

राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी संस्थान (रा.इ.सू.प्रौ.सं)

**National Institute of Electronics and Information Technology (NIELIT)**

(इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी मंत्रालय, भारत सरकार, की एक स्वायत्त वैज्ञानिक संस्था)

An Autonomous Scientific Society of Ministry of Electronics and Information Technology,

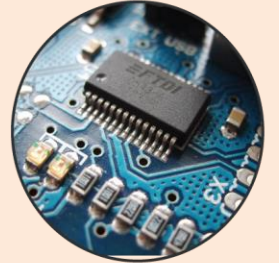
Govt. of India

**दिल्ली केंद्र / Delhi Centre**

**Prospectus 2020-21**



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### Career Conclave 3.0

NIELIT Delhi Centre participated in Career Conclave organized by Directorate of Education, Govt. of NCT of Delhi. 80,000 Students of Class 12th from various Delhi Govt schools attended the event. Students were enlightened about various career options available after studying NIELIT courses. NIELIT Delhi Centre provided information on various courses related to Information Technology, Computer Hardware and Maintenance, Multimedia, Short Term Courses related to Python Programming, Digital Marketing, Cyber Security, Big Data and others. Students were educated about various government schemes in which course can be pursued free of cost for weaker sections.



### Certificate Award Ceremony for Industrial Training Program

NIELIT Delhi Centre conducted Industrial training programmes for Engineering Students from various reputed universities on the courses of Big Data & Hadoop, Cyber Security, Python, Digital Marketing and Java Programming, Web Designing and Android. Certificates awarded to Engineering students on closing of Industrial Training Programs and Meritorious students were also appreciated with memento.

### Training for Directorate General Resettlement (DGR)

The Directorate General Resettlement (DGR) is an inter service organization functioning directly under Department of Ex-serviceman Welfare, Ministry of Defense. DGR assist Ex-Serviceman to train and acquire additional skills and facilitate their resettlement through a second career. NIELIT Delhi centre is a training partner for DGR for conducting NSQF aligned courses in NIELIT O Level, CHM O Level and Certified Multimedia Developer.



### Capacity Building Program for National Security Guard (NSG)

Training on "Cyber Security" and "Network and Server Management" was conducted by NIELIT Delhi Centre for officers of NSG at NIELIT HQ to provide an insight into Cyber Security, explaining various aspects of Cyber Threats, Cyber-attacks and creating awareness about various ways to mitigate the risks and defining roles of Server in a big Network.



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**NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY (NIELIT)**, is an Autonomous Scientific Society of Ministry of Electronics and Information Technology (MeitY), Government of India. It was set up to carry out Human Resource Development and related activities in the area of Information, Electronics and Communication 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 programs. NIELIT has endeavored 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 Bodies, which accredits institutes/organizations for conducting courses of IT in the non-formal sector. NIELIT has forty-three (43) centers with its Headquarters at New Delhi. It is also well networked throughout India with the presence of about 700 + institutes.

## Vision

To be the leader in the development of industry-oriented quality education and training and be the country's premier Institution for examination and certification in the field of Information, Electronics and Communications Technology (IECT).

## Mission

To be the single source for quality assurance in computer education among the nation's non-formal institutes, after turning out competent IT professionals in large numbers, NIELIT reach is now being extended to all regions of the country as well as overseas.

## NIELIT HQ



**NIELIT Bhawan,**  
Plot No. 3, PSP Pocket, Sector-8,  
Dwarka, New Delhi-110077

**Helpline No. (Toll Free) – 1800116511**  
**Phone: - 91-11-25308300-29**  
**Website: <http://nielit.gov.in>**  
**Email:- [contact@nielit.gov.in](mailto:contact@nielit.gov.in)**

NIELIT, DELHI Centre is located at “Inderlok Metro Station” and is housed in a centrally air conditioned spacious Parsavnath Metro Mall. It is well connected with New Delhi Railway Station, Old Delhi Railway Station and Inter State Bus Terminal, Kashmiri Gate. It is easily approachable from all corners of Delhi through Delhi Metro.

## Background

NIELIT, Delhi Centre was setup in March 2000 as Branch Office of NIELIT Chandigarh Centre. It became independent Centre in the year 2012. The Centre is imparting training programs aimed at skill up-gradation and capacity building in emerging areas of Electronics and Information Technology and also handling large projects of Govt. Organizations in different sectors. Delhi Centre is providing its services to various departments of Central Govt., Ministries in NCR and departments/Societies of NCT of Delhi.

At present, the institute offers various courses in the field of IT, Electronics & related disciplines viz.

- (i) DOEACC “O”, “A”, “CHM-O” and “MAT-O” Level courses
- (ii) Short Term IT and Electronics Courses and
- (iii) Other Skill Development Training Programmes.

The Institute has trained more than 20000 trainees in IT, Electronics and related courses / fields and more than thousand trainees have found placements in various public and private sectors.

## Centre’s Thrust Area

- Computer Education and Training
- Corporate Training
- Skill development and Job Oriented Training programmes
- Capacity building Projects and Schemes
- Web Application and Software Development
- Recruitment and Thirds Part Examination Activities
- Facility Management

## Objectives

- Disseminate knowledge on all aspects of IT and Electronics.
- Provide Quality Education and Training to prepare individuals for technology driven business environment effectively.
- Provide quality education to participants for upgrading their technical skills in an environment that is conducive to learning by providing good infrastructure.
- Provide continuing support to learners and trainers through design and development of innovative curricula for meeting the dynamically changing IECT scenarios.
- To impart continuing education for up-gradation of knowledge and skills in view of high obsolescence in the area of Information Electronics and Communication Technology (IECT).

## Achievements

- Delhi Centre has trained more than 20000 students in the field of IECT.
- **SCSP/TSP Sub-Plan:** To uplift the economically and socially deprived sections of the society, NIELIT Delhi has been facilitating the services of imparting free education and trainings on IT courses and related skills to the ST/SC students and job-seekers alike under the SCSP/TSP Sub-Plan sponsored by different ministries like Ministry of Electronics and IT , Labour and Employment, Govt. of India. More than 5000 students of SC-ST category trained free of cost in various disciplines of ICT education as per the schemes of MeitY for the upliftment of the weaker section since 2012.
- Delhi Centre has been providing training of Diploma Courses in IT and Hardware Maintenance to 150 candidates per year of weaker section under SC/ST Jobseekers scheme sponsored by Directorate General of Employment (DGE) for last 10 years.
- **Capacity Building of Govt. Officials:** Govt. employees from multiple departments have been trained in IT & Digital services including digital payments. Provided IT training and services to
  - Border Security Force (BSF)
  - Employee Provident Fund Organization (EPFO)
  - Telecom Regulatory Authority of India (TRAI)
  - Central Reserve Police Force (CRPF)
  - National Security Guard (NSG)
  - Directorate General of Information Sciences (DGIS)
  - Directorate General of Employment (DGE)
  - Department of Science and Technology (DST)
  - Directorate General of Resettlement (DGR)
  - Department of Information Technology, Delhi
  - National Academy of Broadcasting and Multimedia (NABM) etc.
- **Skill Training to underprivileged ST youths and women under IT for Masses Project:** With the focus to empower underprivileged sections of the society and provide better livelihood opportunities, training centres were set up for the first time in the four backward districts of Delhi for training in IT and Soft Skills. In addition, it has helped streamline the untapped potential especially school drop-outs and women.
- **IT for Masses Project 2020-22:** Centre is implementing a Project on “Enhancement of livelihood activities for SC candidates of Delhi NCR through Capacity Building using ICT” Under the scheme “IT for Masses” wherein 1250 SC category students in **Delhi Region** (600 in Data Entry and Office Automation, 50 in Certified Multimedia Developer, 400 in CCC and 200 in IT- O Level course of NIELIT) have to be trained over a period of two years(2020-22).
- Training Partner for the training to JCO/OR of **Directorate General of Resettlement (DGR)** for various NSQF Courses of IT and Electronics. The centre has conducted training of multiple batches of JCO/OR’s of Army, Navy and Air Force successfully.
- Delhi Centre actively participated in Digital Payment initiatives of Government of India. Organised Regional Workshop “On-boarding of self-organised small and medium businesses / traders on Digital Payment Initiatives” at Delhi by Hon’ble Union Minister (E&IT, L&J) which was followed by 4 more Regional Workshops at Jaipur, Kolkata, Mumbai and Chennai, 30 State Workshops and 100 Digi-Dhan camps across India.
- Delhi Centre has been empanelled by DIT, Govt. of NCT of Delhi for website design and development for the departments of NCT of Delhi, PSU and autonomous bodies of Govt. of India

since 2002. It has designed and developed websites of various departments of NCT of Delhi, PSU and autonomous bodies of Govt. of India.

- Centre has successfully completed the development of web application of various Delhi Govt. departments like Delhi Fire Service, Excise Department, Delhi Women Commission, Labour Department etc.
- Centre has successfully completed the development of web application of various Central Govt. departments like Northern Regional Power Committee (NRPC), Central Pollution Control Board (CPCB), State Farms Control of India Ltd.
- (SFCI) etc.
- Delhi Centre has successfully conducted assessment and comparative study of 44 websites of state Police, UT police and other police forces like ITBP, SSB, BSFNDRF, CRPF and CISF.
- Delhi Centre has been empanelled by DIT, Govt. of NCT of Delhi to provide technical manpower to different departments of Govt. of NCT of Delhi. In this regard, centre follows the recruitment procedure to empanel the candidates for the execution of e-Gov and IT Projects. These empanelled candidates are further deputed to various departments as per their requirements.
- NIELIT has developed an application software for Directorate General of Civil Aviation (DGCA) for online registration and examination and also conducted examinations for more than 50,000 candidates for Flight Crew (FC) and 30,000 candidates for Aircraft Maintenance Engg. (AME)
- NIELIT is training provider to provide hands on skill training in specific sector such as IECT and all its related areas under the scheme of Employability Enhancement Training Program (EETP) as per agreement signed with AICTE.
- Successfully conducted Training in implementation of e-Office project in the Department of Science and Technology, Govt. Of India
- Centre has imparted training to Judicial Magistrates of Hon'ble Supreme Court, High Court of Delhi & District Courts.

### **Infrastructure & Facilities**

- The centre covers approximate 11500 sq. ft. area and has centralized air conditioners.
- The Centre has the following Facilities:
  - 4 Class rooms with the capacity of 40 students each
  - 4 Computer Labs having more than 150 systems comprising of latest hardware configuration powered by latest processors which are all connected to LAN and Internet.
  - 1 Multimedia Training Lab has 15 high end workstations.
  - 1 Conference room with projector
  - 1 Server Room having NIELIT Intranet and LAN System
  - 1 Basic Electronics lab with kits and boards like ARM, Micro controller-8051, AVR, Arduino etc. for developing technical knowledge of students aspiring to venture into electronics field.
  - Lab of Internet of Things equipped high end microcontroller like ARM, Ardiuno, RPi etc.
  - VLSI LAB with FPGA Boards.
  - Lease line for Internet Connectivity
  - Cisco Lab has been designed to establish Cisco Local Academy with the state of the art networking equipment.
  - Staff/Faculty Cabins
  - Well-equipped library with more than 1200 volumes of essential books on computers and IT related subjects, CDs etc. Library has subscription of IT magazines as well.

- **E-Learning Facility:** A Learning software called MOODLE is made available in our intranet. E-learning contents of all courses are integrated with MOODLE. Students as well as teachers can access the contents, presentations, assignments whenever needed. The software is also used for delivering lectures by the faculty and also conducting internal tests, quizzes and self-tests for the students.

### Placements

In order to provide an impetus to NIELIT qualifiers, the placement portal facilitates prospective employers to examine and select resumes on specific need and skill sets. Students of NIELIT, Delhi Centre Completing course of O/A Level, “Data Entry and Office Automation” etc. are automatically empanelled for placement in various Central Govt., State Govt. and Municipal Corporation Dept. in Delhi and NCR.

Many of our students have brought laurels to the Centre, for they have been placed in every known sphere of the IT field like Project Leaders in various Software Development Projects, Desktop Publishing and Designing, Web Designing, Systems Analyst, Programmer and Web Optimization etc.

### Location:

NIELIT, Delhi Centre is located at “Inderlok Metro Station” and is housed in a centrally airconditioned spacious Parsavnath Metro Mall which is at the junction of Green line of Delhi Metro (Brigadier Hoshiyar Singh (Bahadurgarh City Park) to Inderlok) and Red line Delhi Metro.(Rithala to Shaheed Sthal (Ghaziabad ISBT) It is well connected with New Delhi Railway Stations (which is just 7 Kms.), & Old Delhi Railway Station (just 6 Kms) and Inter State Bus Terminal Kashmere Gate (just 7Kms) which is hardly 10 minutes Metro Run from Kashmere Gate Metro Station (Red Line). It is easily approachable from all corners of Delhi through Delhi Metro.

### Faculty and Staff

The Centre has highly qualified, well trained, dedicated and experienced computer professionals along with Finance and Administration personnel. The faculties undergo trainings from time to time to update their knowledge in latest technologies. Overall administration of the institute is supervised and monitored by the Director In Charge. In addition, there are separate officers-in charge to oversee the academic section, administrative section and other technical sections.





## Facility Management

Empaneled by DIT, Govt. of NCT of Delhi to provide manpower to different departments of Govt. of NCT of Delhi. Delhi Centre follows the proper recruitment procedure to empanel the candidates for the position of EDP Manager, Systems Analyst, Programmers, Hardware Assistant etc. These empanelled candidates are further deployed to various departments to fulfil their job requirements.

- Providing Technical Support Services to MCD, CERT-In, DIT-NIC, CRIS, Cert-In, MEA, TRAI, Delhi High Court, Depts. of Delhi Govt. etc.
- Students of NIELIT, Delhi Centre Completing course of Data Entry and Office Automation are automatically empanelled for placement in various Central Govt, State Govt ,Corporation Dept. in Delhi and NCR.

## Recruitment and Examination

- The centre is conducting online examinations for NIELIT's CCC, BCC and for various organizations like Directorate General of Civil Aviation, Bureau of Civil Aviation Security, etc.
- The Centre has been providing end to end solutions to various Govt. Organizations and departments for the recruitment of Technical Manpower at various levels. It has carved a niche for itself in the OMR based / Online examinations. The process starts at the receipt of applications followed by the complete Pre Examination, Conduct of Examination and ends at Post examination phase. In this regard, a Office Memorandum has also been issued by MeitY nominating NIELIT as an Agency to conduct the written examination and /or interview for all societies of MeitY.
- The centre is conducting Pre and Post Examination for Online examination and OMR based recruitment examination for various Ministries and Central Govt. Depts.
- The Centre is conducting and evaluating the Typing tests and Computer Proficiency Tests of candidates as mandatory part of recruitment for Ministries and Central Govt. Depts.



### Software Development

NIELIT offers custom web applications development across a wide range of technology platforms. We offer complete web solutions inclusive of Website design, web page redesigning etc.

- Nodal Agency for designing and development of websites of departments of NCT of Delhi, PSU and autonomous bodies of Govt. of India since 2002. It has designed and developed websites of approx. 70 departments of NCT of Delhi, PSU and autonomous bodies.
- Empanelled by DIT, Govt. of NCT of Delhi for maintenance of website (AMC) of departments of NCT of Delhi, PSU and autonomous bodies since 2005. NIELIT has undertaken AMC of websites of approx. 30 departments of NCT of Delhi

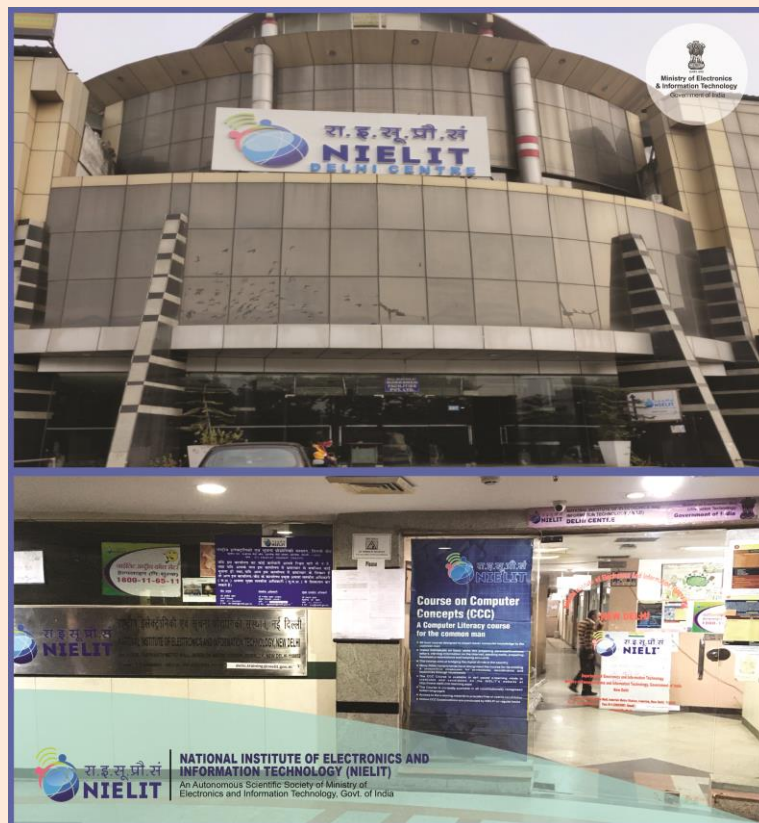
### CCC Section:

- Regional Centre for IT Literacy Training Programmers of NIELIT of Course on Computer Concepts(CCC)/Basic Computer Course(BCC) examinations

### Projects and Schemes:

NIELIT Delhi Centre has been nominated as the Nodal Centre for implementing in Delhi State for:

- Future Skills PRIME
- ESDM (Electronics Sector Design and Manufacturing)
- PMGDISHA Programmes
- IT FOR Masses Scheme for SC candidates
- Nodal Centre for NDLM (National Digital Literacy Mission)
- Nodal Centre for Jeevan Pramaan
- Nodal Centre for e-Waste Training Program



### Long Term Training Courses

#### NIELIT (DOEACC) National Schemes

Sr. No.	Course Name	Duration	NSQF Level
1.	NIELIT 'O' Level (IT)	520 Hrs	5
2.	NIELIT 'A ' Level (IT)	1590 Hrs	6
3.	NIELIT 'A ' Level (IT)(after 'O' Level)	1070Hrs	6
4.	CHM- 'O' Level (Computer Hardware & Maintenance)	400 Hrs	4
5.	MAT- 'O' Level (Multimedia and Animation Technology)	720 Hrs	5

#### Electronics Courses

Sr. No.	Course Name	Duration	NSQF Level
6.	PG Diploma in Internet of Things (IOT)	470 Hrs	7
7.	Certificate Course in Arduino based Embedded System Design	300 Hrs	4
8.	Post Diploma in VLSI Design, Tools and Technology	400 Hrs	5

### Short term/Industrial training/Diploma Courses

Sr. No.	Course Name	Duration	NSQF Level
	<b>❖ Computer Science and IT Courses</b>		
1.	Programming Through C/C#	60 Hrs.	-
2.	Programming Through Python	60 Hrs	-
3.	Object Oriented Programming Through C++	60 Hrs.	-
4.	Programming Through Core Java /with Project	60/80 Hrs.	-
5.	Programming Through C and C++	80 Hrs.	-
6.	Web Application Technologies using J2EE/with Project	60/80 Hrs.	-
7.	Web Application Technologies (ASP.Net with C# )/with Project	60/80 Hrs.	-
8.	Certificate Course in Linux, Apache, MySQL and PHP	60 Hrs.	-
9.	Certificate Course in Linux, Apache, MySQL and PHP	80 Hrs.	5
10.	Certified Android Apps Developer	100 Hrs.	5
11.	Cisco Certified Network Associate(CCNA)	20 weeks	-
12.	CCNA Routing and Switching for CCENT Certification (1 & 2 Mod)	80 Hrs.	-
13.	CCNA Routing and Switching for CCNA Certification (3& 4 Module)	12 weeks.	-
14.	Computer System & Server Administration	60 Hrs.	-
15.	Certificate course in Cloud Computing	60 Hrs.	-

16.	Certificate Course in Big Data and Hadoop	60 Hrs.	-
17.	Certificate Course in System Administration using Linux	80 Hrs.	6
18.	Cyber Security Basic Literacy Course	40 Hrs.	-
19.	Certified Course in Web Designing	80 Hrs.	3
20.	Certificate course in Office Automation(CCOA)	80 Hrs.	3
21.	Certificate Course in Data Entry and Office Automation	135 Hrs	4
22.	Financial Accounting using Tally	40 Hrs.	-
23.	Refresher Course IWD/C	10 Hrs.	-
24.	Certificate Course in Digital Marketing	40/60/80 Hrs	-
25.	Certificate Course in Data Science & Machine Learning using Python	80 Hrs.	-
<b>❖ Electronics/Hardware Courses</b>			
26.	Embedded System using 8051 and ARM /with Project	60/80 Hrs.	-
27.	Embedded System using 8051 and Arduino /with Project	60/80 Hrs.	-
28.	Internet of Things (IOT) using Arduino/with Project	60/80 Hrs.	-
29.	Internet of Things (IOT) using Raspberry Pi/with Project	60/80 Hrs.	-
30.	Certificate Course in VLSI Design	80 Hrs.	5
31.	Certificate Course in Embedded System Design using ARM/Cortex Micro Controller	80 Hrs.	5
32.	Certificate Course in PC Assembly and Maintenance	80 Hrs	3
<b>❖ Multimedia and Animation Technology Courses</b>			
33.	Certified Course in 2D Animator	80 Hrs.	5
34.	Certified Graphic Designer	80 Hrs.	5
35.	Beginners course in Flash	40 Hrs	-
36.	Beginners Course in Photoshop	30 Hrs.	-
37.	Certified Multimedia Developer	200 Hrs	5
38.	3D Animation using Studio Max	3 months	
<b>❖ Digital Literacy Courses</b>			
39.	CCC - Course on Computer Concepts	80 Hrs	3
40.	BCC - Basic Computer Course	36 Hrs	-
41.	ACC- Awareness in Computer Concepts	20 Hrs	-
42.	CCC Plus - Course on Computer Concepts Plus	126 Hrs	-
43.	ECC- Expert Computer Course	200 Hrs	-

**For details of recognition of courses, please visit:**

[http:// www.nielit.gov.in/content/recognition-0](http://www.nielit.gov.in/content/recognition-0)

**For details of courses, please visit:**

<http://www.nielit.gov.in/delhi/content/short-term-courses-0>

- Courses having students less than 10 in a batch will not be started.
- As per the Government of India policy/scheme, No Course fee would be charged from SC/ST candidates for the above mentioned NSQF courses.

## SUMMER/INDUSTRIAL TRAINING

The objective of summer training/Industrial training is to provide industry-oriented quality education leading to employment generation. The students get classroom teaching, lab assignments and mini projects. All short-term courses of IT and Electronics having duration of 6-8 weeks are commenced in the summer training in the month of May-July and winter training in month of Dec-Jan every year for college students pursuing Engineering/BCA/MCA/BBA etc. Admission notice is published in the local dailies about two months prior to commencement of the classes and in the website of Delhi Centre along with complete details.

## ONLINE TRAINING OF SHORT TERM/CERTIFICATE COURSES

All the Short term/Industrial training/Certificate Courses are offered in Online mode also. The detail of courses, guidelines and Schedule of Online training programs will be available on the website [www.nielit.gov.in/delhi](http://www.nielit.gov.in/delhi) from time to time.

## CORPORATE TRAINING

Apart from the courses open to public as detailed in the following pages, Delhi Centre offers tailor-made courses for Govt. departments, Autonomous Bodies and Public Sector Undertakings etc. In the recent years, we have conducted following training programmes:

1. Training of two batches of trainers of **Central Reserve Police Force (CRPF)** on “OOPs Concepts using C#” and “Web Development using ASP.Net with C#” for a period of 30 days.
2. Capacity Building Training for the officials of **National Academy of Broadcasting and Multimedia (NABM)** on “Network and Server Administration” for two weeks in multiple batches and Three days regional international workshop on Cloud Based Content Management.
3. Training on MS-Office and MS-Project, Cyber Security for the officials of **National Security Guard (NSG)**
4. **Computer Proficiency Test:** Training and Conducted Computer Proficiency Test for two batches of new recruited APFC's (Assistant Provident Fund Commissioners') of Department of EPFO- PDUNASS (**Pandit Deen Dayal Upadhyay National Academy of Social Security**)
5. Training of multiple batches at **National Career Service (NCS)**, Noida.
6. Capacity Building Training program for Senior officers of **Border Security Force(BSF)** on 'Big Data Analytics.
7. Capacity Building Training program on CCNA Routing for BSF Personnel for 2 weeks and ASP.Net with C# for 3 weeks.
8. Conducted one day workshop for the officials of **Ministry of Urban Development** on their portal of Swacch Bharat Mission.
9. Training of personnel of **Directorate General of Information Sciences(DGIS)** on Application Management, Networking Management, Database Concepts and Security for programmers.
10. **Directorate General of Resettlement:** Delhi Centre is training partner for the training to JCO/OR of Directorate General of Resettlement for various NSQF Courses of IT, Hardware and Multimedia. The centre has conducted training of eighteen batches of JCO/OR of Army, Navy and Air Force Successfully and trained about 800 defence personnel.

## LONG TERM TRAINING COURSES:

### NIELIT 'O' Level (IT)

NSQF Level: 5

NIELIT 'O' Level course of DOEACC Scheme is equivalent to a **Foundation Level Course in Computer Applications**. Students can acquire this qualification by undergoing this course and passing the examination conducted by NIELIT. After completion of 'O' Level course, students can further enroll for next level IT course of NIELIT 'A' level. NIELIT- 'A' Level is equivalent to Advanced Diploma course in Computer Application. The course commences in the month of January and July every year. Admission notice is published in the local dailies about 2-3 months prior to commencement of the classes and in the website of Delhi Centre along with complete details.

#### Objective:

The objective of the course is to impart required knowledge and skills in I.T. and prepare the candidates for NIELIT examination.

<b>Medium</b>	: English/Hindi
<b>Duration</b>	: 520hrs One Year- Two Semester of 6 months Six Months for Graduates
<b>Eligibility</b>	: 10+2 /ITI Certificate after 10/ 2nd year of a Government recognized polytechnic engineering diploma after 10.
<b>Timings</b>	: 2 Hrs. each working day 4 Hrs. a day for Graduates

#### Syllabus:

Paper Code	Paper Name
<b>First Semester</b>	
M1-R5	Information Technology Tools and Network Basics
M2-R5	Web Design and Publishing
<b>Second Semester</b>	
M3-R5	Programming and Problem Solving through Python
M4-R5	Internet of Things and its Applications
<b>Practical Papers &amp; Project</b>	
PR1-R5	Practical based on the theory papers of the syllabus
PJ1-R5	Project Work

### **Project Work:**

'O' Level (IT) courses have a project as an important component. The project is carried out by the student under guidance and support of faculty. No marks are assigned for this, but Candidates are required to carry out the project successfully. Students who complete the project work have to submit a project report in the prescribed format in Delhi Centre and after the evaluation of the project, a Project completion certificate will be given to the student. The student will submit his/her project report along with Project fee of ₹100/- in NIELIT HQ for issuing pass certificate.

### **Examination:**

#### **1. Theory Examinations:**

NIELIT "O" level theory examination is conducted twice in a year (in the month of January and July) by NIELIT HQ, Delhi. There are numerous examination centres across India. The list of exam centers will be listed while filling of online examination form. Student can choose one of the exam centre according to their convenience. Each paper is of 100 marks and exam duration is 3 hrs. Examination fee for each theory paper is ₹750/- + ₹100/- processing fee.

#### **2. Practical Examinations:**

There is one practical paper for NIELIT "O" Level Course. Students need to provide the option for appearing in practical examination while filling up examination form. The practical examination is based on the syllabus of M1-R5, M2-R5, M3-R5 and M4-R5 modules. Duration of each practical examination is 3 hrs. Practical Examination fee is ₹ 500/-.

### **Career Opportunities:**

After successful completion of the course, students are given placement assistance as well. The career options available to NIELIT 'O' Level qualifiers are:

- \* User Interface (UI) Designer
- \* Web Designer
- \* Web Publication Assistant
- \* Office Automation Assistant
- \* IoT Application Integrator

### **Result of Examination:**

Result of NIELIT-'O' Level examination is published in the NIELIT HQ website <http://www.nielit.gov.in> after 2 months of completion of the exam. Students can check their result from student portal of NIELIT and can also get from the institute.

DOEACC 'A' Level Course is the next level of NIELIT IT Professional Course after 'O' Level. It is equivalent to the Advanced Diploma Course in Computer Application as recognized by Govt. of India for job purposes. The course starts in the month of January and July every year. Admission notice is published in the local dailies about 2-3 months prior to the commencement of the course and in the website of Delhi Centre along with complete details.

**Objective:**

The objective of the course is to impart required knowledge and skills in I.T. and prepare the candidates for NIELIT examination. After completion of this course, students can go for "B" Level (Equivalent to MCA under Ministry of Human Resource Development, Govt. of India vide their notification No. : F2/ 6/ 97-TS.IIIa (.) 54 dated 26th September 2000) then "C" Level Course.

Medium	:	English/Hindi
Duration	:	1590 hrs 1.5 Years - Three Semesters
Eligibility	:	'O' Level in Information Technology under DOEACC Scheme. Such candidates are required to register through NIELIT 'A' Level Accredited institute. Or  A Government recognized polytechnic engineering diploma after 10+2/ Graduate
Timings	:	4 hrs each working day

**Syllabus:**

**Paper Code**

**Paper Name**

**First Semester**

A1-R5	Information Technology Tools and Network Basics
A2-R5	Web Designing & Publishing
A3-R5	Programming and Problem Solving through Python
A5-R5	Data Structure Though Object Oriented Programming Language

**Second Semester**

A6-R5	Computer Organization and Operating System
A4-R5	Internet of Things and its Applications
A7-R5	Database Technologies
A9.1-R5	Big Data Analytics using Hadoop (Specialized Area-1)
PR-I	Practical based on A1-R5, A2-R5, A3- R5 and A4-R5
PR-II	Practical based on A5-R5, A6-R5 and A7-R5
PJ-I	Mini Project

**Third Semester**

A8-R5	Systems Analysis, Design and Testing
A10.1-R5	Data Science using Python (Specialized Area-2)
PJ-II	Major Project based on Specialized area(A9.1-R5 and A10.1-R5)



## NIELIT IT-'A' Level (After O Level)

NSQF Level:6

Medium	:	English/Hindi
Duration	:	1070 hrs 1 Years - Two Semesters
Eligibility	:	'O' Level in Information Technology under DOEACC Scheme.
Timings	:	4 hrs each working day

### Syllabus:

Paper Code	Paper Name
<b>First Semester</b>	
A5-R5	Data Structure Though Object Oriented Programming Language
A6-R5	Computer Organization and Operating System
A7-R5	Database Technologies
A9.1-R5	Big Data Analytics using Hadoop (Specialized Area-1)
PR-II	Practical based on A5-R5, A6-R5 and A7-R5
<b>Second Semester</b>	
A8-R5	Systems Analysis, Design and Testing
A10.1-R5	Data Science using Python (Specialized Area-2)
PJ-II	Major Project based on Specialized area(A9.1-R5 and A10.1-R5)

### Project Work:

**Mini Project:** The candidate registered in 'A' Level in Information Technology (IT) under DOEACC Scheme is required to submit two projects, one mini project and second major project. Students who complete the mini project submit a project completion certificate in the prescribed format to NIELIT HQ with requisite project fee. The project should be of minimum 40 man-hours and carries a total of 100 marks. The students of "A level after O level" need not submit the mini project.

**Major Project:** NIELIT curriculum has a Major project as an important component of 'A' Level course in Information Technology. The Project is to be carried out by the student under guidance and support of faculty of the institute. Student can submit the Major project based on specialized area which the student has opted and after clearing 5 papers of the 'A' Level Course in IT and has appeared in both the modules of opted specialized area.

Students who complete the project work have to submit a project report in the prescribed format in Delhi Centre and a Project completion certificate will be given to the student. The student will submit his/her project report along with Project fee of Rs 1000/- in NIELIT Hq for Project Evaluation by subject expert. The project should be of minimum 350 man-hours and carries a total of 200 marks (80% for the project evaluation and 20% for the viva-voce).

## Examination:

### 1. Theory Examinations:

NIELIT “A” level theory examination is conducted twice in a year (in the month of January and July) by NIELIT HQ, Delhi. There is a number of examination centres all over India. The list of exam centers will be listed while filling of online examination form. Student can choose one of the exam centres according to their convenience. Total marks of each paper is 100 and exam duration is 3 hrs. Examination fee for each theory paper is ₹750/- + ₹100/- processing fee.

### 2. Practical Examinations:

Practical Examination for NIELIT-“A” Level course will be conducted at the Institute itself under the supervision of DOEACC Society, New Delhi. Students need to provide the option for appearing in practical examination(s) while filling up online examination form with the payment of practical examination fee of ₹500/-per paper. Duration of each practical examination is 3 hrs.

NIELIT “A” Level Course has two practical papers viz. PR-1 & PR-2 carry marks 100 (including 20 marks for Viva Voce) each. PR-1 will be based on A1-R5 to A4-R5 and PR-2 will be based on A5-R5 to A7-R5.

## Career Opportunities:

After successful completion of the course, students are given placement assistance as well. The career options available to a NIELIT ‘A’ Level qualifiers are:

- Freelancer (For self-employed)
- Full Stack Developer
- Data Scientist/Analyst
- IoT Architect
- IoT Developer
- Business Intelligence Analyst
- Information Security Analyst
- Training Faculty

## Result of Examination:

Result of NIELIT- ‘A’ Level examination is published in the NIELIT HQ website <http://www.nielit.gov.in> after 2 months of completion of the exam. Students can check their result from student portal and can also get from the institute.

**Objective:**

This is a diploma course in Computer Hardware Maintenance. The Objective of this course is to train 10+2, Diploma, graduate and other degree Qualifiers to acquire basic knowledge in Computer hardware and peripherals for installation, trouble shooting and maintenance of computers including system software management and its back up and to undertake disaster prevention, diagnosis and rectification of faults besides personality development and communication skills. Further, after completion of CHM 'O' Level, students can continue NIELIT CHM 'A' level course to gather advanced skills in this field.

The course starts in month of February and August every year. Admission notice of this course is also published in local dailies about 2-3 months prior to the commencement of course and in the website of Delhi Centre along with complete details.

Medium	: English
Duration	: 400 hrs One Year- Two Semester
Eligibility	: 10+2(Science)/ITI (1Year after 10) in Electrical/ Electronics/ Computers/ Instrumentation Engineering
Timings	: 2 hrs each working day

**Syllabus:**

Paper Code	Paper Name
<b>First Semester</b>	
H1/HP1	PC Hardware & Components
H2/HP2	PC Architecture
H3/HP3	Advanced Networks and Networking Peripherals
<b>Second Semester</b>	
H4/HP4	Operating System, Software & Tools
H5/HP5	Personality Development
H6/HP6	Devices and Applications

**Examination:**

**Theory Examinations:**

The examination is conducted by NIELIT, (Aurangabad Centre) two times in a year in the month of August & February every year in online mode.

Full marks of each paper are 100 and exam duration is 90 minutes. Examination fee for each theory paper is ₹500 +GST.

### **Practical Examinations:**

There are six practical papers for this course for each paper carrying 50 marks (10 marks each for Viva Voce) each. Practical Examination is conducted at NIELIT, Delhi Centre for the trainees of NIELIT under the supervision of NIELIT.

### **Project Work:**

There is a mandatory project work for the course, despite carrying no marks.

### **Career Opportunities:**

After successful completion of the course, students are given placement assistance as well. The career options available to a CHM-O Level qualifier are:

- Technicians (PC)
- Troubleshooters
- Assistant System Administrators
- Lab Demonstrator

## **Diploma in Multimedia and Animation Technology (MAT-O Level)-NSQF Level:5**

This is technical diploma course offered in the non-formal education context. MAT-O Level Course is a foundation course of NIELIT in the field of Multimedia & Animation Technology. The duration of the course is 1 Year (2 semesters of 6 months each). The course commences in the month of February and August every year. Admission notice is published in the local dailies about 2-3 months prior to commencement of the classes and in the website of Delhi Centre along with complete details.

### **Objective:**

The Objective of the course is to impart basic knowledge to appreciate the basic Multimedia systems, tools and techniques, implement components of Multimedia productions, Web Designing and Animation production skills including 2D/3D animation as well as web based multimedia as per prevailing market trends

Medium : English  
Duration : 720 hrs  
One Year- Two Semester  
Eligibility : 10+2 in any stream.  
Timings : 4 hrs each working day  
b/w 9.00 a.m. - 5.30 p.m.

## Syllabus:

Paper Code	Paper Name
<b>First Semester</b>	
MAT.O1.R0	Introduction to Information Technology
MAT.O2.R0	Introduction to Multimedia
PR-1	First Practical (based on MAT-01,02 syllabus)
Mini Project	Project (based on MAT-02 syllabus)
<b>Second Semester</b>	
MAT.O3.R0	Multimedia Processing Techniques
MAT.O4.R0	Multimedia Design Principles & Applications
PR-2	Practical in Second Semester
Major Project	Project in Second Semester

## Examination:

### Theory Examinations:

“MAT-O” Level theory examination is conducted twice a year (in the month of February and August) by NIELIT, New Delhi. Examination forms must be submitted online through NIELIT website. There are number of examination centres all over India available/provided for, Students can choose one of the available examination centre according to their convenience.

Full mark of each paper is 100 and exam duration is 3 hours. Examination fee for each theory paper is ₹500/- and processing fee is ₹100/-.

### Practical Examinations:

There are two practical papers for “MAT-O” Level Course. Practical-1 is in First semester and carries 50 marks and Practical-2 is in Second semester and carries 100 marks. Practical Examination is conducted at the Institute under the supervision of NIELIT, New Delhi. Students provide the option for appearing in practical examination while filling up exam form with payment of additional practical examination fee of ₹300/-. Duration of each practical examination is 3hours.

### Project Work:

Project Work under the NIELIT Scheme is an integral part of the curriculum to qualify for the certificate.

- Mini Project: MAT-‘O’ Level student can submit their mini project at the end of the first semester which should be carried out by the candidate in the Centre and evaluated internally. Mini Project carries 50 marks
- Major Project: Major project is an important component of ‘MAT-O’ Level course. The Project is to be carried out by the student under guidance and support of faculty of the. Centre. Student can submit the Major project using various multimedia softwares covered in the syllabus. Final Project report is submitted in the second semester examination and is evaluated by External Multimedia Expert from the academia or Industry. Major Project carries 200 marks.
- Project Fee: Mini Project Fee is ₹500/- and Major Project Fee is ₹1000/- The Project fee is to be submitted to Delhi Centre.

## Career Opportunities

The career options available to a MAT- 'O' Level qualifiers are:

- Multimedia Production Assistant
- Multimedia Technician
- Web Developer
- Graphics Designer
- Multimedia Design Specialist etc.

## Result of Examination:

### NIELIT-'O', 'A' Level

Result of NIELIT-'O', 'A' Level examination is published in the NIELIT website <http://student.nielit.in> after 2 months of completion of the exam. Results are also sent from the NIELIT Head Quarter to the candidates individually. The result is provided in the form of Grade. The mark scored in practical paper is not counted for calculating overall grade of the exam but, clearing practical paper is a necessary criterion for awarding the certificate.

Following is the Gradation system of the above DOEACC Course:

Sr. No.	Course Name	Eligibility
1.	Below 50%	F (Fail)
2.	50% - 54%	D
3.	55% - 64%	C
4.	65% - 74%	B
5.	75% - 84%	A
6.	85% & above	S

Re-evaluation of marks can be requested within one month from the date of announcement of the result. The application along with requisite fee of ₹ 200/- per module/paper is sent directly to Examination Section, NIELIT HQ. If changes are made after correction, the result is sent to the candidates from the NIELIT Head Quarter.

### CHM-O Level

Result of CHM-O Level examination is published on website of NIELIT Aurangabad Centre [www.nielit.gov.in/aurangabad](http://www.nielit.gov.in/aurangabad). For the students of NIELIT Delhi Centre, results can be enquired from the office. Results are declared in terms of grades like DOEACC 'O' & 'A' Level Courses.

### MAT-O' Level

Result of 'MAT-O' Level examination is published in the NIELIT website <http://student.nielit.in> normally after 2 months of completion of the exam. Results are also sent from the NIELIT Head Quarter to the

candidates individually. The result is provided in the form of Grade. 'MAT-O' Level course follows the grading system of DOEACC 'O' Level.

Re-evaluation of marks can be requested within one month from the date of announcement of the result. If changes are made after correction, the result is sent to the candidates from the Headquarter.

### Qualifying Percentage

In order to qualify in an examination for each subject in NIELIT Courses (that is DOEACC- 'O', 'A') a candidate must obtain at least 50% marks in Theory and Practical examination for each Subject/Module.




## Online Training of Short term/Certificate Courses


All the Short term/Industrial training/Certificate Courses of duration 60-80 hrs, as mentioned above, are offered in Online mode also. The course curriculum and course fee for Online Courses will vary from Classroom Training Program. The detail of courses, guidelines and Schedule of Online training programs will be available on the website [www.nielit.gov.in/delhi](http://www.nielit.gov.in/delhi) from time to time.

**Participant Testimonials**




“ This course was not only perfectly designed but also has been perfectly delivered, starting from the basics so that anyone with little or no knowledge in Programming can get the basics done and about the instructor it was phenomenal to learn under his guidance, the way he used to explain topics and clear our doubts was perfect thumbsup for him and for the kind of course and content. ”



★★★★★  
**Aman Sharan**  
Certificate course in  
Programming Through C  
2 Weeks ( Faculty - Mr.Ankur Pruthi )



**DELHI CENTRE**

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  @NDL\_NIELIT  
  <http://nielit.gov.in/delhi/>

**Participant Testimonials**

“ It was very interesting and valuable experience.I learned a lot ,it gave me a good grounding in the basics.It really made me more passionate in the field of Digital Design and Verilog HDL along with FPGA Prototyping.Faculty members are very supportive and clear all our doubts in the best way possible. So,I owe a lot to the NIELIT for providing me such insightful and conceptually sounded Course. ”



★★★★★  
**Abhishek Kumar**  
Certificate Course in  
VLSI Design  
4 Weeks ( Faculty - Mr. Nilesh Varshnay )



**DELHI CENTRE**

## Short term/Industrial training/Certificate Courses

NIELIT Delhi Centre offers various Certificate courses – NSQF and Non-NSQF Courses as per industry demand from time to time. The duration of these courses is normally 2-3 months with 2 to 4 hours training per day including theory and practical sessions.

There are 85 courses which are National Skill Qualification Framework (NSQF) compliant and rests are likely to be aligned in due course. (<http://nqr.gov.in>).

Admission for the courses will be on first-come, first-serve basis or on the basis of merit of Aptitude/Skill test conducted by centre. Admission notices are published in the local dailies about 1-2 months prior to commencement of the course and in the website of Delhi Centre along with complete details. The criteria and details in the advertisement will be taken as final.

An examination/test of Non-NSQF Course is conducted at the end of training programme by NIELIT, Delhi Centre whereas for NSQF Courses, centralized online examination is conducted by NIELIT HQ as per the SOP and the guidelines of the qualification file of the NSQF Course. The certificates are issued to the successful trainees after the completion of the course. The curriculum and other course details of the NSQF Course can be checked from the website [www.nqr.gov.in](http://www.nqr.gov.in)

## Computer Science and IT Courses

### Certified Course in Web Designing

NSQF Level-3

#### OBJECTIVE

The objective of this course is to impart or enhance technical skills/knowledge to design the WebPages and Website.

#### Learning Outcomes:

- A website is Published using application Server i.e. Tomcat/ IIS
- Apply Java script Code to sites.
- Develop Motion Graphic with Flash.
- Apply proper layout and interactive website design.

Duration	:	80 hrs
Eligibility	:	Basic Computer Knowledge
Timings	:	2 hrs each working day

#### Career Opportunities

The career options available are Front end Web Designer, Web Site Maintenance.

**Certificate Awarding Body:** NIELIT



## Certificate Course in Linux, Apache, MySQL and PHP

NSQF Level-5

### OBJECTIVE

The objective of this course is to impart or enhance technical skills/knowledge in the area of web designing, to get unemployed youth in work, to upgrade the skills of people already in work in Web Development using open source technology and Entrepreneurship development.

### Learning Outcomes:

After Completion of this course students will be able to design and develop a complete web application independently.

Duration	:	80 hrs
Eligibility	:	B.E./B.Tech/NIELIT A Level/BCA or Its equivalent
Timings	:	2 hrs each working day b/w 9.00 a.m. - 5.30 p.m.

### Career Opportunities

The career options available are **Web Designer/Developer**.

**Certificate Awarding Body:** NIELIT

## Certified Android Apps Developer

NSQF Level-5

### OBJECTIVE

The objective of this course is to impart or enhance technical skills to provide employment opportunities in mobile application development sector.

### Learning outcome:

The student is able to recognize the concepts of android and create applications and activities of android

- The student is able to create user interfaces and intents, and learn the use of broadcast receivers, adapters, and the internet
- The student is able to create files, save files in android and preference, and manage application with database
- The student is able to acquire and demonstrate expert skills on android through project work

Duration	:	100 hrs.
Eligibility	:	Graduate/Undergraduate and knowledge of Java, Internet Concepts and Database
Timings	:	2-3 hrs each working day

### Career Opportunities

The career options available are **Android App Programmer, Android App Developer**.

**Certificate Awarding Body:** NIELIT

## Certificate Course in System Administration using Linux

NSQF Level-6

### OBJECTIVE

The objective of this course is to get the understanding of the role and responsibilities of a Linux system administrator. Install and configure the Linux operating system, manage the resources and security of a computer running Linux at a basic level, Make effective use of Linux utilities, and scripting languages and Configure and manage simple TCP/IP network services on a Linux system.

Duration	:	80 hrs
Eligibility	:	B.Sc. (CS)/BCA/PGDCA/Diploma (CS/IT)/NIELIT 'A' Level (S/W)
Timings	:	2-3 hrs each working day b/w 9.00 a.m. - 5.30 p.m.

### Learning Outcomes:

After completing this course, students will be able carry the duties of a Linux system administrator. Students will learn to do file processing, process management, IO management, queues management, networking, storage backup, account management, proper system start-up and shutting down, as well as other tasks.

### Career Opportunities

The career options available are Assistant System Administrator. Initially candidate can work as a trainee whose role would be to assist UNIX system administrator to identify and troubleshoot basic system & network related problems.

## Certificate course in Office Automation(CCOA)

NSQF Level -3

### Objective of the Course:

To provide an in-depth training in use of computer, internet and internet tools. The course also helps the candidates to get unemployed youth in work, to upgrade the skills of people and Digital literacy.

Duration of the Course	:	80 hours (2hrs a day)
Minimum Eligibility	:	10+2 passes in any stream

### Learning Outcomes:

After completion of the course, student will be able to pursue DTP, any advanced level course in ICT. Candidate can use important tools in the creation of application such as newsletters, brochures, making document using photographs, charts, presentation, drawings and other graphic images.

### Career Opportunities

The career options available are Front Office Counselor, Office Assistant, Data entry operator, Lab Assistant.

**Certificate Awarding Body:** NIELIT

**Objective of the Course:**

To provide an in-depth training in use of data entry, internet and internet tools. The course also helps the candidates to get acquainted with IT.

Duration of the Course : 135 hours (9 weeks, 3 hrs a day)

Minimum Eligibility: 50% marks in 10+2 in any stream or any ITI Certificate (One Year) after class 10<sup>th</sup>

**Learning Outcomes:**

After completion of the course, students would be able to create/ modify documents, spreadsheets, make small presentations and would be acquainted with internet and will have good typing speed.

**Career Opportunities**

The career options available are Data Entry Operator, Computer Operator, Computer Assistant. The candidates. Students completing this course successfully are automatically empaneled as Data Entry Operator and placed in in various Centra/State Govt. and Municipal Corporation Dept. in Delhi and NCR.

**Admission process:** Advertisement is published in the local dailies and in the website for online registration for the admission in this course. The Admission is taken based on the online aptitude test/ merit wise list of the registered candidates. The merit is based on the marks(%age) of candidates in 12th class.

**Certificate Awarding Body:** NIELIT

**Other Short-term Courses in IT/CS:**

Normally admission to the course is based on first come first serve basis by NIELIT Delhi Centre. Admission notice is published in the local dailies one month prior to commencement of course. The updated curriculum of the course is available in the website of NIELIT Delhi Centre. An examination/test is conducted at the end of the training programmes by NIELIT Delhi Centre and certificates are issued to the successful trainees.

Sr. No.	Course Name	Eligibility	Duration
1.	Programming Through C/C#/Python	Basic Knowledge of Computer	60 Hrs.
2.	Certificate Course in Object Oriented Programming Through C++	Basic Knowledge of any programming Language	60 Hrs.
3.	Programming Through Core Java /with Project	Basic Knowledge of any programming Language	60/80 Hrs.
4.	Programming Through C and C++	Basic Knowledge of Computer	80 Hrs.
5.	Web Application Technologies using J2EE/with Project	Basic Knowledge of any programming language	60/80 Hrs.
6.	Web Application Technologies (ASP.Net with C# )/with Project	Basic Knowledge of any programming language	60/80 Hrs.
7.	Certificate Course in Linux, Apache, MySQL and PHP	Basic Knowledge of any programming language	60 Hrs.

8.	Cisco Certified Network Associate(CCNA)	Engineering/'A' or 'B' Level /Bsc/Msc(IT)/MCA/ Basic Knowledge of Computer	20 weeks
9.	CCNA Routing and Switching for CCENT Certification (1 & 2 Mod)	Basic Knowledge of Computer (Prior Knowledge of Networking not essential)	80 Hrs.
10.	CCNA Routing and Switching for CCNA Certification (3& 4 Module)	Completion of CCNA Module-1 & Module-2	12 weeks.
11.	Computer System & Server Administration	10+2	60 Hrs.
12.	Certificate course in Cloud Computing	Undergoing B.E.(CS/IT)/B. Tech(CS/IT)/MCA/M.Sc.(CS/IT)/B. Sc(CS/IT)/BCA Or NIELIT O/A/B -Level/PGDCA	60 Hrs.
13.	Certificate Course in Big Data and Hadoop	Undergoing B.E.(CS/IT)/B. Tech(CS/IT)/MCA/M.Sc.(CS/IT)/B.Sc(CS/IT)/B CA Or NIELIT O/A/B -Level/PGDCA	60 Hrs.
14.	Cyber Security Basic Literacy Course	12thPassedwith basic computer and networking knowledge.	40 Hrs.
15.	Financial Accounting using Tally	Basic Computer Knowledge	40 Hrs.
16.	Refresher Course IWD/C	10+2	10 Hrs.
17.	Certificate Course in Digital Marketing	10+2 &Pre Requisites: Knowledge of Basic computer and Internet	40/60/80 Hrs
18.	Certificate Course in Data Science & Machine Learning using Python	10+2	80 Hrs.

## Hardware and Electronics Courses

### Certificate Course in Embedded System Design using ARM/Cortex Micro Controller NSQF Level-5

#### Objective:

This course aims to make students to get the skills of programming the microcontroller, interfacing of external peripherals to microcontroller and troubleshooting of microcontroller based embedded electronic systems/products

Duration	: 80 hrs
Eligibility	: Undergoing B.Tech in Electronics/Electronics & Communication
Timings	: 2-3 hrs each working day b/w 9.00 a.m. - 5.30 p.m.

#### Learning Outcomes:

After the end of the course the student will be able to complete a significant ARM/ Cortex Microcontroller project having a set of objective criteria and design constraints.

**Career Opportunities:** Embedded Engineer

**Certificate Awarding Body:** NIELIT

**OBJECTIVE**

This course aims to providing detailed knowledge in VLSI design process starting from digital design, hardware descriptive languages, RTL, synthesis & simulation, verification, FPGA programming & implementation. In this process the student will understand the entire logic design process and will be able to take on the challenges posed by the even demanding chip design industry.

Duration	:	80 hrs
Eligibility	:	Engineering Graduates (Undergoing also).
Timings	:	2-3 hrs each working day b/w 9.00 a.m. - 5.30 p.m.

**Learning Outcomes:**

After the end of the course the student will be able to complete a significant VLSI design project having a set of objective criteria and design constraints.

**Career Opportunities:** VLSI Engineer

**Certificate Awarding Body:** NIELIT

**OBJECTIVE**

The Arduino is an open-source computer hardware/software platform for building digital devices and interactive objects that can sense and control the physical world around them. In this course you will learn how the Arduino platform works in terms of the physical board and libraries and the IDE (integrated development environment). The course will also cover programming the Arduino using C code and accessing the pins on the board via the software to control external devices.

Duration	:	300 hrs
Eligibility	:	Diploma in Electronics/Electronics & Communication/Electrical/Electrical & Electronics/ Instrumentation/ Biomedical /Computer Science/Information Technology Or B.Sc. in Electronics/ Instrumentation/Computer Science/Information Technology.
Timings	:	4 hrs each working day b/w 9.00 a.m. - 5.30 p.m.

**Learning Outcomes:**

After the completion of the course, the students will be specialized in Embedded System Design using Arduino.

**Career Opportunities:**

Specialized Embedded System Engineer

**Certificate Awarding Body:** NIELIT

## Post Graduate Diploma in Internet of Things (IoT)

NSQF Level :7

### OBJECTIVE

This course focuses on the latest microcontrollers with application development, product design and prototyping. Ideally suited for engineering students and graduates with a basic understanding of electronics and microprocessors. The Internet of Things (IOT) is the next wave, world is going to witness. Today we live in an era of connected devices (mobile phones, computers etc.), the future is of connected things (eg: home appliances, vehicles, lamp-posts, personal accessories, your pets, industrial equipments and everything which you use in day-to-day life). Internet of Things is a term given to the attempt of connecting objects to the internet and also to each other - allowing people and objects themselves to analyze data from various sources in real-time and take necessary actions in an intelligent fashion.

Duration	: 470 Hrs
Eligibility	: M.E./M.Tech or B.E./B.Tech in Electronics & Communication/Electrical & Electronics/Instrumentation/ Biomedical /Computer Science/ Information Technology or M.Sc in Electronics/ Instrumentation/ Computer Science/ Information Technology

### Learning Outcomes:

- After the completion of the course, the students will be able design some IOT based prototypes
- Exposure with different families and architectures of Internet of things and tools such as ARM Microcontrollers, Embedded operating systems, Wireless sensor networks, IoT architecture and protocols etc.
- Expertise required designing any IoT products (H/w or S/w or both) based on any of the above devices.

**Career Opportunities:** Specialized IoT Engineer ,IoT System Design Engineer, IoT System Manager

**Certificate Awarding Body:** NIELIT

## Post Diploma in VLSI Design, Tools and Technology

NSQF Level: 5

### OBJECTIVE

This course is frequently updated in synchronization with the industry to provide the trainees in-depth knowledge and skills required by Embedded & VLSI markets around the globe. It provides comprehensive understanding about the fundamental principles, methodologies and industry practices.

Duration	: 400 Hrs
Eligibility	: Diploma Holder, B Sc. Graduate Pursuing and Passed (B.Tech/ M.tech/M Sc.)
Timings	: 4 hrs each working day b/w 9.00 a.m. - 5.30 p.m.

### Learning Outcomes:

- After the completion of the course, Students acquire hands-on experience in using CAD tools in VLSI design.
- To be able to understand designed functional Analog and digital system and Mixed signal design into a target FPGA.
- Handling of EDA tools Hardware and Software for development of VLSI Circuitry.
- Able to specify components and equipment required for VLSI product development.
- They will understand type of Programmable Logic Devices, FPGA, CLB and flip flops, RAM
- Gain knowledge related to different Methodology like OVM, UVM, AVM and ABV used in in VLSI and MOSFET fabrication for Designing of VLSI components.
- Will explore the CMOS fabrication technique and its different properties and understanding SPICE tool for simulation.
- Handling of prototype and pre-production VLSI product for various electronic system and liaise with supplier for production implementations.

### Career Opportunities:

This uniquely hybrid course makes the successful participants readily employable in multiple roles available in broad spectrum of relevant industries like:

- a. Circuit Layout Designing
- b. Circuit Testing
- c. Research and Development

**Certificate Awarding Body:** NIELIT

### Other Short term Electronics Courses:

Normally admission to the course is based on first come first serve basis by NIELIT Delhi Centre. Admission notice is published in the local dailies one month prior to commencement of course. The updated curriculum of the course is available in the website of NIELIT Delhi Centre. An examination/test is conducted at the end of the training programmes by NIELIT, Delhi Centre and certificates are issued to the successful trainees.

Sr. No.	Course Name	Eligibility	Duration
1.	Embedded System using 8051 and ARM /with Project	Pursuing/Passed B.E./B. /BCA/MCA/BSc./MSc.(IT/CS/Electronics ) or Graduate (any stream) with PG Diploma (CA/CS/IT)/NIELIT A/B Level /NIELIT CHM-A Level or pursuing AICTE Approved three years diploma in Electronics /Electrical/Computers /Instrumentation or Equivalent	Tech 60/80 Hrs.

2.	Embedded System using 8051 and Arduino /with Project	Pursuing/Passed B.E./B. Tech /BCA/MCA/BSc./MSc.(IT/CS/Electronics ) or Graduate (any stream) with PG Diploma (CA/CS/IT)/NIELIT A/B Level /NIELIT CHM-A Level or pursuing AICTE Approved three years diploma in Electronics /Electrical/Computers/Instrumentation or Equivalent.	60/80 Hrs.
3.	Internet of Things (IOT) using Arduino/with Project	Pursuing/Passed BE/B.Tech/BCA/BSc/NIELIT 'O' Level with graduation/NIELIT 'A' Level	60/80 Hrs.
4.	Internet of Things (IOT) using Raspberry Pi/with Project	Pursuing/Passed BE/B.Tech/BCA/BSc/NIELIT 'O' Level with graduation/NIELIT 'A' Level	60/80 Hrs.
5.	Certificate Course in PC Assembly and Maintenance (NSQF Level-3)	Pursuing/Passed 10+2	80 Hours

## Digital Literacy Courses (DLC)

### Course on Computer Concepts (CCC)

NSQF Level -3

#### Introduction:

This course is designed to aim at imparting a basic level Digital Literacy programme for the common man. This programme has essentially been conceived with an idea of giving an opportunity to the common man to attain computer literacy thereby contributing to increased and speedy PC penetration in different walks of life. After completing the course, the incumbent should be able to use the computer for basic purposes of preparing his personnel/business letters, viewing information on internet (the web), receiving and sending mails, preparing his business presentations, preparing small databases etc. This helps the small business communities, housewives, etc. to maintain their small accounts using the computers and enjoy in the world of Information Technology.

#### Eligibility:

Duration	: 80 hrs
Eligibility	: Pursuing/Passed 10
Timings	: 2 hrs each working day b/w 9.00 a.m. 5.30p.m.

**Certificate Awarding Body:** NIELIT

**Examination:** The candidates have to apply for Online examination through Student portal with requisite examination fee. An online examination of 90 minutes duration is held at NIELIT & its Extension Centre by NIELIT Delhi. The test comprises of 100 Multiple Choice type or True/False type questions. The online every month exam cycle starts on 1st Saturday (tentative) of every month. The online exam is comprised of 100 marks with no negative marking and qualifying marks are 50%.

#### Learning Outcome:

After completing the course, the incumbent will be digitally literate and will be able to:



- Acquire confidence in using computer techniques available to users
- Recognise the basic components of computers and terminology
- Understand data, information and file management
- Create documents using Word processor, Spreadsheet & Presentation Software
- Understand computer networks, and browse the internet, content search, email and collaborate with peers
- Use e-governance applications; and use computer to improve existing skills and learn new skills
- Use internet for digital financial services. The module on financial literacy will enable the individuals to understand the various financial services and be aware of the various schemes of Government of India.

For More Details please visit at <http://nielit.gov.in/delhi/content/course-computer-concepts-ccc>

**Other DLC Courses:** Normally admission to the course is based on first come first serve basis by NIELIT Delhi centre. Admission notice is published in the local dailies one month prior to commencement of course. The updated curriculum of the course is available in the website of NIELIT Delhi Centre. An examination/test is conducted at the end of the training programmes by NIELIT, Delhi Centre and certificates are issued to the successful trainees.

Sr. No.	Course Name	Eligibility	Duration
1.	BCC – Basic Computer Course	No minimum qualification	36 Hrs
2.	ACC- Awareness in Computer Concepts	No minimum qualification	20 Hrs
3.	CCC Plus - Course on Computer Concepts Plus	10 <sup>th</sup>	126 Hrs
4.	ECC- Expert Computer Course	10+2	200 Hrs

## Multimedia and Animation Courses

### Certified 2D Animator

NSQF Level -5

#### Objective of the Course:

- Develop story line concept and outline conceptual ideas through storyboarding
- Develop multimedia and animated rich content using Photoshop and Flash

#### Learning outcome:

- Demonstration of developed story line concept through storyboarding
- Demonstration of Image Editing
- Demonstrate working knowledge of animation principles and techniques
- Problem solving skills are developed and demonstrated through Project Work

Duration	:	80 hrs
Eligibility	:	10th Pass

Timings : 2 hrs each working day b/w 9.00 a.m. - 5.30p.m.

**Certificate Awarding Body:** NIELIT

**Job Roles:** 2D Animator, 2D Visual Designer, 2D Compositor

### Certified Multimedia Developer

NSQF Level -5

#### Objective of the Course:

- To acquire knowledge on basics of Multimedia systems, Image Editing and Graphic Design Techniques
- To learn 2D/3D Animation Principles and Techniques
- To develop skill on video editing and special effects, Web Page Design and Development

#### Learning outcome:

- The student is able to explain the basics of multimedia systems and its applications
- Develop knowledge of Image Editing & Graphic Design Techniques
- Explain audio editing techniques and demonstrate a working knowledge of audio editing techniques
- Explain 2D Animation principles & techniques and transformation tools and its implementation
- Develop Skills on video editing and special effects techniques
- Understand and practice 3D Animation Techniques and demonstrate a working knowledge of 3D Animation Techniques
- Explore knowledge on Web Page Design & Development • Develop problem solving skills through Project Work

Duration	:	200 hrs
Eligibility	:	10+2 Pass
Timings	:	2 hrs each working day b/w 9.00 a.m. - 5.30p.m.

**Certificate Awarding Body:** NIELIT

**Job Roles:** Multimedia Developer, Multimedia Designer, Multimedia Programmer, Multimedia Specialist

### Certified Graphic Designer

NSQF Level -5

**Objective of the course:** Introduction to graphic design using multimedia elements like Text, Images and Graphics with special emphasis on illustration and layout and optimization of content for printing, vector tools, Image editing etc.

**Learning outcomes:** On completion of the course the student will be able to take up digital graphics design jobs for the graphics print industry.

Duration	:	80 hrs
Eligibility	:	10+2 Pass
Timings	:	2 hrs each working day b/w 9.00 a.m. - 5.30p.m.

**Certificate Awarding Body:** NIELIT

**Job Roles:** • Junior graphic designers • Desktop Publisher • Assistant Web Designer • Packaging Designer • Graphic Operator

### Certified Audio-Visual Designer

NSQF Level -5

#### Objective of the course:

The objective of this course is to let the student understand the fundamental concepts of digital audio & video editing. And how to perform audio and video editing on a basic level and apply them in production activities.

#### Learning outcomes:

This course will provide an opportunity for the students to create a variety of audio and video productions, allowing them to express personal creativity while developing the ability to conceptualize story ideas and effectively translate these ideas into video and audio production.

Duration	:	80 hrs
Eligibility	:	10+2
Timings	:	2 hrs each working day b/w 9.00 a.m. - 5.30p.m.

**Certificate Awarding Body:** NIELIT

**Job Roles:** Audio Visual Designer, Audio Engineer, Studio Technician, Production Assistant (Audio & Video)

#### Other Multimedia Courses:

Normally admission to the course is based on first come first serve basis by NIELIT Delhi Centre. Admission notice is published in the local dailies one month prior to commencement of course. The updated curriculum of the course is available in the website of NIELIT Delhi Centre. An examination/test is conducted at the end of the training programmes by NIELIT Delhi Centre and certificates are issued to the successful trainees.

Sr. No.	Course Name	Eligibility	Duration
1.	Beginners course in Flash	10 <sup>th</sup> pass/pursuing	40 Hrs
2.	Beginners Course in Photoshop	10 <sup>th</sup> pass/pursuing	30 Hrs.
3.	3D Studio Max	10 <sup>th</sup> pass/pursuing	3 months

The candidates can take admission in Offline or Online mode as described in the training advertisement.

### Online admission:

1. For the admission process, candidates are required to visit the website [www.nielit.gov.in/delhi](http://www.nielit.gov.in/delhi)→**Admission Notice**→**Training Advertisement** for pursuing the desired course and Click on the link **Proceed for Admission**. This link will redirect the candidate to a portal for registration and payment of requisite admission fee /course fee through online mode. The candidates are advised to read the instructions carefully in the portal at “How to apply”
2. On successful registration candidate will get a system generated **Application No** which the candidate need to keep safe for all future correspondence.
3. **Final admission confirmation for a course shall be reserved after checking of all eligibility documents.** The successfully registered candidates will be required to bring the eligibility documents, ID proof and Photo along with Original copies for the document verification before the start of the classes:
4. All course related updates / announcements / information are sent to the registered mobile no. / email id of the candidate.

### Offline Admission:

1. The Candidates are required to report to the Institute on the prescribed days of admission along with the eligibility documents.
2. The admission is subject to production of certificates/documents and to the correctness of information furnished. The candidates will have to bring all certificates in original along with the photocopy of the same.
3. The candidates on reaching the Institute are required to meet the Front Office Counselor (FOC). After counseling, the FOC directs the candidate to the Admission Coordinator for completing the admission procedure in the particular training programme. The candidate has to submit filled application form along with the self attested eligibility documents. The candidate gets the attested copies of all documents, certificates and application form verified by the Admission Coordinator and then she shall direct the candidates to the Accounts Section for payment of fees.
4. If payment is made through online mode, candidates are required to submit the proof of the payment to the Account section for getting the final receipt of payment. Account section will provide the receipt of payment which needs to be submitted to Admission Coordinator for taking admission particulars like Batch Code & Roll number.

5. Once the batch code is assigned to the candidate, batch will remain same throughout the duration of the course. No request of batch transfer will be entertained.

#### **Instructions:**

1. Right of Alteration/Modifications: NIELIT Delhi Centre reserves its right to alter or modify the structure of any programme as may be required.
2. NIELIT Delhi Centre reserves the right to cancel the admission of a candidate under any of the following circumstances:
  - a) If the fee is not deposited by the stipulated date.
  - b) If the candidate does not join the particular program by the stipulated date even though the fee has been deposited.
  - c) If the candidate fails to furnish the proof of the stipulated minimum qualifications.
  - d) On any other reasonable ground at the discretion of the Director of the institute.
3. Making the payment for the course fee without verification of eligibility documents does not guarantee the admission in the course.
4. Delhi Centre reserves the right to cancel/reschedule the course or to cancel the candidature of any candidate without assigning any reason thereof.
5. If any of the information provided by candidate is found false/incorrect, the candidature of the candidate will be cancelled immediately.
6. The time slots will be allotted to batches according to number of students enrolled in respective batch.
7. Refund of course fee: Candidates withdrawing/cancelling from a course before the start date of the batch may get Refund of course fee subject to the condition that the other candidate may take admission course in his/her place with the following terms:
  - a. Refund of the Course fee will not be allowed unless the course is cancelled by the Centre itself.
  - b. Candidates withdrawing/cancelling from a course before the start date of the batch will get course fee refunded excluding ₹2000/- and Govt. Tax, Levies and admission fee.

#### **Eligibility Documents to be produced:**

1. A stamp size and latest passport Size Photograph
2. Self-Attested copy of Aadhar Card
3. Self-Attested copy of 10<sup>th</sup> pass certificate (proof of DOB)
4. Self-Attested copy of eligibility document & marks sheet
5. Self attested copy of Caste certificate in case of SC/ST candidates

**SC/ST candidates admitted under SCSP/TSP Scheme or any scheme of Govt. of India are exempted from course fee Subject to production of valid Caste certificate.**

#### **PAYMENT TERMS:**

**ADMISSION Fee:** ₹750/- The same will not be refunded for the student who does not join the course.

**GST is applicable in all the above courses. The current rate of GST is 18% and is subject to change as per Central Govt. notification.**

The course fee plus admission fee is to be paid in the form of Demand Draft or through Online methods like NEFT/RTGS/Net banking.

➤ **By Demand Draft:**

The Demand Draft will be in favor of NIELIT New Delhi Centre payable at New Delhi.

➤ **By Online Methods:** Online payment may be made through NEFT/RTGS/Net banking/PAYTM

**\*Bank Particulars Details for Online Payment**

- **Account No: 0176002100250666**
- **Bank Name: Punjab National Bank, Shastri Nagar**
- **Bank Code: 139800**
- **IFSC No: PUNB0139800**
- **MICR Code: 110024034**

The Details for online payment (snapshot/ Transaction ID must be retained). After making payments, candidates are required to submit the online payment receipt to the Account section with the following details on the reverse of receipt:

- Name of the Depositor
- Name of the Student
- Date of Payment
- Amount Deposited
- Name of Bank/branch through which amount deposited
- Purpose – Course Fee/ Reg. Fee/Installment Fee/Retest Fee/ Batch transfer Fee etc.
- Name of Course
- UTR Number/RTGS No./NEFT SD No.

## Registration:

- Registration is a mandatory pre-requisite for appearing in the O/A/B/C level Examinations and all NSQF aligned Courses conducted by the NIELIT. To enroll as a student of NIELIT for all Long term and Short-term Courses, they are required to register with NIELIT through Student Portal at <http://student.nielit.gov.in> in the prescribed period of registration. The student has to fill the online application form and upload the Photograph, Signature and Thumb Impression for submitting the application form. Payment of Registration Fee will be paid through Online Payment Option (CSC-SPV, NEFT/RTGS). The faculty of the centre will facilitate the students for applying online registration for any course in the centre. A Registration number will be allocated to the student after the completion of registration details. This registration number will be used by the student and institute in examination and future correspondence.
- For Long term courses, current Registration fee is ₹ 500/- Plus Govt. Tax and Levies as applicable. Registration for “O” and “A” level is valid for 10 (ten) consecutive examinations i.e. 5 years.
- Registration Fee for NSQF aligned courses other than O/A level:**

Course Duration (Hours)	Fee Amount (₹)
1-400	100+GST
401-1000	200+GST
1001 and above	300+GST

Registration fee is valid for one year.

## Examination for NSQF Courses

- Examination fee for NSQF aligned courses other than O/A level:**

Learning Hours	NSQF Level	Theory	Practical +Project	Major Project	Total (₹)
		@ ₹ 500/-	@ ₹300/-	@ ₹ 500/-	
<=200	Any	500	300	0	800
>200 and <=400	Any	1000	300	0	1300
>400 and <=700	Any	1000	300	500	1800
>700 and <=1000	Any	1500	600	500	2600
>1000	Any	2000	600	1000	3600

- Additionally, candidates have to pay GST as applicable over and above the Examination fee.
- Pass percentage would be 50% marks in each component, with aggregate pass percentage of 50% and above.
- Theory examination would be conducted online and the paper comprise of MCQ.
- There would be no exemption for any paper module for candidates having similar qualifications/skills.

## Re-Examination

- In case the candidate fails to appear in the examination/fails to pass the examination of Short-term Course, he/she will be given three chances of re-appear within one year of the date of the start of the course. For every retest, the candidate shall have to apply for retest in the prescribed retest application form along with payment of retest fee of ₹500/- + GST (for each module). If the candidate fails in re-test within one year of the course, he /she will have to undergo the course again.
- For NSQF Courses, the candidate may apply for re-examination at NIELIT student portal (student.nielit.gov.in) within the validity of registration. For re-examination, prescribed examination fee is required to be paid by the candidate. A candidate will get a maximum of six examination cycles to pass the course (Assuming that there is no provision of re-registration).

## Exemption of Course fee

- No Course fee for SC/ST candidates will be charged till the Govt. schemes are implemented for NSQF Courses subject to following:
  - The candidates belonging to SC or ST categories will be required to produce the Original Caste/Tribe Certificate issued by Govt. Authority.
  - The undertaking in application form is also to be filled by the SC/ST Candidates at the time of admission. Such undertaking will be countersigned by the parent/ guardian if the student is below 18 years.
  - NIELIT Delhi Centre may Verify the Caste/Tribe Certificate submitted by a Student through the Proper Channels and if such verification reveals that the claim to belong to Scheduled Caste or Scheduled tribe, as the case may, is false, such student will be expelled forthwith without assigning any further reason and without prejudice to such further action as may be taken under the provisions of the Indian Penal Code for production of false certificates. The Director/ Director-in-Charge, NIELIT Delhi Centre shall be the final deciding authority for verification of a particular SC/ST Certificate upon specific recommendation of the concerned Admission Authorities.

## Identity/Registration Card

An Identity Card will be issued to students of Long-term courses after the commencement of classes. The students are instructed to bring their ID Card at the time of their training classes in the centre, failing which they will not be allowed to enter the premises. **Students, who have lost their Identity/Registration Card, can obtain a duplicate one from the Centre on requisition for ₹100 only.** Candidate has to surrender his/ her ID card on completion of training programme.

## Attendance

The students should be regular in their attendance for theory and practical classes. They should have minimum 75% attendance in order to be eligible for appearing in the final examination. NIELIT Delhi Centre reserves the right to not allow the student to appear in examinations if he/she does not meet this requirement.



### Batch Transfer

The student is allowed to transfer his /her batch in case his/her attendance in the module/course is less than 20%. The transfer fee of ₹1000+GST in case of long-term course and ₹400+GST in case of short-term courses will have to be paid by the candidate. In case the fee of the new course is less than the fee already paid, it shall not be refunded. In case the fee of the new course is more than the fee already paid, the balance fee shall have to be paid by the candidate.

### Working Hours & Holidays

The Centre follows five-day week routine i.e. Monday to Friday (Saturdays & Sundays are closed). The office hour for all working days is 09:00 am to 05:30 pm with half an hour break for lunch between 1.00 to 1.30pm. In addition, the centre follows the Schedule of holidays as per the rules of the Government of India.

### Computer Labs Rules

- For using the lab, beyond the allocated time, students must take permission from their concerned faculty member or Lab- Supervisors.
- No external storage devices like CD, DVD, Pen drives etc. are allowed inside the laboratory and in case the requirement arises, the prior permission should be obtained from Lab Supervisors or concerned Faculty.
- For any offence committed by the students in the lab, including misuse of Internet, appropriate disciplinary action will be taken by the Institution.
- Bags and any other eatery not allowed in Computer Labs. Students are advised not to keep cash/ mobiles in bag outside the lab. In case of any loss/ theft NIELIT Delhi will not be held responsible

### Discipline

Students are expected to maintain proper discipline and follow the code of conduct rules of the Institute. An undertaking of Code of Conduct has to be given by the students at the time of admission. Strict disciplinary action will be taken against those students who do not follow the conduct rules of the Centre.

### Student Scholarship

NIELIT has introduced **Protsahan Puraskar Scheme (erstwhile Scholarship Scheme)** for SC/ST/Physically Handicapped and Female candidates. This scheme took effect from January 2003 Examinations. Candidates pursuing full time NIELIT Courses of O/A/B/C Level are offered Scholarship ranging from ₹12,000/- to ₹30,000/- depending upon the level of course. The Eligibility criteria for this scheme are:

- Clearing the papers in the first attempt for every semester.
- Income of the parents from all sources shall not be more than ₹2.5 lac per annum.

Trainees of NIELIT Delhi Centre can apply for this scholarship, if found eligible within 1 month of the declaration of examination result through NIELIT Delhi Centre.

#### **Change of Address and Mobile no.:**

The students should keep NIELIT informed about the email, mobile no. and address, if changed, in their records of Centre on requisition by filling the prescribed form.

#### **Extra –Curricular Activities**

The Centre organizes various co-curricular activities like Independence Day, Teachers Day, Diwali, Christmas, New Year program and other cultural & literary events and workshop for the staffs and students. Various events are organised in the Swachh Bharat Campaign also.

#### **Grievance Redressal Cell**

Students who have genuine grievances are advised to write to the Grievance Redressal Cell of the Centre giving their Name, Registration No., Course Name and Batch Code etc. for speedy redressal.

## Long Term Courses

Fee must be deposited by the due date and as per the fee plan given at the time of admission of a particular Course. Late fee of ₹ 50 per day will be charged from the candidate who would pay fee after due date. NIELIT Delhi Centre holds the discretion to cancel the admission in case the candidate fails to submit the fee in time. The fee, once paid, is non-transferable and non-refundable. The fee will be refunded only in case the centre fails to start the particular batch.

### Course Fee: NIELIT (DOEACC) National Schemes

S No.	Course Name	Course Fee (in ₹)	1 <sup>st</sup> Semester (in ₹)	2 <sup>nd</sup> Semester (in ₹)	3 <sup>rd</sup> Semester (in ₹)
1.	*NIELIT 'O' Level (IT)	20,800/-	11000/-	9800/-	-NA-
2.	*NIELIT 'A' Level (IT)	45,000/-	20000/-	15000/-	10000/-
3.	*NIELIT 'A' Level IT (After 'O' Level)	30,000/-	16000/-	14000/-	-NA-
4.	*MAT 'O' LEVEL (Multimedia and Animation Technology 'O' LEVEL)	25,000/-	15000/-	10000/-	-NA-
5.	*CHM 'O' Level (Computer Hardware and Maintenance)	18,050/-	10000/-	8050/-	-NA-

### Long term Electronics Courses

S No.	Course Name	Course Fee (in ₹)	1 <sup>st</sup> Instalment (in ₹)	2 <sup>nd</sup> Installment (in ₹)	3 <sup>rd</sup> Instalment (in ₹)
6.	*PG Diploma in Internet of Things (IOT)	28,000/-	11,000/-	10000/-	7000/-
7.	*Certificate Course in Arduino based Embedded System Design	19,000/-	8,500/-	6500/-	4000/-
8.	*Post Diploma in VLSI Design, Tools and Technology	22,000/-	9,000/-	8,000/-	5,000/-

- \* All statutory taxes, duties, levies etc. as applicable from time to time shall be charged extra.
- \* GST at the current rate shall be charged extra with each instalment. Current rate of GST is 18%
- \* No GST shall be charged for the NIELIT courses mentioned at Sr. No. 1, 2,3.
- \* Admission fee and other miscellaneous Charge shall be charged at the time of admission. Fee can be paid in the form of Demand Draft or through NEFT/RTGS/Net banking.

\*NSQF Courses

### Short Term Courses (To be paid in single installment)

1. No course fee for SC-ST Candidate for NSQF\* Aligned Courses as per Govt. Norms.
2. Course Fee shown below is excluded from GST. Current Rate of GST is @ 18% as per Govt. norms.
3. Admission Fee of ₹ 750/- will be charged at the time of admission.
4. Registration fee and Examination fee for Short term NSQF\* Courses will be taken at the time of admission.
5. For course fee payment details, please read the [General Guidelines](#) carefully in the prospectus.

Sr. No.	Course Name	Duration	Course Fee (in ₹)
<b>❖ Computer Science and IT Courses</b>			
1.	Programming Through C/C#	60 Hrs.	5,000/-
2.	Programming Through Python	60 Hrs.	6,800/-
3.	Object Oriented Programming Through C++	60 Hrs.	6,800/-
4.	Programming Through Core Java/with Project	60 Hrs./ 80 Hrs.	6,800/- 8,000/-
5.	Programming Through C and C++	80 Hrs.	8,000/-
6.	Web Application Technologies using J2EE/ with Project	60 Hrs. 80 Hrs	6,800/- 8,000/-
7.	Web Application Technologies using ASP.Net with C# /with Project	60 Hrs. 80 Hrs	6,800/- 8,000/-
8.	Certificate Course in Linux, Apache, MySQL and PHP	60 Hrs.	6,800/-
9.	*Certificate Course in Linux, Apache, MySQL and PHP	80 Hrs.	8,000/-
10.	*Certified Android Apps Developer	100 Hrs.	15,000/-
11.	Cisco Certified Network Associate(CCNA)	20 weeks	20,000/-
12.	CCNA Routing and Switching for CCENT Certification (1 & 2 Mod)	80 Hrs.	10,000/-
13.	CCNA Routing and Switching for CCNA Certification (3& 4 Mod)	12 weeks.	12,500/-
14.	Computer System & Server Administration	60 Hrs.	6,800/-
15.	Certificate course in Cloud Computing	60 Hrs.	10,000/-
16.	Certificate course in Big Data and Hadoop	60 Hrs.	9,000/-
17.	*Certificate course in System Administration using Linux	80 Hrs.	10,000/-
18.	Cyber Security Basic Literacy Course	40 Hrs.	6,000/-
19.	*Certified Course in Web Designing	80 Hrs.	5,400/-

20.	*Certificate course in Office Automation(CCOA)	80 Hrs.	3,500/-
21.	*Certificate Course in Data Entry and Office Automation	135 Hrs	6,500/-
22.	Financial Accounting using Tally	40 Hrs.	5,000/-
23.	Certificate Course in Digital Marketing	40/ 60/ 80 Hrs.	6,500/- 8,000/- 10,000/-
24.	Certificate Course in Data Science and Machine Learning using Python	80 Hrs.	8,500/-
25.	Refresher Course IWD/C	10 Hrs.	1,500/-
<b>❖ Electronics/Hardware Courses</b>			
26.	Embedded System using 8051 and ARM /with Project	60/80 Hrs.	8,000/ 9,000/-
27.	Embedded System using 8051 and Arduino /with Project	60/80 Hrs.	8,000 / 9,000/-
28.	Internet of Things (IOT) using Arduino/with Project	60/80 Hrs.	9,000/10,000/-
29.	Internet of Things (IOT) using Rasberry Pi/with Project	60/80 Hrs.	9,000/10,000/-
30.	*Certificate Course in VLSI Design	80 Hrs.	12,000/-
31.	*Certificate Course in PC Assembly and Maintenance	80 Hrs.	6,000/-
32.	*Certificate Course in Embedded System Design using ARM/Cortex Micro Controller	80 Hrs.	10,000/-
<b>❖ Multimedia and Animation Technology Courses</b>			
33.	*Certified Course in 2D Animator	80 Hrs.	7,300/-
34.	*Certified Graphic Designer	80 Hrs.	7,300/-
35.	Beginners course in Photoshop	30 Hrs	4,200/-
36.	Beginners course in Flash	40 Hrs	5,000/-
37.	*Certified Multimedia Developer	200 Hrs.	15,000/-
38.	3D Animation using 3DS MAX	3 Months	15,000/-
<b>❖ Digital Literacy Courses</b>			
39.	*CCC - Course on Computer Concepts	80 Hrs.	3,500/-
40.	BCC – Basic Computer Course	36 Hrs.	2,800/-
41.	ACC- Awareness in Computer Concepts	20. Hrs	2,200/-
42.	CCC Plus - Course on Computer Concepts Plus	126 Hrs.	-
43.	ECC- Expert Computer Course	200 Hrs.	-

### PERSONAL DIARY FOR USE OF STUDENTS

(The student is advised to keep a diary as detailed below for his/her reference)

1. Enrollment No./Session :
2. Course Name and Duration(hrs) :
3. Date of receipt of Admission Intimation :
4. Batch Code – Roll No. :
5. Fee particulars :
 

	Admission Time	Second Sem	Third Sem
Total Amount Paid :			
Fee Receipt No. / Date :			
Bank Name & Branch Code No. :			
Draft No./ Date :			
Online Payment Details :			
6. Registered Email and Mobile No. :
7. Registration Number/Date :
8. Student Login-Id and Password :
9. Identity Card No. :
10. Examination Application form filed on :
11. Name of Projects Submitted/Date :
  - 1.
  - 2.
12. Training completed on :
13. Exams completed on :

# राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी संस्थान दिल्ली केंद्र

## Undertaking of Code of Conduct for Students

1. I am fully aware that NIELIT is an Autonomous Scientific Society under the administrative control of Ministry of Electronics & Information Technology (MoE&IT).
2. I will abide all rules & regulations of the institute which are as under:
  - a. Classes start from 9.00 a.m. and may continue up to 5.30 p.m. on all the five days of a week. Students are advised to come in time as per the schedule of their classes. They should observe proper silence in the classes/corridors so as to avoid unnecessary disturbance/over-crowding.
  - b. The student should be regular in his/her attendance for theory and practical classes. In case the student's attendance is less than 75%, his/her examination forms will not be verified by Institute. In case of any genuine reason, the student or his/her guardian should inform in writing to NIELIT about the reason of absence.
  - c. If a student remains absent from the Institute for continuous period of ten days without prior permission of the Training officer, NIELIT reserves the right to cancel his admission from the Institute and to strike out his/her name.
  - d. The students are advised to see regularly the notices displayed on the Notice boards as well as the website of Centre so as not to miss any important information/updation.
  - e. Use of mobile phones in the classrooms, Labs, Library, Corridors of Institutes etc. is strictly prohibited.
  - f. Every student should carry his / her Identity Card while entering the Institute and identify himself with help of the Identity Card whenever asked for.
  - g. No guests / visitors shall be allowed with the students in the class/lab/ library.
  - h. The student should note that he/she is responsible to the NIELIT not only for his/her conduct in the premises of the Institute but also for his/her conduct in general, outside the premises as well.
  - i. Student should help in maintaining the infrastructure of the Institute clean and tidy. Eatables / beverages are not allowed inside the labs and library.
  - j. Students should conserve electricity and water. They should switch off lights, fans and ACs when they leave the class room, labs etc.
  - k. The students should attend all events/activities/workshops organized/sponsored by the institute on various occasions.
  - l. Students should pay their fee/dues on or before the prescribed deadline failing which appropriate disciplinary action will be taken. Students may note that fees once paid will not be refunded/adjusted.
  - m. The students should observe self-imposed discipline in all activities and create a congenial environment conducive for studies.
  - n. The student should not participate in any political or antisocial activities/ragging and any act of discrimination (physical or verbal conduct) based on an ac individual's gender, caste, religion etc.
  - o. The student should not indulge in
    - i. Committing forgery, tampering with the Identity Card or Institute records, impersonation, creating disharmony among students.
    - ii. Indulging in acts of gambling, smoking, possessing or consuming or distributing alcohol, harmful drugs, chemicals, ammuniton etc. in the Institute premises.
    - iii. Using insulting, inciting, bullying, threatening language when talking with fellow students and staff, inside or outside the institute.
    - iv. Misusing institute resources and facilities such as library, software, electronics resources such as computer and electronic communications facilities, computers networks or causing any type of damage to intranet and computer security system of the institute.
    - v. Harming reputation of the institute or individual (fellow students and institute staff) through social and electronic media.
  - p. Any reported, observed objectionable conduct will make him/her liable for strict disciplinary action.
3. I have read the above Discipline & Conduct Rules the Institute and I agree to abide by the same.
4. Further we are fully aware that violation of the above rules and getting involved directly or indirectly in any anti institutional activities and misbehaviour on or off the Institute will be viewed very seriously by the authorities, which may even result in expulsion/rustication from the Institute. In that case we will not have any say and we shall have no right for availing any benefit.

( \_\_\_\_\_ )  
Student's Name & Signature

Batch Code/Roll No.: \_\_\_\_\_

Date: \_\_\_\_\_

# LABS



# CORPORATE TRAINING

# DIWALI CELEBRATION





# ACTIVITIES



# SWACHH BHARAT ABHIYAN





 @NDL.NIELIT  
 @NDL\_NIELIT

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