

**National Institute of Electronics and Information Technology
(J&K)**

ISO 9001:2008 certified organization

**Department of Electronics & Information Technology (DeitY), Ministry of Communications and Information Technology, Govt. of India.**

**Contact us:**

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**TIE-UPS**





**National Institute of Electronics & Information Technology** (NIELIT),(erstwhile  DOEACC) was set up to carry out HRD-IT and related activities in the area of Information, Electronics & Communications Technology (IECT). NIELIT is engaged both in Formal & Non-Formal Education in the area of IECT besides development of industry oriented quality education and training programmes in the state-of-the-art areas. NIELIT has endeavoured to establish standards to be the country’s premier institution for Examination and Certification in the field of IECT. It is also one of the National Examination Body, which accredits institutes/organizations for conducting courses in IT in the non-formal sector.

NIELIT has thirty one (31) offices located, with a strong network of over 800 accredited institutes and over 6000 facilitation centres.

**About NIELIT Srinagar/Jammu**

* NIELIT J&K is functioning from Srinagar, Jammu & Leh.
* **Srinagar Centre is located in the SIDCO Electronics Complex, Rangreth on a 7.5 acres Campus with a built-up area of 33,000 sq.ft.**
* The Jammu Centre is located on the New Campus of the University of Jammu with a built-up area of 22,000 sqft.
* Sub-Centre Leh is located at Skalzangling, Airport Road, Leh.
* **Long Term Courses:**
	+ MCA in affiliation with University of Kashmir.
	+ PGDCA in affiliation with University of Jammu.
	+ Software/Hardware courses like ‘O’, ‘A’ & ‘B’ level.
* **Short Term Courses in:**
* **Computer Networking**
* CCNA,CCNP
* MCSA(Windows Server 2012)
* Linux Networking
* Integrated Networking Industrial Program.
* WSN (Wireless Sensor Networks)
* **Ethical Hacking and Cyber Forensics**
* Information Security, Ethical Hacking and Cyber Forensics
* **Programming courses**
* Android Programming
* .Net Technologies
* Programming in Java
* Embedded Systems Programming
* MATLAB
* Programming in C/C++
* **Open Source Technologies**
* PHP and MySQL
* Python
* **Database**
* Oracle SQL Dev,Oracle PL/SQL Dev,Oracle App Dev
* **Computer Aided Design**
* VLSI Designing
* AutoCAD
* **Basic Literacy Programs**
* DOEACC “CCC” Course
* Basic Computer Applications.
* **Others**
* Repair of Mobile Phones.
* PC Assembling and Testing
* Web Design
* Diploma in operation and Maintenance of Bio Med equ.

**Industrial Training**

**In**

 **Programming Courses**

**(Android Programming)**

* Introducing SQ Lite
* Creating a database
* Opening & closing a database

**Multimedia, Location based service & google maps**

* Multimedia audio formats
* Creating & playing
* Multimedia Audio Formats- Kill
* Releasing memory management
* Using location based services
* Working with Google maps

**Android Activities & UI Design**

* Understanding intent
* Activity, Activity life cycle & manifest
* Creating application
* Creating new activities expressions & flow charts
* Android manifest
* Simple UI –layout & its properties
* Fundamental Android UI design
* Introducing layouts
* Creating new layouts
* Drawable resources
* Resolution & density independence (px,dip,sip,sp)
* XML introduction to GUI objects viz push button, test labels, edit label, toggle button

**Advanced UI Programming**

* Event driven programming in Android
* Creating a splash screen
* Android activity life cycle
* Understanding the exception handler
* Working with AndroidManifest.xml

**Menus, Dialogs & Notifications**

* Localization
* Options menu
* Context menu
* Alert dialog
* Custom dialog
* Dialog as activity
* Broadcast receivers
* Services & notifications
* Toast
* Alarms

**Working with data storage**

* Shared preference
* Preferences activity
* Files access

**Objective:** To train students in the area of software development in order to build scalable and flexible applications in an industry standard way.

**Eligibility:** MCA, BE/B.Tech, BCA and A/B Level students (Undergoing/Completed)

**Duration:**2 months@2 hrs daily

**Training Methodology**:

* Classroom Lectures
* PPT Presentations
* Hands on practice in well equipped labs

**Android Programming**

**Introduction to Android**

* Architecture of Android
* Android development environment
* Installing the SDK
* Creating Android emulator
* Installing eclipse & other tools
* Running & debugging your application

**Android-Java**

* Oops concept
* Inheritance
* Exception handling
* Packages & interfaces
* Collections
* Hash table
* Vector list
* Array list
* Hash map
* Multi threading (Thread class & Runnable interface)
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