National Institute of Electronics and Information Technology Chandigarh
(An autonomous scientific Society under administrative control of Ministry of Electronics and Information Technology, Government of India)
www.nielit.gov.in/chandigarh

Admission Open for Courses starting in December 2018

NIELIT Chandigarh invites applications for admission to short term crash courses of one week (full day) or two weeks (half day). The courses and timings are as under:-

S No	Course	Eligibility	Duration	Timing	Start Dates
1.	Big Data Analytics using Hadoop	Candidate must be pursuing/ completed degree/diploma in any relevant discipline	One week (5 days a week)	10 am to 5 pm (with one hour break)	24/12/2018, 31/12/2018
2.	Python with Data Science		One week (5 days a week)	10 am to 5 pm (with one hour break)	24/12/2018, 31/12/2018
3.	Mobile Application Development using Android		One week (5 days a week)	10 am to 5 pm (with one hour break)	24/12/2018, 31/12/2018
4.	Cyber Security		One week (5 days a week)	10 am to 5 pm (with one hour break)	24/12/2018, 31/12/2018
5.	Web Development using PHP		One week (5 days a week)	10 am to 5 pm (with one hour break)	24/12/2018, 31/12/2018
6.	Java Programming		One week (5 days a week)	10 am to 5 pm (with one hour break)	24/12/2018, 31/12/2018
7.	C and Data Structures		One week (5 days a week)	10 am to 5 pm (with one hour break)	4/12/2018, 31/12/2018
8.	Internet of Things/ Raspberry Pi with Python		Two weeks (5 days a week)	02.00 pm to 05.00 pm	31/12/2018
9.	C and Data Structures		Two weeks (5 days a week)	02.00 pm to 05.00 pm	24/12/2018
10.	PCB Designing using ORCAD		Two weeks (5 days a week)	10 am to 1 pm	24/12/2018
11.	Mobile Handset Design and Maintenance		Two weeks (5 days a week)	02.00 pm to 05.00 pm	24/12/2018
12.	Web Designing	Basic Knowledge of computer	One week (5 days a week)	10 am to 5 pm (with one hour break)	24/12/2018, 31/12/2018

Fees: ₹ 2500/- per course per student. GST Extra as applicable shall be extra. Total applicable fee is ₹ 2950/- per course per student. Fee can also be paid online/RTGS

Contact Details

Mohali C-134, Industrial Area, Phase VIII, Mohali
Phone (Reception): 0172-2236462

Chandigarh M925, IETE Building, Sector 30B, Chandigarh,
Phone (Reception): 0172-2650121

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Salient Features

- Experienced Staff
- Focus on Practical
- Industrial-oriented Contents
- Project Demonstrations

Admission Procedure

1. Candidate has to submit filled registration form (Available for Receptions at Mohali and Chandigarh offices) along with self-attested documents (10th Certificate, Aadhaar Card, 12th and higher if any) and two photographs at Mohali or Chandigarh offices.
2. Candidate may take admission by submitting course fees in cashless mode at Reception counters at above address locations.
3. Candidate can also deposit fee in the bank on through RTGS/NEFT. Details for such payments (Snapshot/Transaction ID) must be retained. After making the payment a mail should be sent to training.chd@nielit.gov.in mentioning the Name of Candidate, Name of Course, Fees deposited, Transaction Id with date, Proof if any. The bank details are as under:-

NIELIT CHANDIGARH

BENEFICIARY'S/CUSTOMER'S OPTION TO RECEIVE PAYMENTS THROUGH E-PAYMENT

1.	BENEFICIARY NAME	:	NIELIT, CHANDIGARH
2.	BENEFICIARY ADDRESS	:	C-134, INDUSTRIAL AREA PHASE-VIII, SAS NAGAR, (MOHALI)-160071
3.	BENEFICIARY ACCOUNT No.	:	7854005900000019
4.	ACCOUNT TYPE	:	CURRENT A/C
5.	MICR CODE	:	160024087
6.	BANK NAME	:	PUNJAB NATIONAL BANK
7.	BANK NAME & ADDRESS	:	PUNJAB NATIONAL BANK SCO 34, SECTOR-71, MOHALI (PUNJAB) PIN-160062
8.	NIELIT TELEPHONE No.	:	9915703165
9.	IFS CODE	:	PUNB0785400

Syllabus of Refresher Courses

1. PHP

Free Open Source Software, PHP Software(Wamp,Xamp) , Designing includes brief of HTML Forms ,Core PHP including Operators, loops ,Arrays ,Functions, MySQL Connectivity with PHP, GET , POST , REQUEST method with Forms , Fetching of Records from MySQL.

2. Big Data Analytics

Java Programming, Linux commands, Hadoop File System, Mapreduce Programming, Hive, Hive queries, loading tables, Hive commands, Introduction to PIG and Hbase.

3. Android

History of Android ,Android features, Introduction to OS layers Linux kernel Libraries Android RuntimeApplication framework AndroidManifest.xml ,Dalvik Virtual Machine & .apkfile extension. Fundamentals: Basic Building blocks - Activities,Services,Broadcast Receivers & Content providers. UI Components - Views & notifications, Text Fields, Layouts.Components for communication -Intents & Intent Filters, Explicit Intents and Implicit intents. Uses-permission & uses-sdk, Resources & R.java , Assets Layouts & Drawable Resources , Activities and Activity lifecycle. SQLite Programming, SQLiteOpenHelper, SQLiteDatabse Adapters,ArrayAdapters, BaseAdapters,ListView and ListActivity,Customlistviewand GridView using adapters, SharedPreferences, Preferences from xml

4. Cyber Security

Basic Concepts, Information Gathering/reconnaissance, Scanning, Enumeration, Securing Networks, OS Security, Wireless Security /Mobile Security, Web Hacking, Security Standards

5. J2SE (JAVA 2 STANDARD EDITION)

Java basics ,Oops concepts, Introduction to IDE(netbeans/eclipse). Data types, variables, methods, Arrays, wrapper classes, scanner class,String, StringBuffer, String Builder,Classes and Objects,Constructors, Packages ,Inheritance, Interfaces,Exception Handling ,Java multi-threading ,Java I/O ,Creating GUI windows (desktop applications) using Swings with event handling ,RDBMS (MySQL/oracle/SQLServer) concepts ,Connecting RDBMS with Java (JDBC) ,Connecting GUI (Swings) with JDBC ,Java collections

6. C and Data Structures

Introduction to C Language and algorithms, Programming constructs, Structures, Pointers, Arrays, Linked Lists and its various types, Search algorithms, Sorting algorithms, Stacks, Queues, Introduction to Trees and Graphs.

7. Arduino

Basic Electronics, Introduction to Arduino, Introduction to Digital Inputs, Analog inputs, Working with Serial Communication, Interfacing LCD with Arduino. Interfacing TSOP, Interfacing DS1307 Real Time Clock IC, Understanding and using EEPROM.

8. Raspberry Pi

Introduction to Raspberry Pi , Linux Shell programming, GPIO, C programming on Pi, using Python, IoT Design using Raspberry Pi

9. Web Designing

HTML: Introduction to Web Designing, Various tags- paragraphs, formatting. Lists, Links, headings. Graphics, images, image maps, tables.
Form: Input, select, option text area, frames, frameset
DHTML: Style sheet, span, linking style sheet, objects in DHTML
Jscript Script: Data Type, Working with information, variables, expressions and evaluation, data type conversion, operators, loops, control structure.
DOM: Arrays, Window object, Document object frame
Function: Creating nesting, function parameters, Global and local variables in function, recursion.
Graphics : Link and anchor object.
Validating Text : Data Entry validation, event handling (date, time, empty checks, etc), capturing and deleting events. Validation of forms – numeric, alphabets, email-id