

# **Rukmini Devi Institute of Advanced Studies**

**Madhuban Chowk, Rohini, Delhi-110085**

**(Approved By AICTE & Affiliated With GGSIP University)**

## **DOSSIER**

*On*

**Guest Lecture**

*On*

**“SOFTWARE TESTING TOOLS”**

*On*

**OCTOBER 10, 2014**



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**Ms. Mugdha Sharma**

**Ms. Amandeep Kaur**  
Chairperson, Literary Club

**Prof. Col. (Retd.) Mahander Singh**  
Director General, RDIAS

**Duty Chart for Guest Lecture on “Software Testing Tools”**

<b>Responsibilities</b>	<b>Faculty Name</b>
Welcome & Escorting of Guest	Ms Radhika Soni Ms Jyoti Arora
Lecture Theatre Booking	Ms. Jyoti Arora
Arrangement of Tea, Snacks and Lunch	Ms. Radhika Soni Ms. Jyoti Arora
Discipline	Ms. Jasmeen Kaur Ms. Akanksha Bhardwaj Ms. Rakhee Chibber Ms. Monika Bansal Ms. Mugdha Sharma Mr. Imran khan Dr. Manoj Kumar Ms. Swati Oberoi Mr. Gaurav Jindal Ms. Neetu Goel Ms. Simmi chawla
Lecture Theatre Arrangements and Recording	Mr. Vijay Tiwari
Photography	Mr. Ravinder
Website Report	Ms. Akanksha Bhardwaj
Dossier	Ms. Mugdha Sharma
Visitors Book	Ms. Monika Bansal
Introductory speech, place cards & Vote of Thanks	Ms. Jasmeen Kaur
Supervision of the Guest Lecture	Ms. Radhika Soni Ms. Jyoti Arora
Class coordination MCA I(I Shift) MCA I(II Shift) MCA III (I Shift) MCA III(II Shift) MCA V (I Shift) MCA V (II Shift)	Mr. Somendra Kumar Ms. Monika Bansal Mr. Gaurav Jindal Ms. Rakhee Chibber Ms. Jasmeen Kaur Ms. Jasmeen Kaur\

## **FORM A**

### **Proposal:**

- **Name of the event to be organized:** Guest Lecture on “Software Testing Tool”
- **Date:** October 10, 2014
- **Time:** 11:30 pm to 01:30 pm
- **Venue:** Lecture Theatre, RDIAS
- **Motivation for the activity:** To give the MCA students exposure of different **Software Testing Tools** available in the market and acquaint them with the knowledge in the domain of “**software testing**” and, also make them try hands on performing testing tool (SilkTest) available in **Micro Focus India**.
- **Resource Person:** Ms. Pooja Sharma, Sr. Presales Consultant, Micro Focus India

Mr. Pinkush Mittal, Regional Sales Manager, Micro Focus India

## FORM B

### Part 1

**Aim of the event:** Main objective was to impart knowledge and enhance the skills of the students in the domain “*software testing tools*” by giving them practical and industrial exposure on all the important topics/areas related to Software testing. Silk Test is a tool for automated function and regression testing of enterprise applications. It was originally developed by Segue Software which was acquired by Borland in 2006. Borland was acquired by Micro Focus International in 2009. Software testing is an investigation conducted to provide stakeholders with information about the quality of the product or service under test. Software testing can also provide an objective, independent view of the software to allow the business to appreciate and understand the risks of software implementation. Test techniques include, but are not limited to, the process of executing a program or application with the intent of finding software bugs.

### Part 2

#### Abstract:

The session was initiated by **Mr. Pinkush Mittal**. His agenda of the lecture was:

- Why software testing is emerging as an edge for growing IT industries?
- Introduction to Micro Focus and Borland
- Importance of Software Testing and its tools
- Why one should choose software testing as a career option?

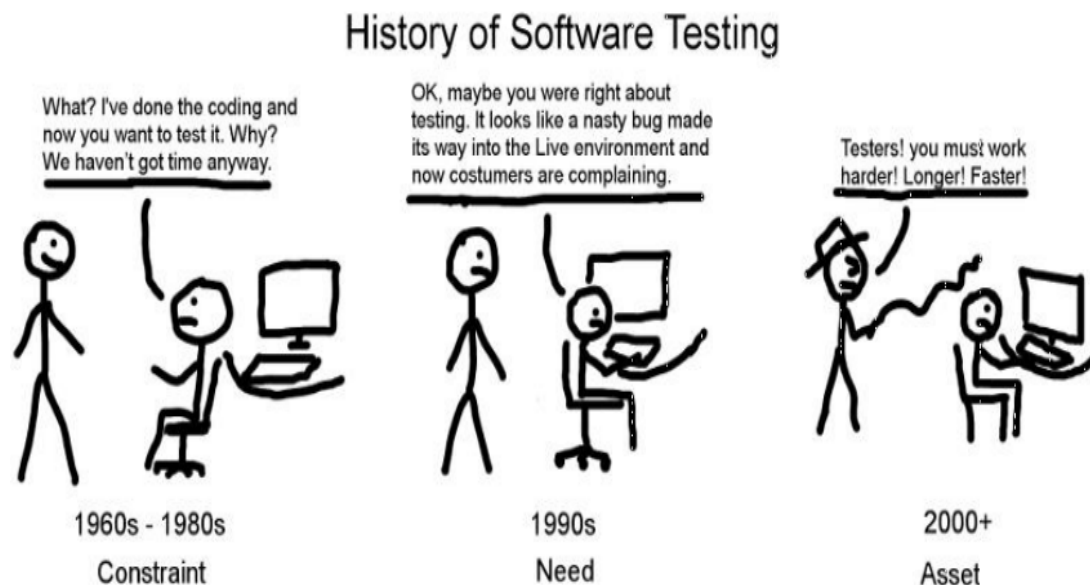
The key part of the session is the introduction of Borland.

Borland is the world leader in the **software development life cycle**. Borland Software Corporation is a software company that facilitates software deployment project and deals in every phase of SDLC starting from requirement management till its delivering phase. Later on, it has acquired by **Micro Focus**.

Remaining session was delivered by **Ms. Pooja Sharma**. Her presentation contained the following discussion points:

1. Meaning of Software Testing
2. History of Software Testing
3. How industry views software testing today
4. Testing life cycle
5. Functional Testing
6. Performance Testing
7. Mobility Testing
8. Test Management

Madam began the session by discussing the history and need of software testing in industry:-



After that, madam explained about how industry views software testing today. Madam also gave description about manual testing, functional testing, performance testing, mobility testing and test management concept.

Manual testing is the process of manually testing software for defects. It requires a tester to play the role of an end user and use most of all features of the application to ensure correct behavior. To ensure completeness of testing, the tester often follows a written test plan that leads them through a set of important test cases.

Madam explained about functional testing concept with the help of practical examples and also explained about importance of functional testing in the software industry. **Functional testing** is a quality assurance (QA) process and a type of black box **testing** that bases its **test** cases on the specifications of the software component under **test**. After that, madam discussed about functional test automation with silk test with the help of following diagram:-



In software engineering, performance testing is in general testing performed to determine how a system performs in terms of responsiveness and stability under a particular workload. Madam explained the concept of performance testing using silk test:-

## SilkPerformer - 4 Must Have Capabilities



At the end of the session, madam explained about mobility management and test management.

Mobility management is one of the major functions of a GSM or a UMTS network that allows mobile phones to work. The aim of mobility management is to track where the subscribers are, allowing calls, SMS and other mobile phone services to be delivered to them. Madam also explained about the concept of testing mobile applications.

Test management most commonly refers to the activity of managing the computer software testing process. She explained the concept of test management using silk central tool. Silk Central is a powerful software test management solution for agile and traditional development teams. It provides an integrated framework for improving productivity, traceability and visibility for all types of software testing. Madam explained the key capability of silk central with the help of following diagram:-





Speaker concluded the session by demonstrating silk performance testing.

**SilkPerformer**  
Report generated at: Donnerstag, 16. Februar 2012 14:15:33

**Region Summary Report - AP-Southeast**

Version: SilkPerformer 9.0.0.5107  
 Project: InsuranceHTTP  
 Region: AP-Southeast  
 Start date/time: 10.02.2012 19:43:52  
 Workload: Workload1  
 Workload model: Increasing  
 Status: 48 errors occurred

**Test result overview** [back to top](#)

Select a user type, or click on one of the counters, to jump directly to the according section.

User Type	#Users	Test duration	Session Time	Session Busy Time	Average Page Time	#Transaction OK	#cancelled	#failed	#Errors
InsuranceHTTP.bdf/VUser/Profile1	60	01:00:07	00:07:18	20.617 [s]	0.775 [s]	417	0	45	48

**Results for InsuranceHTTP.bdf/VUser/Profile1** [back to overview](#)

summary tables | transactions | page timers | web forms | errors

### **Part 3**

#### **Conclusion**

It is important for the students to be well acquainted with these applications and should be aware of the intricacies of implementing this technology. Keeping this in mind, a lecture was organized for the students of MCA. The session was very informative and technical for the students. The speaker explained all the points in detail using practical examples. It was a great exposure as the guest lecture was motivational, informative, and interactive.

## Lecture Moments



HOD MCA, RDIAS felicitating to Guest Speaker..!!!



Sir sharing his knowledge with the students!!!



Good listeners from RDIAS!!!



HOD MCA, RDIAS presenting memento to Ms. Pooja Sharma..!!