

Course Name	IBM CE - Enterprise Mobile Application Development and Deployment using IBM Worklight
Course Code	AIMWRLF1P
Course Duration	50 Hours
About the Technology	<p>Worldwide mobile device sales have skyrocketed. Key drivers of this explosion may include the desire for smart phones.</p> <p>The popularity of the smart phone can be attributed in large part to software—the invisible thread that enables today’s innovations. It is software, together with systems engineering, that enables what we call a “system of systems”—the ability of software-intensive subsystems such as radio and power management, global positioning systems (GPSs), megapixel cameras, user interfaces, digital voice and audio, and protocols to work together as an integrated unit. This system of systems enables mobile phones to communicate with cell towers for transmitting and receiving data. It also allows the devices to integrate cameras, music, GPS functionality and more with different applications.</p> <p>As the capabilities of mobile devices expand, these software offerings will likely become more complex, making the development of applications increasingly challenging.</p>
About the course	This course is designed for application developers who want to create, manage, and deploy mobile applications to Android and iOS* mobile environments by using IBM Worklight V6.
Audience	<p>This basic course is designed for developers who have no prior experience with IBM Worklight or mobile applications, and who need to create applications and environments for mobile devices.</p> <p>Students of</p> <ul style="list-style-type: none"> – Engineering (CS, IT)- 3rd / 4th Year – MCA – 1st/ 2nd Year – BSc, BA -3rd Year
Pre-Requisites	<p>Before taking this course, you should have experience in Java or web development with Eclipse, and a good knowledge of the following web technologies:</p> <ul style="list-style-type: none"> • HTML5 • JavaScript

	<ul style="list-style-type: none"> • Cascading Style Sheets (CSS) 3 • Web UI frameworks, such as Dojo or jQuery • Representational State Transfer (REST) services • Web services <p>A basic knowledge of a mobile web UI framework, such as Dojo Mobile, is helpful.</p> <p>Pre-requisites courses:</p> <ul style="list-style-type: none"> • IBM CE – Introduction to Object -Oriented Programming using Java • IBM CE - Introduction to HTML5, JavaScript Programming and Dojo Mobile
<p>Contents</p>	<p>After completing this course, you should be able to:</p> <ul style="list-style-type: none"> • Have an insight on the evolution of mobile technology and challenges of mobile applications • Identify a mobile application design type suitable for your application • Develop a mobile application to run on an Android or iOS** platform using the IBM Worklight hybrid coding approach Code Optimization for Specific Environments • Use IBM Worklight client-side APIs for cross-platform portability • Use the Apache Cordova framework to access native device functions • Use IBM Worklight server-side APIs for back-end integration • Include the Dojo Mobile, jQuery Mobile or Sencha Touch UI frameworks in an application • Secure a mobile application using different IBM Worklight authentication techniques • Manage application updates and versions
<p>Applicable IBM Certification*</p>	<p>Test 000-278 - IBM Worklight V6.0 Mobile Application Development</p>
<p>Follow on Courses</p>	<p>– IBM CE Mobile Application Project using IBM Worklight</p>

**Certification examinations are not included as a part of the course. Certification vouchers are available at discounted pricing.*

*** Apple Mac machines and hand-held devices will be required for hands-on for iOS environments*