



Electronics & ICT Academy IIT Guwahati, Assam



An Initiative of Department of Electronics & Information
Technology (DeitY),
Ministry of Communications and IT,
Government of India

A Training Programme on

Mobile Application Development



Organized by Electronics and ICT Academy, IIT
Guwahati and support from
Damyant Software Pvt. Ltd.

Applications are invited from Faculty Members/ Research
Scholars/PG & UG Students/Lab Technicians/Project Staffs
from Universities/Colleges/Schools & Industry Personnel to
attend a Training programme on
“**Mobile Application Development**”

Course Date: 07-11 December, 2016

Last Date of Registration: 01.12.2016

(Online Registration Link will be open from 21.11.2016)

Venue: IIT Guwahati.

Supported by

Department of Electronics and Information
Technology (DeitY)
Ministry of Communications and
Information Technology,
Government of India



सत्यमेव जयते

Objective of the Course

Course Objective is to provide basic knowledge in Mobile Application Development using Android and Hybrid Platforms. The programme will focus on practical aspects and include examples which are relevant to the current industry requirements.

Course Programme

Training Programme is split into two parts: Lectures and Labs/Hands-on sessions daily. Course contents are as follows:

- ❖ HTML5
- ❖ Ionic, Cordova Framework
- ❖ Accessing device capabilities through Cordova
- ❖ Android Fundamentals
- ❖ Application Structure
- ❖ Emulator
- ❖ UI
- ❖ Deployment Techniques

Certificate with grades will be given by E&ICT Academy, IIT Guwahati to the participants.

Who Can Attend

Programme is open to Colleges/Universities, Institute's Faculty Members, Research Scholars, PG & UG Student, Lab Technicians and Project Staffs. Industry Personnel working in the concerned/allied discipline may also apply.

How to Apply

Online – The participants may log on to the E&ICT Academy IIT Guwahati website: <http://eictacad@iitg.ernet.in> and fill up the application form.

Through Email – Scanned copy of the filled in application form duly endorsed by the forwarding authority is to be mailed at E&ICT Academy email id (eictacad@gmail.com, eictacad@iitg.ernet.in).

Application format given in this brochure may also be downloaded from the website.

Registration Form

Name of the Applicant (first, last):

Affix passport
size
photograph

Gender:

Designation:

Highest Qualification:

Name and Address of the Organization/Institute:

City/town:.....

Email:.....

Phone Number:.....

Mobile Number:.....

Do you need accommodation?

(Yes/No):.....

DD Number:.....

Date:.....

Issuing Bank:.....

payable at:.....

Transaction ID (Applicable for Online Transfer):.....

Signature of the Applicant:.....

Signature and Seal of the Forwarding Authority

Name

Designation

Note: The Faculty/Staff are requested to submit the NOC from respective department before attending the session.

Registration Fee

Registration Fee (Including course material)

Rs. 2,500/- for Faculty, Lab Technicians and Project Staff

Rs. 5,000/- for Industry Personnel, Research Scholars and Students.

**Mode of Payment: Demand Draft in the name of
“Registrar IIT Guwahati”**

OR

For Online Transfer

Bank Name: State Bank of India

Account Name: IIT Guwahati R&D E&ICT Academy

Account No.: 36071160089

IFSC Code: SBIN0014262

Bank Name: State Bank of India

Bank Address: IIT Guwahati, GHY- 39.

Contact Details

For more details or any queries please contact

Course Coordinator: Feroza Haque, IIT Guwahati

Email: eictacad@iitg.ernet.in, eictacad@gmail.com

Phone No: +91-3612586442

Course Outcome

At the end of the programme, participants are expected to develop and deploy apps on Android platform from one of following categories:

1. GPS based App
2. Sensors Based App
3. Utility App
4. Camera Based App

Focus Area and Curriculum

Focus Area

- ❖ Mobile Application Development using Hybrid
- ❖ Mobile Application Development using Native Android

Course Curriculum

- ❖ HTML5
- ❖ Ionic, Cordova Framework
- ❖ Accessing device capabilities through Cordova
- ❖ Android Fundamentals
- ❖ Application Structure
- ❖ Emulator
- ❖ UI
- ❖ Deployment Techniques

Contact Hours

50 (Theory, Hands-on, Tutorial)

Pre- Requisites for the Course

The participants of the course are expected to have a prior knowledge of the following computer languages:

- ❖ Basic knowledge of C and C++
- ❖ Basics of Java Programming
- ❖ HTML

Lab Platform to be used for the Course

- ❖ Windows/Linux
- ❖ Cordova (Open source)
- ❖ Ionic
- ❖ Node.js
- ❖ Android SDK
- ❖ JDK

Course Coordinators from Academy

- ❖ **Prof. Ratnajit Bhattacharjee**,
Principal Investigator
E&ICT Academy, IIT Guwahati
- ❖ **Prof. Rohit Sinha**,
Co-Principal Investigator
E&ICT Academy, IIT Guwahati
- ❖ **Dr. Gaurav Trivedi**,
Co-Principal Investigator
E&ICT Academy, IIT Guwahati

Course Coordinator from Industry

- ❖ **Dr. Hemen Goswami**,
CEO, Damyant Software Pvt. Ltd.
20+ years of experience with organizations like GE-Harris Railway Electronics, GE Transportation, JF Welch Technology Division, Infogain Corporation and Navis LLC.

About E&ICT Academy

Electronics and ICT Academy is an initiative of Department of Electronics & Information Technology (DeitY) Ministry of Communications and IT, Govt. of India for Faculty/ Research Scholar Development Programme.

Academy has planned short term training programmes on fundamental and advanced topics in IT, Electronics & Communication, Product Design, Manufacturing with hands on training and project work using latest software tools and systems.

In addition, the Academy will conduct specialized/customized training programmes and research promotion workshops for corporate sector & educational institutions. It is envisaged that the Electronics and ICT Academy, IIT Guwahati will become a central hub of activities on training, consultancy work, entrepreneurship programmes and facilitate cultivation of start-ups in local region.

For details of the programme and course contents etc., please log on to Electronics and ICT Academy website: <http://eict.iitg.ernet.in/>

How to reach IIT Guwahati

Indian Institute of Technology Guwahati is located just on the outskirts of the city of Guwahati and is well connected to other parts of the country by road, rail or air.

1. How to reach through Air and Rail.

There are direct air services from/to Mumbai, New Delhi and Kolkata with connectivity to all major cities in the country and direct train services from/to all the metropolis and other major cities. Air India, Jet Airways, Jetlite, Kingfisher, IndiGo, SpiceJet and GoAir operate regular flights to and from Guwahati. For more information of trains to Guwahati please visit the Indian Railways website www.indianrail.gov.in

2. How to reach through road.

For commuting from the station to the North Guwahati campus, tata sumos and auto-rickshaws are available. IITG Bus service is available from G.N.B. road, Panbazar, near Assam Publication Board, Opposite to Hotel President, Guwahati or Don Bosco school (which is about one kilometer from Guwahati Railway Station) to IIT Guwahati Campus as per the schedule which can downloaded from the following link,

<http://www.iitg.ac.in/aa/pages/campusmap/files/bus-timings-2010.pdf>

