



About ACCA





# **MARCH - 2019**

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JAVA • KOTLIN

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### Why Do Programmers Prefer Kotlin over Java Programming?

Android applications are evolving with time. Developers are looking for new ways to improve their apps in terms of usability and stability. After Java, companies are adopting Kotlin at an impressive rate.

Unlike Java and other languages, Kotlin is a fairly new language. It is developed using the robustness of Java and the power of C++. Kotlin is a high-level open-source programming language, currently targeting Java and JavaScript. It is widely used in Android app development.

Kotlin runs on a JVM and uses the LLVM compiler infrastructure. It solved many issues which Java developers were facing earlier. Kotlin is influenced by several popular languages such as Scala, Groovy, Gosu, etc. It basically uses existing Java classes to produce amazing results.

### Why You Should Prefer Kotlin Over Java?

Kotlin is known for its code safety, clarity and especially interoperability. You can call Java anytime while writing code in Kotlin. It has a great feature-packed IDE and tools support. You can even use its extension functions to build clean APIs. So, let's see some advantages of Kotlin as compared to Java











### **1. Support for Functional Programming**

When a developer starts working on a software or application development project, he/she usually have a list of tasks to be done and targets to accomplish.

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With Kotlin, they can solve problems more easily and fastly. It has better support for functional programming (than Java) that allows developers to use function concepts more concisely. It will not only improve the performance but also help developers to maintain the consistency.

### 2. Kotlin is Concise

Gone are the days when developers have to write pages of code to achieve some common functionality. Kotlin allows you to solve the same problem in fewer lines of code. Kotlin is a way more concise than Java. It doesn't only save time but also promotes readability and code maintainability.

If you are a developer, you won't have to deep dive into the sea of logic and code to solve a simple bug. With Kotlin, you can read, write and change code more efficiently. Kotlin brings many useful features like smart casts, data classes, type interference, etc.

### 3. Safer Code

Bugs, system failures, and application crashes are some of the things that make development take more time.

Kotlin prevents common programming mistakes by default and helps developers focus on potential problems and write better and robust code. It greatly reduces the possibilities of error which were prominent in Java.

### 4. Shrinks the Base code to Enhance Productivity

Developers often make certain shortcuts while programming to reach a deadline. This is called technical debt that generally reduces productivity and slows down the development.

Kotlin helps developers to reduce technical debt to a certain extent. It shrinks the base code and which further improves the code quality. If you shift to Kotlin, you will see a reduction in the number of lines of code. This makes code maintenance a lot easier.

### 5. Promotes Faster Development

Unlike Java, Kotlin offers some amazing features to speed up everyday development tasks. It includes object declarations, extension functions, default parameter values, performing many checks, avoiding runtime errors, etc.





"The computer says I need to upgrade my brain to be compatible with new software."







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# New International Certifications

ERNET AND COMPUTING CORE CERTIFICATION



Whether you plan to pursue a career in IT, or simply become more effective with technology, IC3 Digital Literacy Certification is the place to start.IC3 Digital Literacy program is simply the best way to ensure that students and employees are prepared to succeed in a technology-based world.

Ic3 Global Standard 5 (GS5) is the newest addition to the IC3 Digital Literacy program. It is comprised of three exams: Computing Fundamentals, Living Online, and Key Applications.

# **Benefits of IC3 Certification**

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- Highlight your unique talents

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• Demonstrate your qualification in emerging fields



# IC3 Exams

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ESB is the first in the new Certiport<sup>®</sup> Business Fundamentals Certification Program. Successful completion of this certification will validate skills and knowledge for those students interested in working in a middle-skill trade profession as their own boss and those with entrepreneurship and small business career aspirations



ESB certification engages and prepares students who will pursue additional vocational training after their formal schooling or those who elect to enter the small business sector immediately upon graduation. The entrepreneurial concepts validated by this certification ensure that these students are career ready.

The U.S. Department of Labor and the National Foundation for Teaching Entrepreneurship (NFTE) both cite statistics that underscore the benefits of entrepreneurship education. These benefits include improved academic performance, school attendance, interest in attending college, an increase in occupational aspirations, as well as leadership behavior. (Encouraging Future Innovation: Youth Entrepreneurship Education, US Department of Labor.)

#### Endorsed By:

#### The American Council on Education (ACE)

The American Council on Education (ACE) is the USA's unifying voice for higher education.



### Earn Your Badge



#### The Network for Teaching Entrepreneurship (NFTE)

Network for Teaching Entrepreneurship (NFTE) is an International nonprofit that activates the entrepreneurial mind set in young people and builds their knowledge about business startup.



# OUR PRIDE



#### **G-TEC SMART VILLAGE 2018-19 paved the way for Panchayath associations.**

G-TEC SMART VILLAGE 2018-19 conducted by G-TEC COMPUTER EDUCATION, **KUTTIKKATTOOR** in association with PERUMANNA Grama Panchayath, CALICUT with a vision to attain 100% IT LITERATE GRAMA PANCHAYATH status, enabled the centre to have good association with the Panchayath and for reaching the citizens of all the segments of the society. The project also facilitated KUTTIKKATTOOR G-TEC to propagate the image of having administrative association with public bodies to standout....

The project was inaugurated by Panchayath President Mrs. K.Ajitha in the presence of Secretary, Panchayath members, CDS, ADS and Kudumbasree Members on 24th November 2018 at Grama Panchayath Meeting Hall, Perumanna. News Dailies and local channels covered the program at an extensive level which helped the wide reach of program. Centre had the opportunity to conduct the program awareness through Grama Sabhas, Kudumbasree Schools & CDS, ADS members meetings.

The project was initiated in the light of the flood which affected the panchayath at its worst. So, 50% fee waiver for all the courses were offered to the natives who join through this project. TEAM KUTTIKKATTOOR deserves a special appreciation for the effective coordination and execution of the 'SMART VILLAGE' as they achieved 120 admissions, not yet recorded in the history of G-TEC SMART VILLAGE PROJECTS.

G-TEC SMART VILLAGE 2018-19 will definitely help and prompt KUTTIKKATTOOR CENTRE to have tie up with other panchayaths and Government organizations also within their jurisdiction to attain fruitful results. This project can be highlighted by other centres also to have association with the panchayath in their respective areas.





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