

Program Benefits

- I Develop the skills required to create applications for the Android mobile devices
- II Create strategies to overcome mobile development challenges including memory and processor limitations, intermittent network access, and limited battery power
- III Learn how to effectively use application architectures for a range of wireless devices via hands-on experience
- IV Acquire the necessary skills to ensure mobile applications efficiently utilize corporate data or data available from external web services
- V Gain insight into new trends and features in the mobile device marketplace

Achievements

- I Many Apps based project successfully completed and available on App store
- II Meaningful internship opportunities to 100% students

Possible Opportunities



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I.T.S ENGINEERING COLLEGE

Android App Development



Centre of Excellence

Mobile Application Development Program

More people access the web via mobile devices than from personal computers. As the number of devices expand dramatically, users are becoming accustomed to having both web and computing access via small, mobile devices and phones. This has resulted in a significant increase in demand for developers with experience using multiple platforms such as iOS, Android, and Windows Phone.

At the same time, the growth in popularity of cloud computing has increased the ability for these devices, to perform functions that previously required computation power unavailable on mobile devices.

Why Android?

Android powers over 80 percent of the world's smart phones, and represents an incredible opportunity for developers everywhere. The next billion people coming online will interact with the internet for the very first time on a mobile device. Building for Android gives you the best opportunity to reach these users and make an impact both in your community, and on the world.



Who Should Enroll

This program is intended for individuals interested in the design, development, or use of mobile device applications, games, or utilities. It will benefit those who wish to distinguish themselves across a wide range of employment and technical disciplines within the rapidly expanding field of mobile application development.

Vision

Our vision is to become a nationally and internationally known center in promoting, enhancing, and disseminating excellence in engineering education through advance development, research and collaboration with the public and private sectors, and with other institutions of advance learning.

Mission

- I Identify, develop, and apply effective learning methodologies for engineering education
- II Identify, develop, and apply assessment tools to measure the effectiveness of engineering learning, particularly in the context employability and skill of students
- III Conduct research in engineering education and engineering practice in collaboration with other educational institutions, community resources, industrial partners, and funding agencies
- IV Develop test sites which incorporate engineering education improvements, and disseminate effective teaching materials and practices developed through the ongoing work of the Center

Objectives

- I To build native applications for Android devices
- II To provide better job opportunity in mobile app development
- III Engage the students in research oriented App development projects
- IV To bridge the gap between academia and industry
- V To provide best place to convert the innovative ideas into reality

Infrastructure:

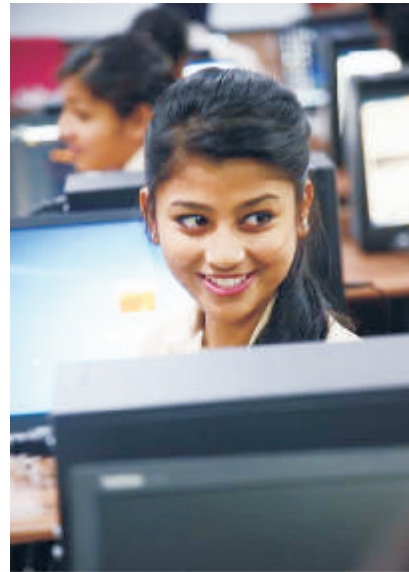
- I World class infrastructure
- II High performance systems
- III Audio-Visual Systems enabled lab

Eligibility

- I Engineering Professionals and Researchers from Industry & Academia
- II B.Tech graduates and students of pre-final and final year pursuing B.Tech in all disciplines

Key Attractions

- I Skill Development Programs
- II Summer Training Programs
- III Rapid course program for all B.Tech graduates



Training content for Android Application development

Module	Course Content
Basics Of OOPs & Java	Class, Objects, Abstraction, Inheritance, Polymorphism and GUI design
Basics of Android	Installing Android platform, Setting Up android Project, Introduction to Layouts in XML
Interface Design	Creating button and other basic widgets and referencing them through Ids, Setting an onclickListener on button and changing its Text
Designing of Screens	Making a Splash Screen and Thus introduction to Threads
Activities Design	Navigating to new Activity through Intents, Introduction to activity Life Cycle and illustrating it through Logcat, Adding Music with Media Player and Background Image
Database Connectivity	JDBC, Sqlite, JSON Array
API Integrations	Like Google map, payments gateway, Login etc..

Training Features

- I High Quality Content Featuring Sessions with full Video and Demonstration on our platform
- II Weekly Quizzes for better grasp by multiple attempts
- III Weekly assignment for practical implementation
- IV Discussion Forum for helping each other and making learning much more involved
- V Special lecture on enhancing ones application and taking it to new level and make it industry standard
- VI Focused on Practical solutions to real-world development problems

Training Duration

120Hrs (Theory 40Hrs, Lab 40Hrs & Project 40Hrs)