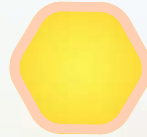




**ICT  
ACADEMY  
OF KERALA**



## INDUSTRY READINESS PROGRAM **CERTIFIED SPECIALIST IN SOFTWARE TESTING**





## CERTIFIED SPECIALIST IN SOFTWARE TESTING

### About the Program

The Industry Readiness Program on 'Certified Specialist in Software Testing' is designed to equip participants with the essential skills and knowledge required in today's dynamic software landscape. As modern software development demands testers to be proficient in a wide range of tools and frameworks, this program covers the core principles of software testing while also introducing industry-relevant tools for automating both functional and non-functional testing. Through this comprehensive training, participants will gain the expertise needed to effectively verify and validate software products, ensuring they meet all necessary requirements.



OFFLINE  
**3 Months**  
(375 Hrs.)

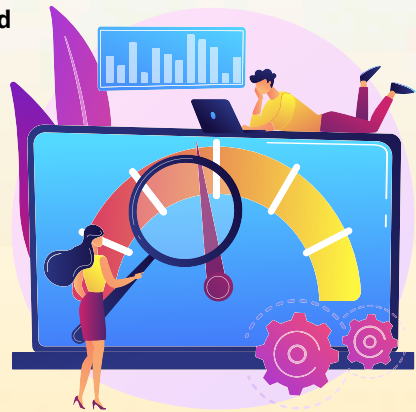


INTERNSHIP DURATION  
**125 Hrs.**  
(With Mentor Support)



ONLINE  
**6 Months**  
(375 Hrs.)

- ✔ **Online and Offline sessions tailored for graduates and professionals**
- ✔ **Scholarships and cashbacks for meritorious candidates via ICTAK**
- ✔ **Three to six-month access to LinkedIn Learning included**
- ✔ **Comprehensive employability skills training offered**
- ✔ **100% placement assistance guarantee for the eligible candidates**



The ICT Academy of Kerala (ICTAK) offers hands-on training sessions aimed at bridging the skill gap in the information and communication technology (ICT) domain. These online or offline sessions provide job-oriented courses in information technology (IT), furnishing participants with the essential skills and certifications required for various IT job roles. This proactive approach has proven instrumental in assisting numerous individuals in securing employment within the ICT sector.

## Job Roles

Candidates participating in this program can anticipate a wide range of potential career paths upon completion.

Test Analyst

~3 L

Software Test Engineer

~4 L

Automation Tester

~4 L

Quality Assurance Engineer

~5 L

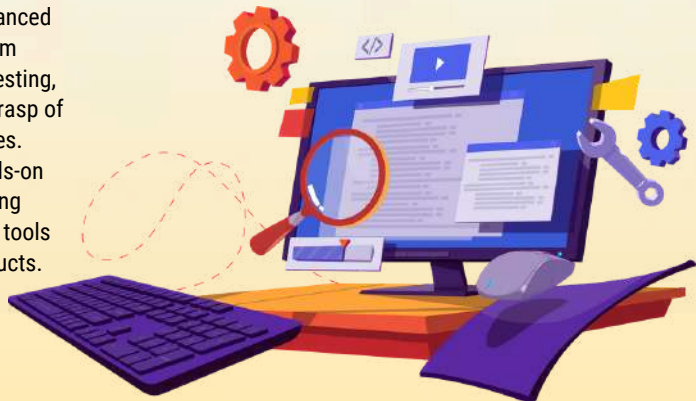
## Learning Outcome

Upon completion of the program, participants will gain:

- **Foundational Knowledge:** A solid understanding of the Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC), including the roles and responsibilities involved in testing.
- **Test Case Management:** Skills to design, write, and manage effective test cases, covering both functional and non-functional aspects of software testing.
- **Automation Expertise:** Enhanced proficiency in using Selenium Webdriver for automation testing, along with a foundational grasp of automation testing principles.
- **Practical Application:** Hands-on experience in applying testing techniques and automation tools to real-world software products.

## Agenda

- Java Foundation for Software Testers
- Basics of Software Development Life Cycle (SDLC)
- Software Testing Life Cycle (STLC)
- Test Roles and Responsibilities
- Test Design and Management
- Functional & Non-functional Testing
- Automation Testing
- Framework
- Introduction to Selenium
- Automation using Selenium Webdriver
- Project Work





## About ICTAK



The ICT Academy of Kerala (ICTAK) is a not-for-profit organization formed by the Government of India, the Government of Kerala, and leading IT industry players like TCS, UST, IBS, and Quest Global. ICTAK offers various ICT and life skills programs such as Microsoft, Java, DevOps, Cyber Security, Artificial Intelligence/Machine Learning, and so on. Recognized by the Government of Kerala's Department of Electronics & IT, ICTAK provides comprehensive training with capstone projects and internships to prepare the next generation of ICT professionals. In the 2023-24 period, it expanded its partner network to 282 academic institutions, impacting over 12,000 students and 600 faculties. With 182 corporate partners, ICTAK organizes events, hackathons, and conferences to develop new ICT courses and promote digital literacy. Through partnerships with the government, it focuses on capacity building and project execution. Over the last decade, ICTAK has trained 1,20,000 participants and received national recognition for its innovative training practices from the Indian Society for Training & Development (ISTD).



**INFORMATION &  
COMMUNICATION TECHNOLOGY  
ACADEMY OF KERALA**  
**ICTAK**

## CERTIFIED SPECIALIST IN SOFTWARE TESTING

### Eligibility

- Engineering or science graduates / three-year diploma in any engineering branches, having a foundation level knowledge (plus two equivalent) in Mathematics and Computer fundamental skills.
- Students who have completed their graduation but are awaiting the final results can also apply.

*\*Please note that the ICT Academy of Kerala will have the right to cancel the candidature at any point if found ineligible.*



G1, GROUND FLOOR, THEJASWINI BUILDING  
TECHNOPARK CAMPUS, THIRUVANANTHAPURAM  
+91 75 940 51437 | 471 270 0811  
[info@ictkerala.org](mailto:info@ictkerala.org) | <https://ictkerala.org>