

Cyber Square

PROFESSIONAL

ARTIFICIAL INTELLIGENCE | PYTHON | DATA SCIENCE | FULL STACK



CS TESTING- Diploma in Software Testing

Duration: 6 Months

Online Live Classes

Lecture sessions: 32 hours
Hands on assignments/projects: 80 hrs



ORAY
EDUCATION
LONDON, UK

About the Course

This course is designed to give students the theoretical background and practical knowledge and skills required to succeed in the software industry as a Software Tester. This comprehensive program offers a deep dive into the core principles, practices, and tools that enable seamless collaboration between development and operations teams.

The course is a professional diploma program with weekdays or weekend training session and access and support to clarify any doubts. Students are advised to spend more time learning course materials and gaining hands on experience during their personal time.



What you will Learn

- Gain expertise in Software Test.
- Gain a deep understanding of the Testing philosophy and its impact on software development and IT operations.
- Gain a deep understanding of the Testing Tools and its role in Software development.
- Learn how to Create Test Cases for building and testing Software Applications.
- Learn the principles and practices of Testing.
- Learn how to effectively use Manual and Automated Testing Softwares.
- Get skills necessary for development and executing Test Cases.
- Gain hands-on experience with Testing practices through real-world projects.
- Learn how to implement security testing and its best practices in Software Development environments.
- Develop the skills necessary to troubleshoot and resolve Testing issues.
- Gain insights into the latest Software Testing trends and technologies.

About Cyber Square

Cyber Square professional (engineering and certification) courses for the college and university students are designed to make the students employable in the software industry. Many working professionals also use the program to shift their career to Coding, Data Science or Artificial Intelligence. With a track record of placing all the students who have completed the course with good grades, Cyber Square helps the students to start their career. It is accredited by Oray Education, UK for the professional courses.

Cyber Square has a kids program that teaches coding and Artificial Intelligence from Age 5 and above. The course are designed by industry experts from Google, Facebook, Amazon etc. along with eminent academicians and academic researchers from IITs. Coding and AI training is provided through games and stories to make the learning effective and interesting for the students.

Currently Cyber Square platform is a home for more than 100,000 students across the globe and more than 40 schools/institutions from Canada, UK and middle east have adopted the Cyber Square curriculum.



Who Should Take This Course?

- ◆ Individuals who are looking to transition into Software Testing .
- ◆ Professionals who are looking to gain a deeper understanding of Software Testing principles and practices.
- ◆ Freshers/Graduates who want to kick start their Career in IT World





PROGRAM HIGHLIGHTS

Gain hands-on experience with industry-standard tools and techniques in Software Testing .
Implementation of Manual and Automated Testing Tools.

Industry experienced faculties

Learn from experienced Test Engineers who will share their insights and best practices for implementing Test Cases in real-world environments.

Learn by doing:
Assignments for practicing

Step by step approach: Students develop a part of the project while learning each technology

CERTIFICATES



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EDUCATION

29, The Sphere, 1 Hallsville Rd, E16 1BE, London, United Kingdom

Certificate

Of appreciation

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This certificate is presented to:



Daniel Francis

This is to certify that Mr. / Ms.

Registered under the Roll No. _____ has successfully attended
and completed a certification program in the course

Conducted in the Kingdom of Bahrain on

Date

Signatory



Serial No: 00000

Classroom-Level Immersion: Delivered Digitally

**Anywhere
Anytime
Access**

**Online
Self-Learning**

**Live,
Interactive Classes**



**Courses designed by
alumni of IIT, NIT &
IIM.**

**CS Certificate
Diploma Certificate**

**CS
Talent Show**

Topics covered in detail

Overview On Software Testing

- Introduction to Software Testing
 - Understanding the importance of software testing
 - Principles of software testing
 - Different types of testing: functional, non-functional, black-box, white-box, etc.
 - SDLC – Software Development Life Cycle
 - Introduction to testing life cycle and models

- Testing Techniques
 - Equivalence partitioning
 - Boundary value analysis
 - Decision table testing
 - State transition testing

- Test Planning and Documentation
 - Test planning process
 - Test strategy and test plan documents
 - Test case design techniques
 - Test case documentation and management

- Unit Testing
 - Definition and purpose of unit testing
 - Writing and executing unit tests
 - Test-driven development (TDD) principles
 - Unit testing frameworks (e.g., JUnit, NUnit)

- Integration Testing
 - Integration testing concepts
 - Top-down and bottom-up integration testing approaches
 - Stub and driver techniques
 - Integration testing tools and practices

- System Testing
 - System testing overview
 - Functional and non-functional testing at the system level
 - User acceptance testing (UAT)
 - System testing tools and techniques

- Regression Testing
 - Definition and purpose of regression testing
 - Regression testing strategies
 - Automated regression testing
 - Regression testing tools (e.g., Selenium, TestNG)

- Performance Testing
 - Introduction to performance testing
 - Load, stress, and scalability testing
 - Performance testing tools (e.g., JMeter, LoadRunner)
 - Interpreting performance test results

- Security Testing
 - Overview of security testing
 - Common security vulnerabilities
 - Security testing techniques and tools
 - Best practices for secure software development

- Test Automation
 - Introduction to test automation
 - Benefits and challenges of test automation
 - Test automation frameworks (e.g., Selenium WebDriver, Appium)
 - Developing and maintaining automated test suites

Final Project

- Live Project

Customer Reviews

It was very good experience with the team cybersquare. They make coding a little bit more interesting through their constant training and the mentors are undoubtedly very much helpful and we feel free to ask doubts. If you are someone looking forward to study coding, I will definitely suggest cybersquare.

- Farhana Shiril

I completed my 3 months internship in python programming here. In these 3 months I learned not only python but other language like HTML, CSS, Javascript etc. It was a great experience for me, the faculties are amazing, the classes are interesting. If you are in search for a job in this competitive world then this is the right place to start.

- Leslie Chally

Cyber Square is a very good coding program for student. The teacher's are very proactive. They help us in every way. And I am very grateful for the teacher's and their patience. Thank you cyber square and its teacher's

- Christonic Home

Before start of course, there was apprehension about the course and the company. But now after start of course, we feel that both course and the company are remarkably excellent, much more than expectations. The tutor assigned to my child has excellent teaching skill & ability to guide others. Excellent teacher-student relationship. All round caring is really appreciable. We wish them best wishes and a great success in their future endeavors.

-Anjani Singh

I find cyber square one of the best online schooling platforms for code because of their reasonable timings (1 hour per lesson) caring teachers they teach kids all kinds of things in code from simple beginner to advance professional they have good quality meeting connections and very little problems happen good value teaching techniques apps and websites and they communicate well with children finally many kids find it engaging and that is why I would give it a very high rating (5 stars).

-Osama Hussein



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