



Mobile Application Development

Course Description:

Mobile Application Development is an exciting new field and it's growing exponentially! With this skill set comes a potential lifestyle of freedom, since you could work remotely as an entrepreneur. Alternatively, you can partner with an innovative company in almost any field of your choosing and collaborate to make a well-loved & popular App. Be on the forefront of the App revolution; turn your wildest ideas into a reality or assist others to do so and make profit in the process! At CCBST, the Mobile Application Developer Diploma program will give you the tools to start. You'll be prepared for the field of interactive media so that you can write, modify, integrate and test computer codes for internet applications. Once the program is complete, you'll be able to create programs and innovative content for both iOS and Android. Pick a business that you aspire to work at, or whose work you admire and CCBST will attempt to pair you with that company, or a similar one that interests you.

Course Outline:

Computer Literacy

Basic Android Application Development Java Programming

Introduction to Server-Side Web Application Development for Mobile (PHP/MySQL)

Mobile Development Best Practices

User Interface Design/Mobile Application UX & UI Design and Prototyping

Mobile Application Development Project

Course Outcomes:

At the end of the course the student will be able to:

- Describe how to use and update contacts, calendar, and reminder systems
- Recognize how to adapt to unforeseen circumstances, changing priorities, and timelines
- Explain how to establish work priorities and develop a plan to meet deadlines
- Describe the basics of the Android Operating System.



- Describe how Android applications work, their life cycle, manifest, Intents, and using external resources.
- Explain the application lifecycle steps.
- Explain the differences between Android and other mobile development environments.
- Illustrate working with the database to store data locally.
- Demonstrate an ability to write simple GUI applications.
- Recognize how the businesses are adopting mobiles application.
- Describe the challenges for the development of engaging mobile application development.
- Explain the lifecycle of the mobile development for the enterprise.
- Explain the design principles and guidelines for the mobile application development.
- Examine how to connect the mobile app with enterprise IT services and data.

Career Opportunities

Graduates of this certificate program will be able to start their career with entry-level positions in medium to large-sized companies as an:

- Mobile Application Programmer
- Interactive Media Developer
- Interactive Media Programmer
- Multimedia Programmer
- Software Developer
- Graphical User Interface (GUI) Developer
- Mobile Application Programmer

Course Duration:

180 Hours