CASE
STUDY

The fastest growing University of Ireland leveraged Test Triangle's testing and quality assurance services for product assurance and improving the quality of its internal software system.

TEST TRIANGLE
Trusted Partner in IT Consulting

Our **CLIENT**

Our client is one of the leading universities in Ireland, providing education to more than 11,000 students from more than 90 countries. It offers a range of programs in humanities, science, business, and law. It has carved a name for itself in international education space with state-of-art research facility and highly experienced instructors.

Project
CHALLENGES

Since the last few years, the University has grown immensely, resulting in a chaotic admission process. The IT system of the University was not able to handle the registration process due to large student influx. Therefore, the client required a scalable system, which can handle the sudden increase in the student registration process at the admission time. Other than that, there were several other requirement challenges, which are discussed below:

• A novel student registration system was implemented; therefore, the client needed end-to-end quality assurance, which can cover functional as well as non-functional aspects of software

• The client was not familiar with the concepts of quality requirement and implementation; therefore, testing has to begin from the planning phase which means scope and range of testing tools and associated costs have to be determined

• A proper testing approach has to be selected, which can cover functional, non-functional and ETL testing

There were several existing issues with the system such as:

• Frequent breakdown in application

• Lack of compatibility with different browsers

• Lack of proper test management and automation tool

Technology
STACK

JIRA, ZEPHYR, Silk Test, Oracle, TOAD, IE, Chrome, Firefox

Solutions
PROVIDED

The client needed a testing solution, which can offer end-to-end quality assurance and system testing. Test Triangle studied the system and offered a comprehensive solution for automation and quality assurance. Being a partner of Atlassian, Test triangle had vast experience and testing product knowledge. A test case and bug management system was implemented along with the following solution:

- JIRA was implemented along with Zephyr Plug-in for bug and issue tracking; and task management

- An agile testing environment was created using the exploratory testing method. Test Triangle supported regular reviews by the local and remote domain expert so that initial challenges can be mitigated

- A suite of automation scripts was created, which can be used from front-end, back-end, and regular regression validation

- Test Triangle provided training to all the major stakeholders and local IT team regarding quality assurance and implementation using the Software Development Lifecycle (SDLC)

- We conducted gap analysis for the existing test scenarios
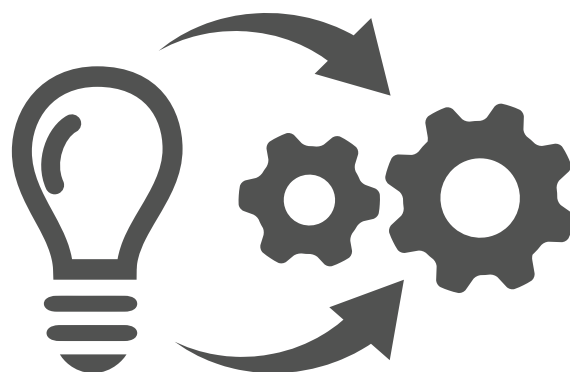
Benefits
ACHIEVED

Test Triangle's end-to-end quality assurance and testing services benefited the client in several ways:

- We adopted agile methodology, wherein reusable test frameworks were created, which significantly reduced cost to the client

- A defect management system was institutionalized within the organization, which will assure seamless operations in future

- All the issues were completely addressed using a traceability matrix and a project report was created

- Test Triangle offered training, which will help the local IT team to operate the system efficiently

About
TEST TRIANGLE

Originally founded in 2012, Test Triangle has become a leader in IT consultancy services providing services in application testing, DevOps, RPA, Custom software development ,mobile app development , Atlassian consultancy, niche IT staff augmentation and training in advanced technologies. Test Triangle is headquartered in Ireland; but it also has branch offices in London, United Kingdom, and Hyderabad, India. We have exponentially grown to become a team of 200+ members providing services in different verticals such as Banking & Finance, Utilities, Pharma, Retail, IT & Education etc.

Test Triangle's R&D department has created a propriety platform, Test Outsourcing Dashboard [TOD] which can be used to manage software testing lifecycle using collaboration tools like email, live chat, video conferencing.

For inquiry please contact: inquiry@testtriangle.com

We have also launched a self- service testing platform (the premium version will be released as SaaS solution), which can provide a project overview and real-time updates of the software development lifecycle.

Over the years, we have established the reputation of being a 'trusted partner in IT consulting'. Test triangle is an agile software company, which constantly strives to exceed the expectations of its clients. We adopt the software testing and software application lifecycle to meet the customer's demand in an efficient and reliable manner. With a global workforce, we have proved ourselves in delivering tight-deadline projects.

We are proud to declare ourselves a client of Enterprise Ireland and European commission.

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where innovation means business

European Commission

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