

**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-UP**





**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**

**(MATLAB)**

[**MATLAB**](http://www.roseindia.net/java/exceptions/) **GUI Programming**

* MATLAB guide
* Creating a MATLAB GUI Interactively
* Pre-defined dialogs
* Graphics object
* Properties of object
* Modifying properties of graphics objects
* Menu driven programs
* Controls: Unimenu and Unicontrol

**Data and data flow in MATLAB**

* Data types
* Matrix, String, cell and structure
* Creating, accessing elements & manipulating of data of different types
* File Input-output
* MATLAB files
* Text files, Binary files

**Introduction to conditionals & loops**

* Conditionals and loops
* The IF statement
* Switch/case
* FOR Loops
* Accumulators
* Nested Loops
* Element-by-element operators
* Output of unknown size
* Loop termination
* Conditional looping
* Dimensions and array
* While Loops

[**MATLAB**](http://www.roseindia.net/java/string-examples/) **script and functions**

* Writing script files
* Solving linear equation
* Use of matrices to solve equations
* Introduction to statistical operations
* Writing functions
* Input/output arguments
* Function visibility, path
* Importing and exporting data
* Differentiation
* Integration
* Handling images
* Symbolic math
* Communication with external devices
* I/O Exceptions Vs Runtime Exceptions

**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)

**Training Methodology**:

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

**Programming in MATLAB**

**Duration:**6 weeks @ 2 hrs daily

**Introduction to MATLAB**

* MATLAB Demo
* Using MATLAB as calculator
* Using variables
* [Introduction](http://www.roseindia.net/java/beginners/sdk-directory-structure.shtml) to MATLAB commands
* Introduction to array
* Array operations
* Indexing
* Entering external data
* Introduction to cells
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