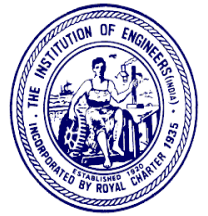




Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. Telangana India



INFORMATION TECHNOLOGY DIVISION

PROFESSIONAL DEVELOPMENT PROGRAMME

Mobile Application Development Using Android



06 – 09 Nov 2017



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

Introduction

The Android open source platform offers compatibility with a wide range of devices, which provide global access to the mobile market. It's the largest installed base of any mobile platform and growing fast —every day, millions of user's power up their Android devices for the first time and start looking for apps, games, and other digital content. Android gives you a world-class platform for creating apps and games for Android users everywhere, as well as an open marketplace for distributing to them instantly

In this course, you learn to build on your existing Java knowledge to deliver robust business applications for Android phones and tablets and integrate them with enterprise systems

Objectives

- To learn how to deliver robust Mobile business applications.
- Hands-on Practical Training on Android application for Developing Mobile Applications
- Design UIs that work seamlessly with a range of phones and tablets
- Manage data with content providers and the SQLite database

Course Coverage

- **Introducing the Android Platform**
- **Building mobile applications**
- **Supporting asynchronous behavior**
- **Creating User Interfaces**
- **Selecting visual components**
- **Working with resource declarations**
- **Communicating with the user**
- **Interacting with the UI**
- **How to use external libraries**
- **Managing the activity life cycle**
- **Selecting storage options**
- **Manipulating the SQLite database**
- **Consuming and creating content providers**
- **Avoiding Application Not Responding (ANR) errors**
- **Building background services**
- **Interacting with server-side applications**
- **Developing clients for web services**
- **Incorporating the Action Bar**
- **Leveraging geolocation and mapping capabilities**
- **Application security and privacy of users**
- **Fragments and developing reusable components**

Training Prerequisites

Training attendees must be fluent in concepts of Core Java & OOP (Object Oriented Programming)

Methodology

Methodology of the programme includes class room sessions with Hands-on Practical, Lecture / Discussion with audio visual aid, bench marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members.

Target Participants

- Professionals working in the field of software development, Web Administrators, Programmers, Application Developers, Web developers in IT departments.
- IT Managers, Systems Managers, Scientists, Engineers and Consultants working in governmental, defense, Police public, private sector organizations and Industries.
- Professors, Faculty members and Technical Staff of Engineering and MCA colleges.

Benefits to the participants

After completing this course, the Participant will be able to:

- Hands – On experience on Mobile Application development using Android.
- Learn security procedures for Developing Mobile Applications.
- Project Experience on Android

Programme Venue, Dates & Timings

Venue: Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500032. TS, India.

Dates

06 – 09 Nov, 2017

Timings

On the first day Registration will commence at 09:00 hrs. On all other days the programme timings will be from 09:45 – 17:15 hrs with breaks in between for tea and lunch.

Course Director



Mr. Syed Azgar , MBA(IT), RHCE, MCSA
Faculty & Manager-IT,
Information Technology Division,
Engineering Staff College of India, Hyderabad.

Course Fee

₹ 20,000/- (Residential Fee) per participant. Fee includes course material, course kit, twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks during the actual days of training programme.

DISCOUNTS

- ❖ **Non – Residential Fee** - 10% discount on course fee is allowed for non- residential participants.
- ❖ **Group Discount** - Additional 10% discount for three or more participants if sponsored by the same organization

(All discounts are applicable only if fee is received at ESCI before commencement of the programme)

GST @18% is to be paid extra and above the training fee as training is also brought under the purview of Service Tax in Finance Bill 2010. **PAN Card No.** AAATT3439Q. **GST No:** 36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of “**THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA**” in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by NEFT/ RTGS/ IFSC Code No. SBIN 0004159 – MICR No.500002075. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

Register Online: <http://www.escihyd.org/trainings/information-technology/>

To register, manually please send your nominations giving details of name, designation, contact address, email address, mobiles no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

The Head

Information Technology Division
Engineering Staff College of India
Gachi Bowli, Hyderabad – 500 032
Phone: 66304100 (EPABX) / 040 – 66304123/24/25 (Direct), Fax: 040 - 23000336
Email: it@escihyd.org, Portal: www.escihyd.org

A Certificate of participation will be awarded to each participant on conclusion of the programme.

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well developed Information Centre and Internet facilities are available to the participant.