



**ICT
ACADEMY
OF KERALA**



UPSKILLING PROGRAM **CERTIFIED FLUTTER DEVELOPER**



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Why this program?

The Flutter upskilling program delivers a comprehensive learning journey, immersing participants in the world of Flutter development. Starting with the basics like Dart programming and Flutter widgets, the program gradually delves into advanced topics like state management, animations, and asynchronous programming. Through hands-on projects and collaborative group work, participants gain practical experience and craft interactive mobile apps. With a focus on troubleshooting and debugging, the program ensures participants acquire a well-rounded skill set.



DURATION
3 Months
(275 Hrs.)



PROJECT DURATION
75 Hrs.
(Capstone Project)



COURSE DELIVERY
Instructor - Led
(Online)

-  **Industry-relevant curriculum with hands-on training**
-  **3-months FREE LinkedIn Learning access worth 12k**
-  **Career advancements with the ICTAK placement portal**



Participating in an upskilling program offers a multitude of benefits, including enhancing employability and preparedness for the competitive job market, refining expertise and proficiencies in a specific area, expanding earning potential and opportunities for career advancement, meeting the demand for skilled professionals within industries, and staying updated on the latest trends and technological advancements relevant to the field.

Scope of the Program

A structured journey through essential concepts like Dart programming and Flutter widgets, advancing to state management and asynchronous programming. Participants gain hands-on experience and teamwork skills through practical projects, enriching their portfolios and preparing them for industry demands. We emphasize robust troubleshooting and debugging skills, enabling participants to create and maintain mobile applications effectively. With a focus on cross-platform frameworks like Flutter, our program equips participants with industry-relevant proficiency, aligning closely with current job market trends and requirements.

Objectives

- Proficiency in Dart and the Flutter framework, crafting functional and visually engaging UIs with Flutter widgets.
- Best strategies for optimizing Flutter applications, including code optimization, resource management, and enhancing responsiveness.
- Skills in integrating Flutter applications with external APIs for dynamic and data-driven app development.
- Preparedness to tackle real-world Flutter projects, building robust and efficient cross-platform mobile applications.

Agenda

- Overview of Flutter and its advantages.
- Setting up the Flutter development environment.
- Understanding the Flutter project structure.
- Basic Dart programming for Flutter.
- Introduction to Flutter widgets and layout.
- Building responsive layouts with Flutter.
- Styling and theming Flutter apps.
- Creating custom widgets.
- Managing state in Flutter apps.
- Using Provider for state management.
- Overview of third-party state management libraries.
- Navigation basics in Flutter.
- Implementing navigation with named routes.
- Deep linking and routing strategies.
- Making HTTP requests in Flutter.
- Parsing JSON data and error handling.
- Working with REST APIs in Flutter.





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 FLUTTER DEVELOPER

Eligibility

- Engineering or science graduates/ three-year diploma holders in any engineering branches
- Final year/pre-final year students of the above courses
- Foundation level knowledge (plus two equivalent) in Mathematics and Computer fundamental skills
- Students who have completed graduation but are awaiting final results

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



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