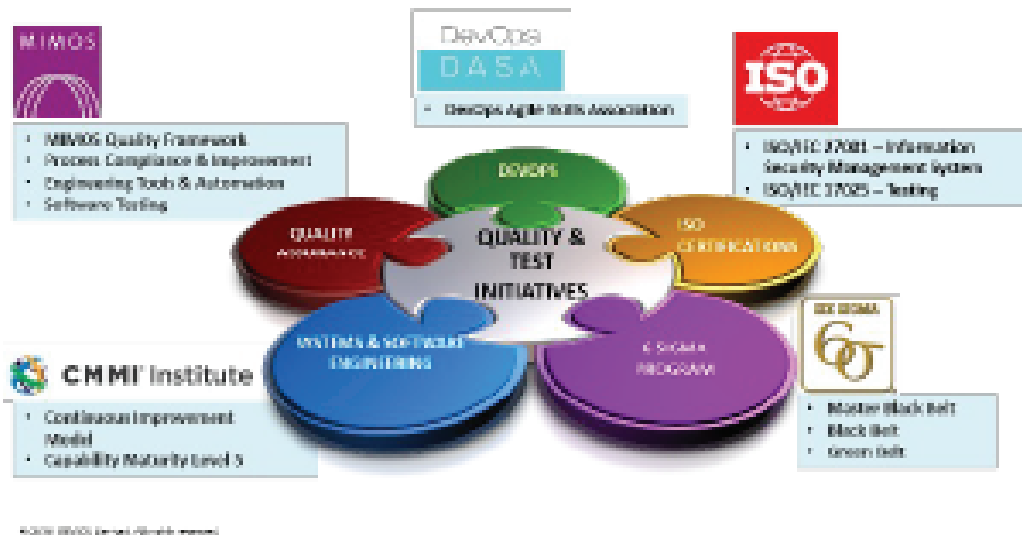
**Fazil Zainal (Test Lead – Functional testing)**, he has more than 19 years of working experience with 5 years' experience in software functional testing. Throughout his career, he held various roles in system development life cycle (SDLC) projects with various sectors including government, private and GLC. He is a certified tester with ISTQB Certified Tester Advanced Level – Test Manager (CTAL-TM).



**Chuan Ngip Khean** (Test Lead – Mobile testing), Chuan has more than 13 years of experience in software development, and software and hardware testing. Chuan is involved in software testing since 2012. He is a Certified Professional Advanced Level - Technical Analyst (CTAL-TA) and a Certified Professional Requirement Engineering - Foundation Level (CPRE-FL) engineer. Starting with user experience, he is involved in setting eye tracking for user testing for mobile devices. He is also experienced in human-computer interaction research for gesture use in mobile devices. In terms of IVV mobile automation testing, Chuan is the lead that have set up the laboratory mobile automation platform.

# Learn from the Best

# MIMOS Quality & Software Test Management



## Other Mimos Technologies

For further information on our technologies, do visit us at [www.mimos.my/tech](http://www.mimos.my/tech) and download those Technology Fact-sheets relevant to you, or contact fitri.isahak@mimos.m

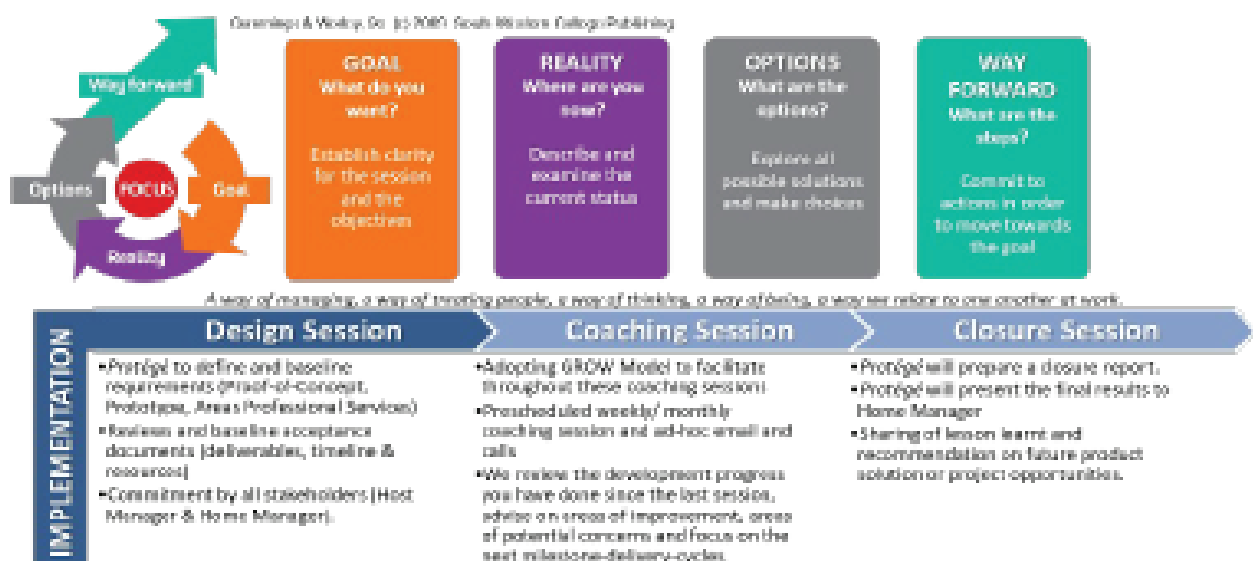


### COURSE TIME

08:30 Registration & Morning Coffee  
09:00 Workshop Begins  
10:30 - 10:45 Morning Refreshment  
12:30 Networking Luncheon  
13:30 Afternoon Session Begins  
15:30 - 15:45 Afternoon Refreshment  
17:00 - 17:30 Course Concludes

## Consultancy/ Coaching Model (\*\*Optional)

### MODEL GROW – COACHING FOR PERFORMANCE FROM 'AS-IS' TO 'TO-BE'



**\*\*Note:** Upon completion this 3-days training, participant's has an option to take up MIMOS Consultancy Services (2-4 months MIMOS Coaching Program) through our structured MCP (with a consultancy fee). If you are interested, do contact us for further details.



# REGISTRATION FORM | Introduction - Software Application Testing

MIMOS @ Technology Park Malaysia


25 - 27 November 2019 (Early bird 2<sup>8th</sup> October 2019)

National Applied R&D Centre

MIMOS



Please complete this form and email to US us

COURSE FEE		FEE INCLUSIVE SST	FEE INCLUSIVE SST	 HRDF Claimable under HRDF Scheme-SBL
<input type="checkbox"/>	Standard Registration	RM3,600.00	RM3,816.00	
<input type="checkbox"/>	Early Bird Registration (10% Discount)	RM3,240.00	RM3,434.00	
<input type="checkbox"/>	Group Discount (Minimum 3 participants@15%)	RM3,060.00	RM3,243.00	
<input type="checkbox"/>	MIMOS Partners, Universities & Colleges (30%)	RM2,520.00	RM2,671.00	

No	PARTICIPANT DETAILS	CONTACT INFORMATION	MEAL PREFERENCE
1	Name : Designation:	Email : Mobile No:	<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non-Vegetarian
2	Name : Designation:	Email : Mobile No:	<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non-Vegetarian
3	Name : Designation:	Email : Mobile No:	<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non-Vegetarian
4	Name : Designation:	Email : Mobile No:	<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non-Vegetarian
5	Name : Designation:	Email : Mobile No:	<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non-Vegetarian

Organisation : .....

Postal Address : .....

Tel : ..... Fax : .....

Contact Person : ..... Position : .....

Email : .....

## AUTHORISATION

I understand and agree to MIMOS Berhad terms and conditions (Signatory must be authorised to sign on behalf of the Organisation)

Name of the Authorised Person : .....

Position : ..... Date : .....

Signature and Company Stamp:

## Terms & Conditions:

- Upon received of this registration form (MIMOS), we will invoice to the contact-person for payment processing.
- Payment to **MIMOS Berhad** is required within 30 days upon receipt of the invoice. All payment must be received 7 working days prior to the training date. The fee shall include luncheon, coffee/tea breaks and training materials.
- Cancellation or postponement - Any cancellation must be made in writing and to reach us no later than 10 working days prior to the training date. If written notice is received in less than 10 working days, 100% of total fees is chargeable. A substitute delegate with similar background and competencies, is always welcome at no additional charge.
- Our instructor(s) and topics are confirmed at the time of this print. However, circumstances beyond the control of the organizers may occur and MIMOS Berhad reserves the rights to alter or modify the advertised speakers/topics if necessary.
- Training venue - Bukit Jalil Golf & Country Resort, or at MIMOS Berhad (depending on availability of training room).

To Register & for More Information:

## Industry Development

Corporate Strategic Engagement, MIMOS Berhad

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Email: fitri.isahak@mimos.my



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