



## Indira Gandhi Delhi Technical University For Women

(Established by Govt. of Delhi vide Act 09 of 2012)

Kashmere Gate, Delhi - 110006

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### Sabre partners with IGDTUW to incubate software test engineering CoE

Sabre Travel Technologies Pvt. Ltd., is a leading technology provider to the global travel industry, has set up a Quality Assurance Center of Excellence (CoE) at Indira Gandhi Delhi Technical University for Women (IGDTUW) to build an ecosystem of industry-ready test engineers.

Sabre and IGDTUW signed a memorandum of understanding on 29th April 2016 for MCA students only, to set up the knowledge center that will nurture student skills on industry standard test engineering practices through a combined program of workshops and webinars at IGDTUW, Delhi.

Sabre plans to conduct a workshop on overview of Automation and its needs in IT Industry in August 2016 and a hacker rank test in September 2016 to select students based on their performance for a six months internship program at Sabre's development center in Bangalore. Sabre will also provide opportunity to students to undergo ISTQB Training and Certification during the internship.

As part of MoU signed with Sabre Travel Technologies, till now Sabre has conducted a two-day workshop on "Quality Assurance, Quality Control and Software Testing Estimation Techniques has been conducted. Two WebEx sessions were also organized on Application LifeCycle Management (ALM) and Bugzilla- bug finding tool by Sabre Travel Technologies at IGDTUW.

S.NO.	SESSION DETAILS	DATE
1.	Testing – Introduction, SDLC ,Process Models, Principles	JUNE 23,2016
2.	Testing - Qualities of a tester , Agile Testing,Test	JUNE 24,2016
3.	Application Lifecycle Management (ALM) – Quality Center	JULY 8,2016
4.	Bugzilla – Defect finding tool	JULY 11,2016

In order to have hands-on experience on test case formation, various testing projects were given to the students during the workshop. Only top **40 students** were selected for workshop sessions.

At Session 1, in the very beginning of the session, it was discussed about how testing is evolved and why we need testing. Following this, two major aspects have been discussed: Severity and Priority. Available tools for test management and defect finding and the tools that sabre follows have also discussed during the session. A detailed overview on industry's top five failures have also given.

Session 2, continue with the discussion of testing only. Here they introduce basic process models. During the session they have discussed about two types of testing i.e. Black Box Testing and White Box Testing. Continuing with this, different types of functional and non functional testing types and it's basic requirements. There is new testing technique introduced to the students i.e. Agile Testing.

Session 3, ALM: a web based tool was discussed. ALM begins with planning and drafting, and then releases details. Determine no of cycles in each release & scope of each release. For a given release and cycle, requirements specifications are drafted. Based on the requirements, test plans and test cases are created. Next stage is executing the created tests plan. Next stage in this test processes is tracking and fixing the defects detected in the execution stage. During all stages, analysis is done, and reports and graphs are generated for test metric generation.

At Session 4, it was discussed about Bugzilla: a defect tracking tool, however it can be used as a test management tool as such it can be easily linked with other test case management tools like Quality Center, Testlink etc.

Each Session is concluded with Quiz and Q&A Session.

During the workshops and webex sessions various industrial based exercises were given to students like listing out bugs in given screenshot, identification of all test cases present in program, Identifying the types of testing you would perform on it to make sure that it is of the highest quality, writing up your test ideas in terms of test scenarios.



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