



NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY, KOHIMA **And** **Rural Extension Centre, Chuchuyimlang**

Department of Electronics & Information Technology,
Ministry of Communications & Information Technology, Govt. of India



PROSPECTUS



Prospectus

NIELIT, Kohima

and

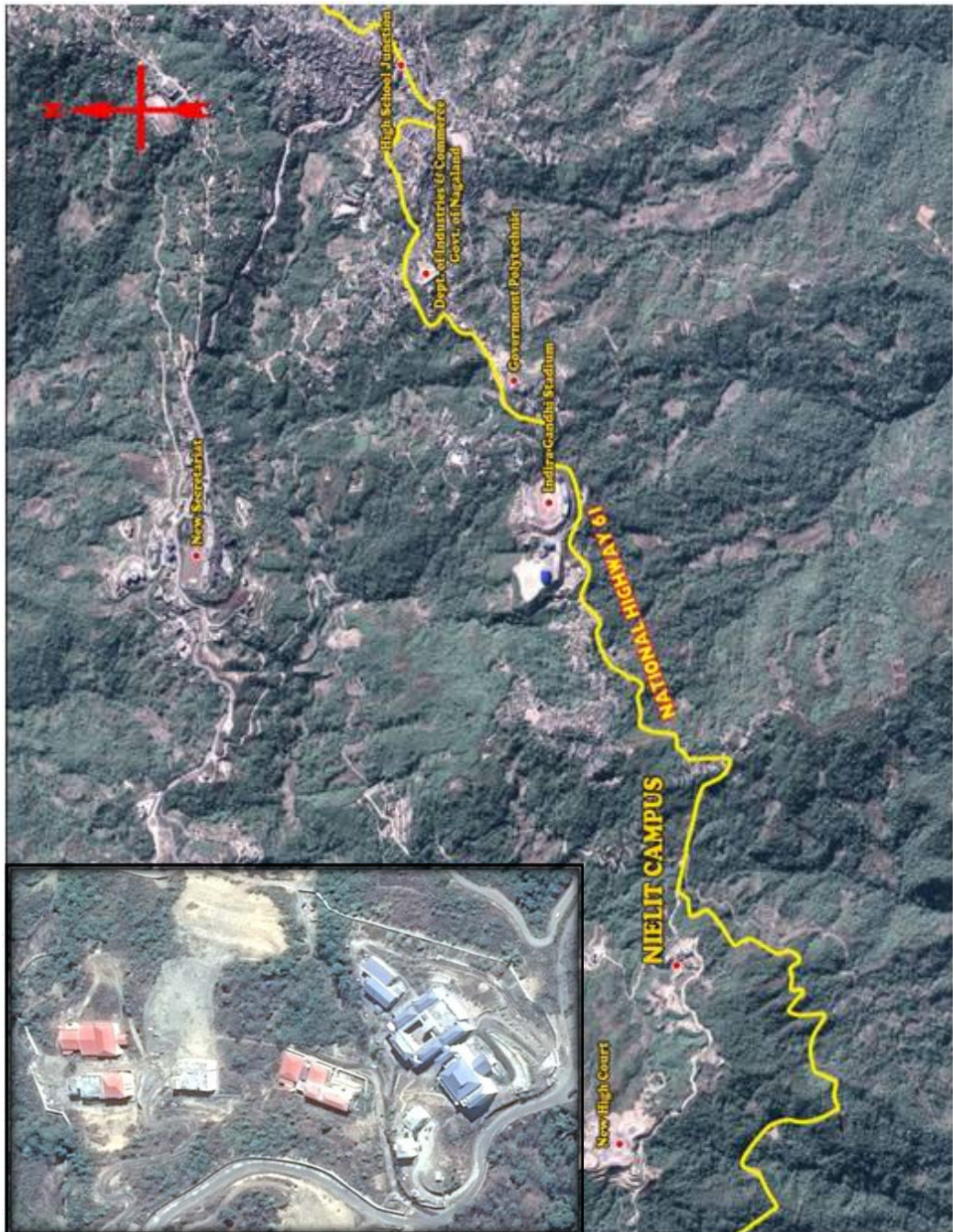
NIELIT Rural Extension Centre Chuchuyimlang, Mokokchung

Contents

Google Earth View of the Campus	iii
1. About NIELIT, Kohima	1
2. About NIELIT Head Quarter, New Delhi	6
3. Location & Connectivity	7
4. Infrastructure & Facilities	8
4.1 Local Area Network & Internet Connection	9
4.2 Computer Lab	9
4.3 Medical Electronics Lab	9
4.4 PC Assembly & Maintenance Lab	10
4.5 Basic Electronics Lab	10
4.6 Cyber Forensic lab	10
4.7 Workshop	11
4.8 Power Back-Up Facility	11
4.9 Classrooms & Examination Hall	11
4.10 Auditorium & Conference Hall	12
4.11 E-Learning Facility	12
5. Library	12
6. Hostels	13
7. Faculty & Staff	14
8. Courses Offered & Eligibility	14
8.1 IECT Professional Courses	14
8.2 Short Term Certificate Courses in IECT	15
9. Intake Capacities	16
10. Course Fee Structure	17
10.1 Fee Structure for Bachelor of Computer Application (BCA)	17
10.2 Fee Structure for DOEACC 'O', 'A', 'CHMO', 'CHMA' & 'MAT-O' Level Courses	18
10.3 Fee Structure for Diploma in Computer Science & Engineering	19
10.4 Fee Structure for Short Term IECT Courses	20
11. Academic Curriculum for BCA	21
12. Academic Curriculum for DOEACC 'O' Level	24
13. Academic Curriculum for DOEACC 'A' Level	27
14. Academic Curriculum for DOEACC 'CHM-O' Level	32
15. Academic Curriculum for DOEACC 'CHM-A' Level	33

16.	Academic Curriculum for 'MAT-O' Level	37
17	Academic Curriculum for Diploma in Computer Science & Engineering	39
18.	Academic Curriculum for Short Term Certificate Courses	42
18.1	Diploma in Computer Application & Networking (DCAN)	42
18.2	Course on Computer Course (CCC)	43
18.3	Basic Computer Course	44
18.4	PC Assembly & Maintenance Course	44
18.5	Graphics Designing	44
18.6	Audio & Video Editing	44
18.7	Web Designing	45
18.8	Programming Language like C, C++, Java, VB, C#, Oracle	45
18.9	ITE & Soft Skills	45
18.10	Repairing & Maintenance of Electronics Products	46
18.11	Tally ERP 9	46
18.12	Mobile Repairing	46
18.13	Information Security & Cyber Law	46
18.14	Diploma in Bio Medical Instrumentation & Maintenance	46
18.15	Repair & Maintenance of Power Supply, Inverter & UPS	47
19.	Working Hour & Vacation	47
20.	Students Scholarship	47
21.	Extra-curricular Activities	47
NIELIT EXTENSION CENTRE, CHUCHUYIMLANG		
22.	NIELIT Extension Centre, Chuchuyimlang	50
23.	Objectives of the Extension Centre	51
24.	How to reach the Extension Centre	51
25.	Facilities at the Extension Centre	52
25.1	Class Rooms	52
25.2	Software Lab/Multimedia Lab	52
25.3	Basic Programming Lab	52
25.4	Project Lab	52
25.5	PC Assembly & Maintenance Lab	53
25.6	Library	53
25.7	Power Supply & Backup	53
25.8	e-Learning Facilities	54
25.9	Publication	54
26.	Faculty & Staff of the Extension Centre	54
27.	Courses offered at the Extension Centre	54
28.	Academic Curriculum of the Extension Centre	55

NIELIT CAMPUS LOCATION (Google Earth View)



1. ABOUT NIELIT, KOHIMA

Located on the outskirts of Kohima, the National Institute of Electronics & Information Technology (NIELIT), Kohima with its stately architecture surrounded by lush verdant and picturesque rolling hills, it has world-class infrastructure that facilitates excellence in teaching, training and other professional activities. It is a national level technical Institute under NIELIT, New Delhi, an autonomous scientific body of Department of Electronics & Information Technology, Ministry of Communications & IT, Govt. of India. The inception of NIELIT Kohima took place in May 2004 and became operational in July, 2004. NIELIT campus is situated at Meriema (NH-61), below New High Court complex, Kohima on a 15-acre plot of land provided by the Govt. of Nagaland.

As a symbolic gesture of generosity to the people of Nagaland, the honorable Prime Minister of India commissioned and sanctioned the setting up of NIELIT in October 2003. NIELIT, Kohima is operationally under the administrative control of NIELIT, New Delhi. **NIELIT Kohima has been aptly declared as a Centre of Excellence by the Government of Nagaland.**

NIELIT Kohima strives to achieve excellence in the field of Information, Electronics and Communications Technology through partnerships and tie-ups with prestigious academic institutions like Kohima Science College, Kohima, Nagaland University, Kohima Campus and Corner Stone Higher Secondary School, Dimapur. NIELIT Kohima also aspires to be a hub of innovative activity and is continuously on the lookout for opportunities to collaborate with the government, the public and private sectors and other academic institutions to create, disseminate and impart computer knowledge. Further, NIELIT Kohima caters to various Government Departments who are keen to avail our services pertaining to IT and its allied disciplines.

VISION

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

MISSION

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

NIELIT as an institute offers training programs to improve employment opportunities and facilitate availability of quality IT manpower, which will contribute to the growth of IT industry in the region, particularly in Nagaland.



A special feature of NIELIT is the provision of a balanced amalgamation of formal and non-formal sector courses. Such an amalgam will provide opportunities for education and training in Computers and Information Technology and related disciplines not only to school passed-outs with Science and Mathematics background; but also to students with Commerce, Arts, Humanities and Social Sciences background. The later will thus have the opportunity to join the non-formal sector courses in Computer and related disciplines.

At present, the institute offers various courses in the field of IT & related discipline viz. (i) Bachelor of Computer Application (BCA) affiliated to Nagaland University (ii) DOEACC “O”, “A”, “CHMO”, “CHMA” and “MAT-O” Level courses (iii) Short Term IT Courses and (iv) ITE & Soft Skills Training Programme. So far, the Institute has trained more than 8000 trainees in IT and related courses / fields and more than hundreds trainees have found placements in various public and private sectors through the campus placement ship organized by the Institute. Many of our ex-trainees are successfully self-employed and are employed in the private and govt. sectors.

NIELIT Kohima also features a Cyber Forensics Lab and Training facility, an R&D Project setup in the year 2010 sponsored by the Department of Electronics & Information technology, Ministry of Communications and Information Technology, Government of India. This branch has been catering its services to law enforcement agencies both within Nagaland and its adjoining regions for solving cyber related crimes.

e-Governance, the flagship project of NIELIT, Kohima under the patronage of the Ministry of Department of Electronics & IT has also been adding noteworthy contributions to the vast realms of the nation’s Capacity Building program. This project is in essence, the application of Information and Communication Technology to government functioning in order to create “Simple, Measurable, Accurate, Relevant and Transparent” (SMART) governance. Keeping in view this objective, NIELIT, Kohima has been designated as the Institution Partner by the Government of Nagaland and it has associations with governmental departments to impart efficient IT training to the government employees in the area of IECT. This has made easier the availability of public services at the doorsteps of citizens on the basis of revolutionary changes in our institutional structures, procedures and practices, and transforming the relationships between the government, our businesses and our citizens.

A rural extension centre of the institute was also set up at Nagaland Gandhi Ashram (NGA), Chuchuyimlang Village (178 KM from Kohima), Mokokchung District in August, 2006. The main objective of the extension centre is to provide IT literacy among the rural youths in and around the district.



At present, the extension centre offers DOEACC “O” & “A” level Courses, Short Term Course on PC Assembly & Maintenance, Multimedia, DCAN and CCC (Course on computer concepts) apart from providing internet access facility to local public.

Achievements:

1. More than 10500 students trained in IECT since inception.
2. Provided IT training and services to:
 - Fashion Technology under Govt. of Nagaland.
 - Department of Science and Technology, Govt. of Nagaland.
 - Department of Agriculture, Govt. of Nagaland.
 - Nagaland University.
 - State AIDS Control Society.
 - School Education Department, Nagaland.
 - Technical Education Department, Nagaland.
 - Police Department, Nagaland.

- Comptroller and Auditor General of Nagaland.
 - Postal Department of Nagaland.
 - Department of Women Development, Govt. of Nagaland
3. Developed and maintained Aircel Naga Idol website.
 4. Developed Pension software for CAG Kohima.
 5. In-house developed software for all management needs.
 6. First ever cybercrime case in Nagaland was detected and solved.
 7. NIELIT Kohima has been designated as Institution Partner by the Government of Nagaland to promote e-Governance as a tool, and to deliver to its citizens, a Government, that is more proactive, transparent and responsive.
 8. NIELIT Kohima was the institution-cum-host partner for the 2nd eNorth-East summit.
 9. Successfully undertaken projects and ongoing major projects:
 - Trained police officers of the state on cybercrime, cyber forensics and IT acts.
 - Conducted workshop-cum-awareness programme on Cyber Forensics and cybercrime for state government officials (AHODs/HODs, IT Nodal Officer), officials of Central government offices located in Nagaland and for various institutions.
 - Women Empowerment project under the Ministry of DONER have so far trained 401 female trainees on Information Technology Enabled Services (ITES).
 - The ongoing implementation of the Cyber Security project has been initiated with the objective to disseminate through appropriate training mechanisms and workshops, the awareness on Cyber Security aspects, integral to the promotion of cyber ethics and prevention of cybercrimes. This project intends to target the most vulnerable sections of the society viz., school and college-going students and government employees.
 - The e-Governance project under the sponsorship of the Ministry of Department of Electronics & IT has proven instrumental in addressing the capacity building needs at different levels of the state-government functioning to attain universal computer literacy in the State Government setup.
 - To uplift the economically and socially deprived sections of the society, NIELIT Kohima 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 Communications & IT, Labour and Employment, Govt. of India.

10. NIELIT Kohima also serves as a Local Infrastructure Service Provider (LISP) for various other entities, to name a few:

- Conducting online entrance examinations for universities like the KIIT (Kalinga Institute of Industrial Technology) University and the Sikkim University.
- Conducting promotion-related examinations for the offices of the CAG (Comptroller and Auditor General of India)
- NIELIT, Kohima also has tie-ups with TCS (Tata Consultancy Service) for conducting online recruitment examinations for the RBI, SBI, LIC, Bank of India and other nationalized banks.

2. ABOUT NIELIT HEAD QUARTER, NEW DELHI

NIELIT Head Quarter, New Delhi:

An autonomous organization under the Department of Electronics & IT, Ministry of Communications & Information Technology, Govt. of India, the prime objective of NIELIT is to bring the most updated global industry-relevant computer education, within the increasing reach of many.

NIELIT is presently implementing a joint scheme of All India Council for Technical Education and Department of Electronics & Information Technology (formerly Department of Electronics (DoE)), Government of India. The objective of the Scheme is to develop quality manpower in IT by utilizing the available expertise existing in the computer training institutes who are granted accreditation for conducting the following specified Levels of courses, subject to the fulfillment of well-defined norms and criteria.

1. An IT Literacy course namely, Course on Computer Concepts (CCC) is offered by the NIELIT all over the country.
2. The other level of courses are:
 - O Level**- Equivalent to Foundation level course
 - A Level** - Equivalent to Advanced Diploma in Computer Applications
 - B Level** - Equivalent MCA Level
 - C Level** - M. Tech Level

Apart from Authorized Institutes conducting accredited courses in the private/public sector, NIELIT has its own 31 centres all over India. The Centres are engaged in offering Long Term Courses and Short Term Courses in the area of IECT.

3. Bio-Informatics Courses are being launched at two levels designated as BI-O and BI-A levels. The courses are so designed as to give impetus to students to proactively participate as a member of a core team involved in the bio-informatics programming task. The students after qualifying these levels would be able to find the opportunities in the area of Bio-informatics in Drugs, Pharmaceuticals, Bio-fertilizers, and Agriculture and energy sectors.
4. NIELIT has launched ITE & Soft Skills Training programme for the benefit of the students of North East with the financial support from the Department of Development of North Eastern Region (DoNER).

3. LOCATION & CONNECTIVITY

The National Institute of Electronics & Information Technology (NIELIT) institute is located at Meriema (NH-61), New High Court Road, Kohima, Nagaland-797001. It is about 12 kms away from Kohima Town and one & half kms away from Indira Gandhi Stadium, Kohima. The Institute is surrounded by other Institutes & govt. offices like Nagaland University (Kohima Campus), High Court, Directorate of Women Department etc.



Kohima, the capital of Nagaland, is nestled in the hills of the north-eastern part of the country and is surrounded by Manipur in the South, Assam in the West, Arunachal Pradesh on the North and Myanmar on the East. It is well connected by air and rail via Dimapur which is 71 kms away from Kohima Town. The airport and railway station at Dimapur are connected with Guwahati, Kolkata & New Delhi. Besides being connected by National Highway No. 29 to Dimapur, Kohima

is also connected with Amguri, Assam by National Highway 61. Nagaland state has a number of tourist spots like the famous War Cemetery funded and maintained by the Common wealth and Heritage Complex, Kisama. It is also the gateway to the prosperous economy of South-East Asian Countries.

4. INFRASTRUCTURE & FACILITIES

NIELIT, Kohima Campus has separate 3 storied administrative building, 3 storied academic building, workshop, power house, girls' hostel, boys' hostel, guest house, staff quarters, auditorium, market place and library. The buildings are well linked by internal roads. The campus is fenced and 4 entrance gates are monitored 24 hrs by security personnel. The campus and buildings are monitored by CCTV surveillance cameras.

At present NIELIT have the following facilities:

- i) 12 Classrooms with capacity of 30 (Thirty) students each.
- ii) 2 Classrooms cum Examination hall with capacity of 72 (seventy two) students each.
- iii) 5 Computer Labs with 20 (twenty) branded computers each.
- iv) 1 Computer Lab with 30 (thirty) branded computers.
- v) 1 Multimedia training Lab with 20 high-end Computers.
- vi) 2 PC Assembly & Maintenance Lab of 40 students capacity.
- vii) 1 Basic Electronics Lab of 20 students capacity.
- viii) 1 Networking lab of 20 students capacity.
- ix) 1 Mobile Repairing lab of 10 students capacity.
- x) 1 R&D and Training facility Lab on Cyber Forensics.
- xi) 1 Medical Electronics Lab.
- xii) 1 Virtual Smart Classroom.
- xiii) ITE & Soft Skills Training room with audio-visual teaching aids.
- xiv) NIELIT Intranet & Local Area Network (LAN) System.
- xv) 24 hrs Power Backup facility with DG Sets & Online UPS.
- xvi) 100 mbps broadband connection from NKN, India.
- xvii) Separate Administrative and Academic buildings.
- xviii) Staff/Faculty cabins.
- xix) Cafeteria with separate sitting arrangement for students and staff.
- xx) An acoustic treated auditorium hall of 200 seating capacities and conference hall.
- xxi) Well-furnished Library with computerized library management systems.

4.1 Local Area Network & Internet Connections

NIELIT has more than 280 nos. of branded Desktop PCs on LAN system connected to 4 Servers through hardware firewall. One dedicated antivirus server is installed for protection from worms, viruses and other threats. Student to machine ratio is 1:1 (one machine per student) for all the courses/batches. There are two ISPs connected to the institute at present for providing internet access viz. 2 mbps from NIC, Kohima and 100 Mbps from NKN, Govt. of India.



4.2 Computer Lab

There are 6 nos. of general computer labs and 1 Multimedia lab at present. 5 labs and Multimedia have 20 capacity and 1 lab 30 capacity. The platform environment working with PC's at these labs are Windows XP, Windows 7 and Windows 8. All the labs are well-furnished and equipped with Projection System, Whiteboard and furniture. All the computers in the labs work on licensed software like Microsoft Office, Visual Studio 2010, Oracle Software etc., besides programming languages and other application software tools. The PCs in these labs can share resources among each other and has access to Intranet resource & Internet. Multimedia lab has high end PCs and licensed multimedia software like Adobe CS6, 3D Studio Max, Sound Forge, Maya, CorelDraw Suite X6 etc., are deployed to these computers for providing training.



4.3 Medical Electronics Lab

The Lab is well equipped with the required instruments. The Lab has the latest updated electronic devices like different Sensor, X-Ray machine, digital IC Training

Kit, Digital Storage Oscilloscope, Multi Para Monitor, Ultra Sound, Pulse Oximeter Simulator -Tester etc.

The students are trained and imparted on the overall knowledge and concepts of repairing, maintenance and the safety usage of the devices, applying both theory and practical sessions. After successful execution of the repaired components by the Trainees, it undergoes the process of safety checking by the instructor using Electrical Safety Analyzer.

4.4 PC Assembly & Maintenance Lab

In this lab, facility is provided for practicing assembly & maintenance of PCs and its accessories using different computer brands & components. We also provide facility for practicing basic network setup using Desktops, Server, Switches, Routers and network Cables, etc. Training capacity of the lab is 40 students at a time.



4.5 Basic Electronics Lab

The lab is equipped with basic electronic instruments like Oscilloscope, Constant Voltage transformer, Multimeters, Function Generator, Microcontroller kits, various trainers' kits etc. 20 students can be given hands-on training in this lab at a time. In addition to these physical devices, the lab also has computer based simulation software called MULTISIM for electrical & electronics circuit design.



4.6 Cyber Forensics Lab

Computer Forensic is fast emerging as a critical area where single failure means everything is lost. Hence, it is important to have standard education & training and Computer and Network Forensic lab facility. NIELIT has set up an R&D Forensic &



Training facility lab with tools and technologies available in the area of Computer and Network Forensic to demonstrate actual security attacks and remedial measures to test the effectiveness of protection and help in tackling security threats effectively. NIELIT Kohima helps law enforcement agency of the State in tackling and solving cyber-crime cases of the state.

Off-line cyber forensic imaging & laboratory and online cyber forensic analysis facilities are available. This environment facilitates utilization of various tools and technologies used for protection of information, networks and system.

4.7 Workshop

Workshop is setup specially for offering engineering programmes in the field of Information Technology, Electronics & allied fields.



4.8 Power Back-Up Facility

Twenty-four hour power backup facility is available. There are three numbers of 20 KVA online UPS systems for providing backup. Two Diesel Generator Sets of capacities 125 KVA & 160 KVA are available to provide uninterrupted power supply when there is no normal power supply. One 250 KVA Dedicated Transformer is also installed at the Institute. Apart from these facilities, the Institute has proper indoor and outdoor lighting. All these equipment and facilities are supported by proper electrification works and safety mechanisms.



4.9 Classrooms & Examination Hall

There are 12 nos. of classrooms with a capacity of 30 students each. All the classrooms are well equipped with whiteboard and projector connected to a PC. A classroom with well-equipped audio visual teaching aids is dedicated for ITE & Soft Skills Training Programme. In addition to these, the institute has 2 examination halls with a capacity of 72 students each.



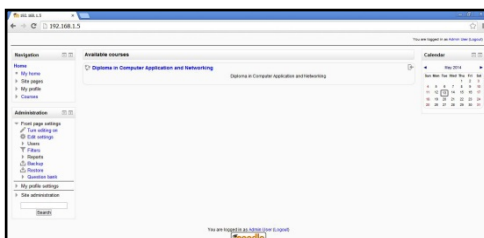
4.10 Auditorium & Conference Hall

The institute has a state-of-the-art acoustic-treated auditorium hall with a seating capacity of 200 persons and a conference hall with 20 sitting capacity. Any meeting, co-curricular activities and internal functions are held in these halls.



4.11 E-Learning Facility

A Learning Management System (LMS) software called MOODLE is made available in our intranet. E-learning contents of Course on Computer Concepts (CCC), DOEACC “O” Level and DOEACC “A” Level courses are integrated with MOODLE. Students as well as teachers can access the contents 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.



5. LIBRARY

NIELIT Library has more than 4600 volumes of books on Computer, Electronics and allied fields. All prescribed books for all the courses are available in the library. Students can borrow 3-4 books at a time. Library catalogue and issue / receipt operation of books are computerized using in-house software called “Library Management System”.

NIELIT library has subscriptions for 10 monthly magazines/journals. Some of the magazine/journals are:

- | | |
|-----------------------|----------------------|
| * Electronics for You | * Open Source |
| * Facts for you | * Better Photography |
| * Chip | * Compu Var |
| * Incredible Nagaland | * Chentilen |
| * Readers Digest | * Digit |



Apart from these, NIELIT has subscription of Employment News, National level newspapers, one local dialect newspaper and three regional local newspapers. Uninterrupted Internet facility is available in the library for easy access of electronic magazines & journals like IEEE through website as well as searching books/magazines/journals through internet.

Digital Xerox machine is available for both students and faculties for the purpose of printing copies of study materials.

6. HOSTELS

Total intake capacity of the girls' hostel is 60 and boys' hostel is 80. Preference of staying in the hostel is given to those students from far-flung areas admitted for long term professional courses at the institute.



7. FACULTY & STAFF

NIELIT has well experienced and qualified teaching faculty. The faculties undergo trainings from time to time to update their knowledge in various advancements of technologies. Overall administration of the institute is supervised and monitored by the Director. In addition, there are separate officers-in-charge to oversee the academic section and administrative section.

8. COURSES OFFERED & ELIGIBILITY

8.1 IECT Professional Courses

The lists of IT Professional Courses offered at present at the Institute are:

Sl.	Course	Eligibility	Duration	Certificate Awarding Body
1.	Bachelor of Computer Application (BCA)	Scoring 50% in 10+2 Exam (45% for SC/ST) with English at 10+2 (any stream)	3 years	Nagaland University
2.	DOEACC 'O' Level (Foundation course in Computer Application)	10+2 passed or ITI Certificate passed (one year after class 10)	1 year (Semester System)	NIELIT
3.	DOEACC 'A' Level (Advance Diploma Course in Computer Application)	O Level Qualifiers OR Graduates OR a Govt. recognized Polytechnic Engineering Diploma after Class X/XII (No Concurrency)	1½ year (Semester System)	- do -
4.	DOEACC 'CHMO' Level (Diploma in Computer Hardware Maintenance)	10+2 passed or ITI Certificate passed (one year after class 10) in Electrical / Electronics / Computers / Instrumentation Engineering	1 year (Semester System)	- do -
5.	DOEACC "CHMA" Level (Advance Diploma in Computer Hardware Maintenance & Networking)	CHM-O Level Pass / Diploma in Electronics / Computers / Electrical / Instrumentation after 10 pass or undergoing 2 nd year B.Sc. with Physics / Electronics / Computer or undergoing 2 nd year B.E. (Electrical / Electronics / Computer / IT) and accredited "A" Level Course (may be concurrent)	1½ year (Semester System)	- do -

6.	MAT-O Level (Diploma in Multimedia & Animation Technology)	10+2 passed or ITI Certificate passed (one year after class 10)	1 year (Semester System)	NIELIT
7.	Diploma in Computer Science & Engineering / Information Technology	10 pass with 45% aggregate in Science & Maths and pass both	3 years (Semester System)	SCTE, Nagaland

8.2 Short Term Certificate Courses in IECT

List of various short term certificate courses currently being offered at the institute along with eligibility & duration is given below:

SL	Course	Eligibility	Duration
1.	Diploma in Computer Application & Networking (DCAN)	10 with Knowledge of English language	6 months @ 2 hrs per day
2.	Course on Computer Concepts (CCC)	Knowledge of English language	2 months @ 2 hrs per day
3.	Basic Computer Course	Knowledge of English language	2 months @ 2 hrs per day
4.	PC Assembly & Maintenance	10 passed	2 months @ 2 hrs per day
5.	Graphics Designing	10+2	2 months @ 2 hrs per day
6.	Audio & Video Editing	10+2	2 months @ 2 hrs per day
7.	Web Designing	Knowledge of Computer	2 months @ 2 hrs per day
8.	Course on Programming language like C, C++, Java, VB, C#, Oracle	Knowledge of Computer	2 months @ 2 hrs per day
9.	ITE & Soft Skills	10+2	2 months @ 3 hrs per day
10.	Repairing & Maintenance of Electronics Products	10 passed	2 months @ 2 hrs per day
11.	Tally ERP 9	10+2 with Knowledge of Computer	2 months @ 2 hrs per day
12.	Mobile Repairing	10 passed	2 months @ 2 hrs per day
13.	Information Security & Cyber Law	10+2 with Knowledge of Computer	3 months @ 2 hrs per day
14.	Diploma in Bio Medical Instrumentation & Maintenance	10+2 (Science) / ITI (Electronics/Electrical) / Diploma in Electronics / Electrical	6 months @ 3 hrs per day
15.	Repair & Maintenance of Power supply, Inverter & UPS	10 passed / ITI	6 months @ 3 hrs per day

In addition to the above courses, NIELIT provides customized training programmes on IT and allied courses to various organizations and institutions as per the requirement. For such a training programme, interested group/organization must submit an application mentioning the interested area of training, duration and no. of participants, etc.

9. INTAKE CAPACITIES

SL	Name of the Course	Intake	Remarks
1.	Bachelor of Computer Application (BCA)	60	Semester System
2.	DOEACC “O” Level (Foundation course in Computer Application)	120	2 batches per year (January & July)
3.	DOEACC “A” Level (Advance Diploma Course in Computer Application)	60	-do-
4.	DOEACC “CHMO” Level(Diploma in Computer Hardware Maintenance)	40	-do-
5.	DOEACC “CHMA” Level (Advance Diploma in Computer Hardware Maintenance & Networking)	20	2 batches per year (February & August)
6.	MAT-O Level (Diploma in Multimedia & Animation Technology)	20	2 batches per year (February & August)
7.	Diploma in Computer Science & Engineering / Information Technology	60	Semester System

SHORT TERM COURSES

SL	Name of the Course	Intake	Remarks
1.	Diploma in Computer Application & Networking (DCAN)	20	10 batches per year (200 trainees)
2.	Course on Computer Concepts (CCC)	20	10 batches per year (200 trainees)
3.	Basic Computer Application Course (BCC)	20	5 batches per year (100 trainees)
4.	PC Assembly & Maintenance	20	5 batches per year (100 trainees)
5.	Graphics Designing	20	5 batches per year (100 trainees)
6.	Audio & Video Editing	20	5 batches per year (100 trainees)
7.	Web Designing	20	5 batches per year (100 trainees)
8.	Course on Programming languages like C, C++, Java, Visual Basic, C#, Oracle	20	5 batches per year (100 trainees)
9.	ITE & Soft Skills	20	5 batches per year (100 trainees)
10.	Repairing & Maintenance of Electronics Products	20	5 batches per year (100 trainees)

11.	Tally ERP 9	20	5 batches per year (100 trainees)
12.	Mobile Repairing	10	5 batches per year (50 trainees)
13.	Information Security & Cyber Law	10	5 batches per year (50 trainees)
14.	Diploma in Bio Medical Instrumentation & Maintenance	20	2 batches per year (40 trainees)
15.	Repair & Maintenance of Power supply, Inverter & UPS	20	2 batches per year (40 trainees)

As per the Government of India policy/scheme, we provide free training program to SC/ST candidates for the above mentioned courses.

10. COURSE FEE STRUCTURE

10.1 Fee Structure for Bachelor of Computer Application (BCA)

Total course fee for Bachelor of Computer Application (BCA) is ₹ 84,000/- including caution money deposit of ₹ 3000/-. The course fee can be paid semester-wise. Semester-wise fee structure amount is as follows:

First Semester		Amount in ₹
1.	Admission Fee	3600
2.	Tuition fee	5400
3.	Sports & Cultural fee	400
4.	Exam & stationery fee	450
5.	Library fee	300
6.	Identity Card fee	300
7.	Computer fee	6300
8.	Caution money deposit	3000
Total (₹)		19,750/-

N.B. Caution Money will be refunded after fulfilling the mandatory criteria viz. attendance percentage, caution money deposit receipt, course completion etc.

Remaining Semester		Amount in ₹
1.	Tuition fee	5400
2.	Sports & Cultural fee	400
3.	Exam & stationery fee	450
4.	Library fee	300
5.	Computer fee	6300
Total (₹)		12,850/-

10.2 Fee structure for DOEACC O, A, CHM-O, CHM-A & MAT-O Level Courses

Course fee for 'O' Level is ₹ 18,900/-, 'A' Level is ₹ 37,000/-, 'CHMO' Level is ₹ 20,900/-, 'CHMA' Level is ₹ 41,700/- and 'MAT-O' Level is ₹ 29,500/- which include caution money. Detailed fee structure and semester-wise fee is as follows:

First Semester		O	A	CHM-O	CHM-A	MAT-O
1.	Admission & Registration Fees	1250	1650	2100	2450	1300
2.	Tuition fee	3650	5700	4300	6300	4500
3.	Sports & Cultural fees	400	400	400	400	400
4.	Exam & stationery fee	450	450	450	450	450
5.	Library fee	300	300	300	300	300
6.	Identity Card fee	300	300	300	300	300
7.	Computer fee	3000	4000	2800	4700	7300
8.	Caution money deposit	2000	2500	2000	2500	2000
Total (₹)		11,350	15,300	12,650	17,400	16,550

Remaining Semesters		O	A	CHM-O	CHM-A	MAT-O
1.	Tuition fee	3650	5700	4300	6300	4500
2.	Sports & Cultural fees	400	400	400	400	400
3.	Exam & stationery fee	450	450	450	450	450
4.	Library fee	300	300	300	300	300
5.	Computer fee	3000	4000	2800	4700	7300
Total (₹)		7,550	10,850	8,250	12,150	12,950

N.B. Caution Money will be refunded after fulfilling the mandatory criterion viz. attendance percentage, caution money deposit receipt, course completion etc.

10.3 Fee Structure for Diploma in Computer Science & Engineering

Total course fee for Diploma in Computer Science & Engineering (DCSE) / Information Technology (DIT) is ₹ **87,000/-** including caution money deposit of ₹ 3000. The course fee may be paid semester-wise. Semester-wise fee structure amount is as follows:

First Semester		Amount in ₹
1.	Admission Fee	3300
2.	Tuition fee	5800
3.	Sports & Cultural fee	400
4.	Exam & stationery fee	450
5.	Library fee	300
6.	Identity Card fee	300
7.	Computer fee / Lab fee	6450
8.	Caution money deposit	3000
Total (₹)		20,000/-

Remaining Semester		Amount in ₹
1.	Tuition fee	5800
2.	Sports & Cultural fee	400
3.	Exam & stationery fee	450
4.	Library fee	300
5.	Computer fee / Lab fee	6450
Total (₹)		13,400/-

10.4 Fee Structure for Short Term IECT Courses

SI No	Name of the course	Fee (in Rupees)
1	Diploma in Computer Application & Networking	16000
2	Course on Computer Concepts (CCC)	3500
3	Basic Computer Course	1500
4	PC Assembly & Maintenance	6000
5	Graphics Designing	6000
6	Audio & Video Editing	6000
7	Web Designing	6000
8	Programming language like C, C++, Java, VB, C#, Oracle	6000
9	ITE & Soft Skills	16000
10	Repairing & Maintenance of Electronics Products	6000
11	Tally ERP 9	6500
12	Mobile Repairing	6000
13	Information Security & Cyber Law	6000
14	Diploma in Bio Medical Instrumentation & Maintenance	10000
15	Repair & Maintenance of Power supply, Inverter & UPS	10000

The current rate of service tax is 14.5% and is subject to change as per Central Govt. notification.

Other Short Term Courses will be charged according to the content and duration of the course. These Short Term Courses can be commenced any time with the minimum number of intake capacity.

11. ACADEMIC CURRICULUM FOR BCA

BCA course has been in progress since its launch in July 2007 academic session. It is a degree course in computer applications affiliated to Nagaland University. Duration of the course is 3 years. Admission to the course takes place during May/June every year. Admission notice is published in the local newspapers of Nagaland and other national newspapers about 2 months prior to the commencement of the course.

Objective: The objective of the course is to provide training to the potential candidates for becoming an Information Technology Graduate. BCA graduates are suitable for employment as Programmers, System Analysts and Administrators etc.

Recognition: This course is designed, prepared and approved by Nagaland University. It is a three years degree course awarded by Nagaland University.

Eligibility: Scoring 50% marks (45% for SC/ST) in 10+2 exam with English at 10+2 level.

Intake: 60 seats for each session

Selection Procedure/ Prerequisites: Selection of candidate is done on the basis of a written entrance test conducted by NIELIT, Kohima.

Syllabus & Scheme of Instruction:

First Semester

Sl.	Paper Code	Paper	Hours per week		Credit
			L	P	
1.	MAT:101	Mathematics 1	4	-	4
2.	ENG:105	English paper I	2	-	2
3.	ITA:103	IT Tools and Applications	4	-	4
4.	PPC:104	Programming and Problem Solving Through C Language	4	-	4
5.	BEL:105	Basic Electronics	4	-	4
6.	ELL:106	Electronics lab I (Basic Electronic lab)	-	2	2
7.	SWL:107	Software lab I	-	2	2
		i. IT Tools and Applications	-	2	2
		ii. Programming in C	-	2	2
Total					24

Second Semester

Sl.	Paper Code	Paper	Hours per week		Credit
			L	P	
1.	MAT:201	Mathematics II	4	-	4
2.	ENG:205	English Paper II	2	-	2
3.	DSC:203	Data Structure in C	4	-	4
4.	DEL:204	Digital Electronics	4	-	4
5.	ELL:205	Electronics lab II (Digital Electronic lab)	-	2	2
6.	SWL:206	Software lab II (Data Structure in C)	-	2	2
Total					18

Third Semester

Sl.	Paper Code	Paper	Hours per week		Credit
			L	P	
1.	OSM:301	Operating System	4	-	4
2.	CON:302	Computer Oriented Numerical Methods	4	-	4
3.	OOP:303	OOP in C++	4	-	4
4.	CMO:304	Computer Organization	4	-	4
5.	SWL:305	Software lab III (Computer Oriented Numerical Methods)	-	2	2
6.	SWL:306	Software lab IV (OOP in C++)	-	2	2
Total					20

Fourth Semester

Sl.	Paper Code	Paper	Hours per week		Credit
			L	P	
1.	DMS:401	Database Management System	4	-	4
2.	PPD:402	Professional Personality Development	4	-	4
3.	SAD:403	System Analysis and Design	4	-	4
4.	.NET:404	C# and ASP.NET	4	-	4
5.	SWL:405	Software lab V (C# and ASP.NET)	-	2	2
6.	SWL:406	Software lab VI (DBMS)	-	2	2
Total					20

Fifth Semester

Sl.	Paper Code	Paper	Hours per week		Credit
			L	P	
1.	MAP:501	Microprocessor Architecture and programming	4	-	4
2.	SWE:502	Software Engineering	4	-	4
3.	CMG:503	Computer Graphics	4	-	4
4.	504	Elective:- (choose any one)	4	-	4
	FMM:504	Fundamentals of Multimedia			
	ECM:504	E-Commerce			
	MBC:504	Mobile computing			
5.	EVS: 401	Environment studies (Compulsory paper)	3	-	3
6.	SWL:505	Software Lab VII (Computer Graphics)	-	2	2
7.	ELL:506	Electronics lab III (Microprocessor Architecture and programming)	-	2	2
Total					22

Sixth Semester

Sl.	Paper Code	Paper	Hours per week		Credit
			L	P	
1.	DCN:601	Data Communications & Computer Networks	4	-	4
2.	602	Elective:- (choose any one)	4	-	4
	NIS:602	Network and Information Security			
	TOC:602	Theory of Computation			
	DBS:602	Distributed System			
3.	BOM:603	Business Organization and Management	4	-	4
4.	604	Project	4	-	4
	PRO:604	i) Seminal ii) Viva Voice iii) Report			
	DAA:604	Design and Analysis of Algorithm			
Total					16

Examination:

Examination of the course is conducted by Nagaland University on semester wise basis during May and November. Each paper has maximum marks of 100. The evaluation scheme of the papers is as follows:

- a. **Theory** : 70 Marks Theory (External), 30 Marks (Internal Assessment)
- b. **Practical** : 70 Marks practical (External), 30 Marks (Internal Assessment)

Employment Opportunities:

- a) Computer Programmer
- b) System Analyst
- c) System Programmer/Administrator
- d) IT Project Manager
- e) Web Programmer/ developer
- f) Network Administrator
- g) Database Designer and Manager, etc.

12. ACADEMIC CURRICULUM FOR DOEACC ‘O’ LEVEL

DOEACC ‘O’ Level Course is a foundation course of NIELIT in the field of Information Technology. The duration of the course is 1 year (2 semesters of 6 months each). The next level IT course of NIELIT is DOEACC ‘A’ Level which 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 1 month prior to commencement of the classes.

Objective:

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

Recognition:

Recognition has been given by the Government of India to the DOEACC ‘O’ Level examination conducted by NIELIT as equivalent to Foundation Course in IT for the purpose of employment to the posts and services under Central Government.

Eligibility: 10+2 passed or ITI Certificate passed (one year after class 10).

Intake: 20 seats for each session

Selection Procedure: Selection of candidate is based on an entrance test conducted by NIELIT, Kohima.

Syllabus:

Paper Code	Paper Name
First Semester	
M1-R4	IT Tools and Business Systems
M2-R4	Internet Technology and Web Design
Second Semester	
M3-R4	Programming and Problem Solving through 'C' language
M4.1-R4	Application of .NET Technology
M4.2-R4	Introduction to Multimedia
# One Paper has to be chosen from M4.1-R4 & M4.2-R4	
Practical Papers & Project	
PR-1	Practical based on the theory papers of the syllabus
PJ	Project Work

Project Work:

Project Work under the NIELIT Scheme is an integral part of the curriculum to qualify for a certificate. There is one project after the completion of 2nd semester. No marks are assigned for this, but candidates are required to carry out the project successfully. The head of the Institute will submit a project completion certificate to NIELIT in the prescribed format for the purpose of issuing pass certificate to the students who have cleared all the papers and completed their project work.

Examination:

1. Theory Examinations:

DOEACC "O" Level theory examination is conducted twice a year (in the month of January and July) by NIELIT, New Delhi. Examination forms must be submitted online through NIELIT website. There is a number of examination centres all over India available/provided for, while collecting exam forms. Students can choose one of the examination centres 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/-.

2. Practical Examinations:

There is one practical paper for DOEACC "O" Level Course. The criterion for appearing the practical examination is that the candidate must have appeared or is appearing all the theory papers. 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 3 hours. Important dates regarding the examination are as follows:

Activity	Jan Exams	July Exams
Request for application forms at NIELIT, Kohima:		
i) Commencement date	1 st September	1 st March
ii) Closing date	15 th October	15 th April
Closing date for submission of filled forms at NIELIT, Kohima:		
i) Without late fee	15 th October	15 th April
ii) With late fee	30 th October	30 th April
Closing date for direct submission of form to NIELIT, New Delhi:		
i) Without late fee	31 st October	30 th April
ii) With late fee	10 th November	10 th May
Commencement of Examination:	2 nd Saturday of January	2 nd Saturday of July

Result of Examination:

Result of DOEACC '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. 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:

Sl.	Marks Scored	Grade to be awarded
1	Below 50%	F (Failed)
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, 6 CGO Complex, New Delhi-3. If changes are made after correction, the result is sent to the candidates from the Head Quarter.

Employment Opportunities:

Some of the employment opportunities available for the students after completion of DOEACC 'O' Level Course are given below:

1. Programmer Assistant
2. Junior Programmer
3. Computer Operator
4. IT Lab Assistant.
5. Teaching Assistant etc.

13. ACADEMIC CURRICULUM FOR DOEACC 'A' LEVEL

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. Duration of the course is 1½ Year (for students on direct entry) and 1 Year for 'O' level qualifiers. The course starts in the month of January and July every year. Admission notice is published in the local dailies about 1 month prior to the commencement of the course.

Objective:

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

Recognition:

Recognition has been given by the Government of India to DOEACC 'A' level examination conducted by the NIELIT as equivalent to Advanced Diploma Course in Computer Application for the purpose of employment to posts and services under the Central Government.

Eligibility: O level Qualifiers OR Any Graduate OR a Govt. recognized Polytechnic Engineering Diploma after class X /XII (No Concurrency).

Intake: 20 seats for each for each session

Selection Procedure:

Selection of candidate is purely on the basis of an entrance test conducted by NIELIT, Kohima.

Syllabus:

Paper Code	Paper Name
First Semester	
A1-R4	IT Tools and Business Systems
A2-R4	Internet Technology and Web Design
A3-R4	Programming and Problem Solving through 'C' language
Second Semester	
A4-R4	Computer System Architecture
A5-R4	Structured System Analysis & Design
A6-R4	Data Structure through C++
A7-R4	Introduction to DBMS
Third Semester	
A8-R4	Basics of OS, Unix & Shell Programming
A9-R4	Data Communication and Network Technologies
A10.1-R4	Introduction to Object Oriented Programming Through JAVA
A10.2-R4	Software Testing and Quality Management
# One Paper has to be chosen from A10.1-R4 & A10.2-R4	
Practical Papers & Project	
PR-1	Practical -1(Based on A1, A2, A3, A4 Papers syllabus)
PR-2	Practical -2(Based on A5,A6,A7,A8,A9,A10 Papers Syllabus)
PJ	Project Work

Project Work:

Project Work under the NIELIT Scheme is an integral part of the curriculum to qualify the course. After the completion of 2nd semester, one project carrying 100 marks is assigned to each student, to be carried out under the guidance and support of the faculty and management of the respective institute. The project report has to be submitted along with a fee of ₹ 500/- (in the form of Demand Draft in favour of NIELIT payable at New Delhi) and an enclosed certificate of authentication of the project to NIELIT, 6 CGO Complex, Electronics Niketan, New Delhi, only after the successful completion and clearance of a minimum of 5 theory papers. An expert nominated by NIELIT, as far as possible, near the candidate's location, will conduct a Viva-voce on the project. Following are some important information for the Project Work:

Project Supervisor / Guide

Guide for “A” Level should be a person with DOEACC “B” level / MCA / B.Tech / equivalent / higher qualification and adequate experience (minimum 3 years) in the area chosen by the student for the Project. In the case of a candidate from an accredited institute, the institute concerned will render all help including the nomination of the Supervisor.

Time Allotted for Submission of ‘A’ Level Project

‘A’ Level student can submit the project only after clearing 5 papers of the ‘A’ Level Course. ‘A’ level project would cover 350 man-hours approximately and carries a total of 100 marks (80% for the project evaluation and 20% for the viva-voce).

Preparation of the project Report:

The following guidelines may be followed in preparing the Project Report: Good quality, white executive bond paper A4 size should be used for typing and duplication. Care should be taken to avoid smudging while duplicating the copies.

Page Specification: (Written paper and source code)

Left margin 3.0 cms

Right margin 3.0 cms

Top margin 2.7 cms

Bottom margin 2.7 cms

Page numbers All text pages as well as Program source code listing should be numbered at the bottom-center of the pages.

Submission of Project Report to NIELIT

The student will submit his/her project report in the prescribed format along with requisite fee. The Project Report should include:

1. One hard copy of the Project Report.
2. Soft copy of the Project on Floppy / CD
3. The Project Report may be about 50 pages (excluding coding).

FEES:

A fee of ₹ 500/- (Rupees Five Hundred only) should be remitted to NIELIT by a demand draft in favour of NIELIT, payable at New Delhi.

Examination:**1. Theory Examinations:**

DOEACC “A” Level theory examination is conducted twice in a year (in the month of January and July) by NIELIT, New Delhi. The list of examination centres,

spread all over India will be available while collecting exam forms, out of which students can choose one of the centres according to their convenience.

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

2. Practical Examinations:

Practical Examination for DOEACC “A” Level course will be conducted at the Institute itself under the supervision of NIELIT, New Delhi. Students need to provide the option for appearing in practical examination(s) while filling up exam forms with payment of additional practical examination fee of ₹ 300/- per paper. Duration of each practical examination is 3 hours.

DOEACC “A” Level Course has two practical papers viz. PR-1 & PR-2 of full mark 100 (including 20 marks for Viva Voce) each. PR-I will be based on A1-R4, A2-R4, A3-R4 & A4-R4 papers while PR-2 will be based on the remaining papers.

The eligibility criteria for appearing the practical papers of the course are as follows:

PR1: Need to have appeared A1-R4, A2-R4, A3-R4 & A4-R4 papers or appearing these papers along with PR1.

PR2: Need to have appeared A5-R4, A6-R4, A7-R4, A8-R4, A9-R4 and A10.1-R4/A10.2-R4 papers or appearing these papers along with PR2.

Important dates regarding the examination are as follows:

Activity	Jan Exams	July Exams
Request for application forms at NIELIT, Kohima:		
i) Commencement date	1 st September	1 st March
ii) Closing date	15 th October	15 th April
Closing date for submission of filled forms at NIELIT, Kohima:		
i) Without late fee	15 th October	15 th April
ii) With late fee	30 th October	30 th April
Closing date for direct submission of form to DOEACC, New Delhi:		
i) Without late fee	31 st October	30 th April
ii) With late fee	10 th November	10 th May
Commencement of Examination	2 nd Saturday of January	2 nd Saturday of July

Result of Examination:

Results of DOEACC “A” Level examination is published in the NIELIT website <http://student.nielit.in> normally after two & half months of completion of the exam. Results are also sent from the NIELIT Headquarter to individual candidates. The result will be provided in the form of Grade. The marks scored in practical papers & project are not added to the overall grade of the exam but, clearing practical papers and successful completion of Project are necessary criteria for awarding the certificate.

Following is the Gradation system of the above mentioned NIELIT Course:

Sl.	Marks Scored	Grade to be awarded
1	Below 50%	F (Failed)
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 should be sent directly to Examination Section, NIELIT, 6 CGO Complex, New Delhi-3. If changes are made after correction, the result is sent to the candidate from the Head Quarter.

Employment Opportunities:

Some of the available employment opportunities for the students after completion of DOEACC “A” Level Course are Programmer, Asst. Database Manager, and Teaching Assistant etc. Following chart shows the employment opportunities in respect of all the NIELIT IT Professional Courses viz. DOEACC “O”, “A”, “B” and “C” Levels.

O

LEVEL

- * Programmer Assistant
- * Junior Programmer

A

LEVEL

- * Programmer
- * Asst. to Database Manager

B

LEVEL

- * System Analyst
- * Software Engineer
- * Training Faculty

C

LEVEL

- * Project Manager
- * System Specialist / Manager

14. ACADEMIC CURRICULUM FOR DOEACC ‘CHMO’ LEVEL

This is a diploma course in Computer Hardware Maintenance. Duration of the course is six months starting in February and August every year. Admission notice of this course is also published in local dailies about 1 month prior to the commencement of course.

Objective:

The objective of the course is to prepare candidates for NIELIT Hardware examinations by imparting required knowledge and skills.

Recognition:

Recognition has been given by the Government of India to the “CHM-O” level examination conducted by the NIELIT as equivalent to the diploma course in Computer Hardware Maintenance for the purpose of employment to posts and services under the Central Government. This course is launched jointly by NIELIT and Manufacturer’s Association for Information Technology (MAIT), an apex body representing IT hardware training, IT design/ R&D and associated services in India.

Eligibility: 10+2 passed or ITI Certificate passed (one year after class 10) in Electrical/Electronics/ Computers/Instrumentation Engineering.

Intake: 20 seats for every session.

Selection Procedure: Selection of a candidate is done on the basis of an entrance test conducted by NIELIT, Kohima.

Syllabus:

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

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

Examination:**1. Theory Examinations:**

The examination is conducted by NIELIT, (Aurangabad Centre) two times in a year - in the month of August & February every year. Examination form can be collected from NIELIT, Kohima on payment of ₹ 80/- in cash.

Full marks of each paper are 100 and exam duration is 3 hours. Examination fee for each theory paper is ₹ 572.50/- including service tax. For the students of NIELIT, a formal announcement is made for the issue & submission of examination forms.

2. 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, Kohima for the trainees of NIELIT under the supervision of NIELIT.

Following are the tentative dates for the issue & submission of exam forms and commencement of the Examination.

Activity	Jan Exams	Aug. Exams
Issue of Examination form at NIELIT, Kohima		
i) Commencement date	15 th September	15 th April
ii) Closing date	20 th November	20 th May
Closing date for submission of filled forms at NIELIT, Kohima:		
i) Without late fee	20 th November	20 th May
ii) With late fee	5 th December	5 th April
Commencement of Examination	1 st Saturday of February	1 st Saturday of August

Result of Examination:

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

15. ACADEMIC CURRICULUM FOR DOEACC 'CHMA' LEVEL

This is the second level course in computer hardware after CHM-O Level. It is an advance diploma course in Computer Hardware Maintenance & Networking. Duration of the course is one & a half year (one year for CHMO Level qualifiers)

starting in February and August every year. Admission notice for this course is also published in the local dailies of Nagaland about 1 month prior to the commencement of course.

Objective:

The objective of the course is to prepare candidates for NIELIT Hardware examinations by imparting required knowledge and skill.

Recognition:

Recognition has been given by the Government of India to the “CHM-A” level examination conducted by the NIELIT as equivalent to Advanced Diploma Course in Computer Hardware Maintenance and Networking for the purpose of employment to posts and services under the Central Government. This course is launched jointly by NIELIT and Manufacturer’s Association for Information Technology (MAIT), an apex body representing IT hardware training, IT design/ R&D and associated services in India.

Eligibility:

CHM-O Level Passed/ Diploma in Electronics/ Computers/ Electrical/ Instrumentation after 10 pass or undergoing 2nd year BSc. with Physics/ Electronics/ Computer or undergoing 2nd year B.E (Electrical/ Electronics/ Computer/ IT) and accredited ‘A’ Level course (may be concurrent).

Intake: 20 seats for every session.

Selection Procedure:

Selection of a candidate is done on the basis of an entrance test conducted by NIELIT, Kohima. If the number of applicants is less, entrance test will not be held.

Course duration & Exemption from Papers for “CHMO” Level Qualifiers:

Students who have qualified ‘CHM-O’ Level and joined the CHM-A level course shall get exemption from the subjects of ‘CHM-A’ Level (both theory & practical papers) that are same as those of ‘CHM-O’ Level. Course duration of such candidates will be only one year (two semesters) i.e. they can directly join the second semester.

Syllabus:

Paper Code	Paper Name
First Semester	
CHM-A1	Electronics Components and PC Hardware
CHM-A2	PC Architecture
CHM-A3	Computer Peripherals & Networking
CHM-A4	System Software Diagnostic and Debugging Tools
CHM-A5	Personality Development & Communication Skills
CHM-AP1	PC Debugging-Repair & Maintenance
CHM-AP2	Software Installation & Maintenance
Second Semester	
CHM-A6	Advance PC Hardware and Networking Components
CHM-A7	Data Communication and Computer Networks
CHM-A8	Network Management and Administration
CHM-AP3	Advanced Hardware & Networking
CHM-AP4	Network Administration
Third Semester	
CHM-A9	Linux Administration
CHM-A10	Entrepreneurship Development
CHM-A11	Elective (Need to choose one from the following 4 papers)
Elective theory papers	
CHM-AE1	IT Security
CHM-AE2	Advance Network Management
CHM-AE3	Introduction to Embedded System
CHM-AE4	Networking with Advance Components
Project	
CHM-APJ	Project Work

Project Work:

On completion of the theory papers, DOEACC “CHM-A” curriculum requires every student to successfully carry out a mandatory project by applying their acquired technical knowledge and skills in solving a real problem. A student can submit the project only after passing 5 papers and if appearing in remaining papers during the next

examinations. A fee of ₹ 1000/- shall be remitted to NIELIT Centre drawn in any nationalized bank for evaluation.

Examination:

1. Theory Examinations:

The theory examination is conducted by NIELIT, (Aurangabad Centre) two times in a year - in the month of August & February every year. Examination form can be collected from NIELIT, Kohima on payment of ₹ 80/- in cash.

Full mark of each paper is 100 and exam duration is 3 hours. Examination fee for each theory paper is ₹ 572.50/- inclusive of service tax.

2. Practical Examinations:

There are four practical papers for the course carrying 100 marks each (20 marks each for Viva-Voce). Practical Examination is conducted at NIELIT, Kohima for the trainees of NIELIT under the supervision of NIELIT. The same form for appearing theory exam is used in applying for practical examination with additional practical exam fee of ₹ 572.50/- including service tax per paper. Following are the tentative dates for issue & submission of exam forms and commencement of the Examination:

Activity	Jan Exams	Aug. Exams
Issue of Examination form at NIELIT, Kohima		
i) Commencement date	15 th October	15 th April
ii) Closing date	20 th November	20 th May
Closing date for submission of filled forms at NIELIT, Kohima:		
i) Without late fee	20 th November	20 th May
ii) With late fee	5 th December	5 th April
Commencement of Examination	1 st Saturday of February	1 st Saturday of August

Result of Examination:

Result of CHM-A Level examination is published in NIELIT Centre, Aurangabad website www.nielit.gov.in/aurangabad. For the students of NIELIT, Kohima, results can be enquired from the office. Results are given in grade system like DOEACC 'O' & 'A' Level Courses. The marks scored in practical paper(s) are not added to the overall grade of the exam but, clearing practical paper(s) is a necessary criterion for awarding the certificate.

16. ACADEMIC CURRICULUM FOR MAT-O LEVEL

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 next level IT course of NIELIT is MAT-A Level which is equivalent to Advance Diploma course in Multimedia & Animation Technology. The course commences in the month of February and August every year. Admission notice is published in the local dailies about 1 month prior to commencement of the classes.

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.

Eligibility: 10+2

Intake: 20 seats for each session

Selection Procedure: Selection of candidate is based on an entrance test conducted by NIELIT, Kohima.

Syllabus:

Paper Code	Paper Name
First Semester	
MAT.O1.R0	Introduction to Information Technology
MAT.O2.R0	Introduction to Multimedia
Second Semester	
MAT.O3.R0	Multimedia Processing Techniques
MAT.O4.R0	Multimedia Design Principles & Applications
Practical Papers & Project	
PR-1	Practical in First Semester
PR-2	Practical in Second Semester
Mini Project	Project in First Semester
Major Project	Project in Second Semester

Project Work:

Project Work under the NIELIT Scheme is an integral part of the curriculum to qualify for the certificate. There is one mini project at the end of the first semester which should be carried out by the candidate in the center and evaluated internally.

After the completion of 2nd semester, a major project must be carried out by the candidate internally or outside and submit to the Head Quarter or Nodal Center in the prescribed registration period. Mini Project carries 50 marks and Major Project carries 200 marks.

Examination:

1. 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 is a number of examination centres all over India available/provided for, while collecting exam forms. Students can choose one of the examination centres 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/-.

2. 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 3 hours.

Fee charter is shown below:

Sl. No.	Particulars	Fee (in ₹)
1.	Exam fee for each Theory Module	500
2.	Exam fee for each Practical Module	300
3.	Late submission of Exam Application form fee	100
4.	Improvement of Theory Module fee	500
5.	Mini Project fee	300
6.	Resubmission of Mini Project fee	300
7.	Major Project fee	500
8.	Resubmission of Major Project fee	500
9.	Issue of Duplicate Certificate fee	100
10.	Re-totaling of Answer Script fee	200
11.	Disclosure of Answer Script fee	500

Result of Examination:

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 Head Quarter.

Employment Opportunities:

As per the recent market trend and the objective of the course as well as the projected skill sets of the “MAT-O” Level qualifiers, it is envisaged that the likely career options will be:

1. Multimedia Production Assistant
2. Multimedia Technician
3. Web Developer

17. ACADEMIC CURRICULUM FOR DIPLOMA IN COMPUTER SCIENCE & ENGINEERING

Diploma in Computer Science & Engineering is a course under State Council of Technical Education, Nagaland under Directorate of Technical Education. Duration of the Course is 3 years. Admission to the course will be done during May/June every year. Admission notice is published in the local newspapers and some national newspapers about a month prior to the commencement of the course.

Objective: The Objective of the course is to provide training to the potential candidates to become an IT professional. Introduction to different new concepts for Engineering studies will be provided which will be a backbone for their career.

Recognition: This course is designed, prepared and approved by State Council of Technical Education, Nagaland.

Eligibility: 10 pass with 45% aggregate in Science & Maths and pass both Science and Maths separately.

Intake: 60 seats

Selection Procedure: Selection of candidate is done on the basis of a written entrance test conducted by NIELIT, Kohima.

Syllabus/Scheme of Instruction for Diploma in Computer Science & Engineering Semester – I

Sl.	Course Code	Name of Course	Teaching Scheme			Credit
			L	T	P	
1	G1 01	Communication Skills-I	3	-	2	5
2	G1 02	Value and Ethics in Technical Education	-	1	1	2
3	G1 03	Engineering Mathematics-I	4	1	-	5
4	G1 04	Applied Physics	3	-	2	5
5	G1 05	Applied Chemistry	3	-	2	5
6	G2 02	Computer Fundamentals & Applications	2	-	4	6
Total : 6						28

Semester – II

Sl.	Course Code	Name of Course	Teaching Scheme			Credit
			L	T	P	
1	G2 01	Communication Skills-II	3	1	-	4
2	G2 03	Engineering Drawing	2	-	6	8
3	G2 07	Engineering Mathematics-I I	4	1	-	5
4	CSE2 01	Fundamentals of Electrical & Electronics	3	-	2	5
5	CSE2 02	Computer Center Management	3	1	-	4
6	CSE4 06	Programming in C	2	-	3	5
Total : 6						31

Semester – III

Sl.	Course Code	Name of Course	Teaching Scheme			Credit
			L	T	P	
1	G3 03	Engineering Economics	3	2	-	5
2	CSE4 02	Electronics Workshop	1	-	3	4
3	CSE4 03	Data Structure	3	1	2	6
4	CSE4 05	Operating System	4	1	-	5
5	CSE4 07	Network Essentials	3	2	1	6
6	CSE5 05	Object Oriented Programming in C++	2	1	3	6
Total : 6						32

Semester – IV

Sl.	Course Code	Name of Course	Teaching Scheme			Credit
			L	T	P	
1	G304	Marketing Management	3	2	-	5
2	CSE4 04	Computer Architecture	3	1	2	6
3	CSE4 08	Database Management System	4	1	2	7
4	CSE5 02	Linux O.S.	3	-	2	5
5	CSE5 07	Multimedia Technology & Application	3	-	3	6
6	CSE5 08	Programming in Visual Basic	3	1	2	6
Total : 6						35

Semester - V

Sl.	Course Code	Name of Course	Teaching Scheme			Credit
			L	T	P	
1	CSE4 01	Software Engineering	3	1	-	4
2	CSE5 01	MP & Programming	3	1	2	6
3	CSE5 03	Client Server Applications	3	1	2	6
4	CSE5 04	System Software	3	1	2	6
5	CSE5 06	Web Page Design	2	1	3	6
Total : 5						28

Semester - VI

Sl.	Course Code	Name of Course	Teaching Scheme			Credit
			L	P	T	
1	G5 01	Entrepreneurship Development	4	2	-	6
2	CSE5 09	Project	2	-	8	10
Networking Technology						
3	CSE6 01N	Computer Networks	4	2	1	7
4	CSE6 02N	Network Installation & Management	4	-	2	6
5	CSE6 03N	Wireless and Mobile communication	4	2	1	7
6	IBT 01	Industrial Training of six week duration				10
Total : 6						46

18. ACADEMIC CURRICULUM FOR SHORT TERM COURSES

18.1 Diploma in Computer Application & Networking (DCAN)

Since inception of the DCAN course from January 2011 session at NIELIT Kohima, it has been instrumental in facilitating efficiency of a person while working in offices, whether government-run or private-run.

Course Evaluation:

Class participation	- 20%
Class assignments	- 30%
Final Examination	- 50%

Students must have **80%** and above attendance/class participation in a month. Attendance is reviewed every month.

Certificate is issued only after appearing the final examination which is held after the completion of the Course. The result is provided in the form of Grades like “O” and “A” level courses.

Course Outlines

Introduction to Computer System: Basic Computer Concept, Computer Organization, Windows OS: Windows XP Vs. Windows 7

Microsoft Office 2007: MS Word, MS Excel, MS PowerPoint

Internet & its usage: Web, webpage, website, email, attachment

Multimedia: Photoshop, Adobe Premiere, Adobe InDesign

PC Assembly & Maintenance: Introduction to PC hardware, Motherboard & Processor, BIOS Configuration, Installation of OS, Hard Disk, Installation of device drivers, Configuration of Computer peripherals such as sound card, printer, graphics card etc., Diagnostic & Troubleshooting of PC, Maintenance of PC

Utilities – Lost file recovery, formatting hard disk, defragmenting, antivirus package, CD writing software etc.

Basic networking Concept: What is Networking, Local Area Network (LANs), Metropolitan Area Network, (MAN), Wide Area Network (WAN), Networking Topologies, Transmission media & method of communication, Cabling: straight through and cross over, Study of components like switches, bridges, routers, Wi-Fi router etc. TCP/IP, IP addressing, MAC address, Subnet.

18.2 Course on Computer Concepts (CCC)

CCC is the basic computer course specially designed by NIELIT which includes Fundamentals of Computer, computer handling on Windows environment, MS-office tools, Internet and its applications. This course is directed towards imparting basic computer skills and awareness to the masses viz. students, office goers, housewives, etc.

Syllabus details and allotted training hours of the course are as follows:

Sl.	Chapter	Theory Hrs.	Tutorials Hrs.	Practical Hrs.
1.	Introduction to Computer	2	1	4
2.	Introduction to GUI based OS	3	-	8
3.	Elements of Word Processing	3.5	2	9
4.	Spreadsheets	3.5	2	10
5.	Introduction to Internet, WWW & Web browser	6	-	8
6.	Communication & Collaboration	2	-	2
7.	Application of Presentation	4	-	8
8.	Application of Digital Financial Services	1	-	1
Grand Total		25	5	50

An online examination of 90 minutes duration is held at NIELIT & its Extension Centre by NIELIT, New Delhi for awarding the pass certificate. The test comprises 100 Multiple Choice type or True/False type questions. The online examination is conducted on 1st and 3rd Saturday of every month. The examination fee is ₹ 500/- plus service tax. Given below is the important tentative schedule of the examination.

Examination	Submission of Exam Form at NIELIT, Kohima	Examination	Submission of Exam Form at NIELIT, Kohima
January	November 1 to 30	July	May 1 to 31
February	December 1 to 31	August	June 1 to 30
March	January 1 to 31	September	July 1 to 31
April	February 1 to 28	October	August 1 to 31
May	March 1 to 31	November	September 1 to 30
June	April 1 to 30	December	October 1 to 31

18.3 Basic Computer Course

Basic Computer Course is specially designed for imparting basic computer education to the common man, a prerequisite for meeting the purposes of preparing personnel/business letters, viewing information on Internet (the Web), sending mails etc, via computer. This can accelerate one's pace in tune with the "I.T. Revolution". Duration of the course is 36 hours. This course can also be offered as a 6 days full-time intensive course. The eligibility criteria for applying and appearing for the BCC examination is VIII standard-passed. The examination fee is ₹ 450/- plus service tax. An Online examination is conducted by NIELIT, New Delhi with duration of 45 minutes, for the purpose of awarding the certificate.

18.4 PC Assembly & Maintenance Course

The course is designed to build up the capacity of self-employment in the field of Repairing, Assembling Installing and troubleshooting of PC's. Duration of the course is 2 months @ 2 hours per day.

Admission will be on first-come, first-serve basis. Admission notices are published in the local dailies about 10 days prior to commencement of the course or after completion of the course.

An examination/test is held at the end of the training programme by NIELIT, Kohima and certificates are issued to the successful trainees.

18.5 Graphics Designing

It is a 2 months course designed to provide training on basic graphics design concepts. The course includes image/photo editing using Photoshop and graphics designing using CorelDraw, Illustrator and DTP using InDesign.

Like other short term courses, admission to the course is on first-come, first-serve basis. Admission notice is published in the local dailies about 10 days prior to commencement of course.

An examination/test is held at the end of training programme by NIELIT, Kohima and certificates are issued to the successful trainees.

18.6 Audio & Video Editing

This is a two months course designed to provide training on Audio and Video editing. The course includes Sound recording, editing & manipulation, applying effects etc., Video recording using camera, capturing, editing and exporting to final video. The students must prepare a small project at the end of the course to award the certificate.

18.7 Web Designing

This is a two months course designed to provide training on webpage designing, publishing and maintenance of website. Using current industry-standard design software, this course is aimed at people with good computer skills who may have little or no knowledge of web technologies but who wish to develop, design, launch and maintain websites.

18.8 Programming Language like C, C++, Java, VB, C# and Oracle

From time to time, NIELIT offers various certificate courses as per demand. The duration of these courses is normally 2 months with 2 hours training per day. The eligibility criteria are basic knowledge of computer. An examination/test is conducted at the end of training programme by NIELIT, Kohima and certificates are issued to the successful trainees.

18.9 ITE & Soft Skills Training Programme

The institute started the ITE & SS training programme on November 2004 under the sponsorship of Dept. of DoNER, Govt. of India. Duration for the course is 2 months @ 3 hours per day. There are 3 major topics/areas of training viz. IT Skill, Soft Skill and English Skill apart from various training-related activities like mock calls, mock presentations, and mock interviews, etc. The syllabi of the course aim to enhance the employability of the trainees.

Normally admission to the course is based on a personal interview conducted by NIELIT, Kohima. Admission notice is published in the local dailies of Nagaland about 10 days prior to commencement of course or after completion of training of a former batch.

An examination/test is conducted at the end of the training programme by NIELIT, Kohima and certificates are issued to the successful trainees. NIELIT, Kohima has been arranging campus/telephonic interviews for the trainees of the programme from time to time. As of date, through such interviews, over 100 trainees have been selected for working in various companies located in different cities of India.

Some of the companies who visited/arranged telephonic interviews for providing placement to our trainees are i) Wipro Spectramind, New Delhi ii) EXL, Noida iii) 24X7, Hyderabad & Bangalore iv) Convergys, Bangalore v) Navigant, Gurgaon vi) Wipro, Kolkata etc.

18.10 Repairing & Maintenance of Electronics Products

This course has been designed to provide an introduction to repair and maintenance of equipment such as stabilizer, CRT, Inverter, battery etc. The course includes identification of electronic components, testing and measuring instruments and repairing of electronic products.

18.11 Tally ERP 9

This course covers the topics on concept, tools and techniques of accounting using Tally. The main contents of the course are accounting process, recording transactions, generating and printing of reports & invoices.

18.12 Mobile Repairing

The course is designed to build the capacity for self-employment in the field of mobile handset repairing. The course includes Generations of mobile phones, components used in mobile handsets, mobile phone hardware troubleshooting (water damage, hang, charging problems, network problems, power failure, keypad problems etc.), installation of software, flashing, use of secret codes, PC based diagnostic tools. Students should be able to troubleshoot and repair the given handset at the end of the course to avail the certificate.

18.13 Information Security & Cyber Law

The course will cover the basics of information security and spread awareness in this field to help the participants understand the importance of security in their daily lives. It is a 3 months course and covers a broad range of security related concepts and issues that are faced by individuals and organizations today. It also aims to give an understanding of IT Act and its relevance in Cyber Law, and, to help examine the practical aspects of the issues involved in secure systems and networks, and industrial practices being adopted to protect information systems.

18.14 Diploma in Biomedical Instrumentation and Maintenance

This course has been designed to provide knowledge about the various devices used in medical field and to impart awareness on the safety aspects of the medical instruments. To understand the basics of how the signals are obtained from the body that is to be measured by various machines. To understand health and safety issues through medical electronics concepts and ability to repair medical instruments. To implement and evaluate an electronic/computer-based system, process to meet desired needs in healthcare.

18.15 Repair & Maintenance of Power supply, Inverter & UPS

This course has been designed to provide knowledge on repair and maintenance of power supply, Inverter and UPS. The participants after completion of the course can efficiently troubleshoot problems related to CVT, Inverter and UPS.

19. WORKING HOURS AND VACATION

NIELIT follows five working days a week i.e. Monday to Friday (Saturdays & Sundays are closed). The office hour for all working days is 09:00 am to 05:00 pm. In addition to these, the centre follows the Schedule of holidays as per the rules of the Government of India and CGEWCC, Nagaland. There is no specific vacation like summer or winter vacation but there is a break of about 20-30 days after semester/annual examination.

20. STUDENTS SCHOLARSHIP

Students of NIELIT, Kohima enjoy various scholarships extended by State Government, Central Government and NIELIT. Some of the scholarship schemes are:

- i) Merit Scholarship Scheme for SC/ST/Physically Handicapped and Female candidates:

This scheme took effect from January 2003 Examinations. Candidates pursuing full time NIELIT Courses are offered Scholarship ranging from ₹ 4,000/- to ₹ 12,000/- 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 ₹ 1 lac p.a.

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

- ii) Post-matric scholarship under Higher Education Department of state Govt.

Students of NIELIT, Kohima undergoing BCA or NIELIT long term Courses who belong to SC/ST category of Nagaland State can apply for the post-matric scholarship under Higher Education Department, Govt. of Nagaland.

21. EXTRA-CURRICULAR ACTIVITIES

The institute organizes various co-curricular activities like annual sports meet, pre-Christmas program and other cultural & literary programs for the staffs and students. In addition, the students participate in various inter-college activities.



DESTINATION NORTH-EAST 2016



DIGITAL INDIA WEEK 2015



PRE CHRISTMAS 2015



1ST STATE LEVEL INTER SCHOOL QUIZ COMPETITION ON 'CYBER SECURITY' ORGANIZED BY NIELIT, KOHIMA



LITERARY CUM SPORTS MEET 2015



NATIONAL DIGITAL LITERACY MISSION



ICT SKILLS TRAINING FOR GOVERNMENT EMPLOYEES

22. NIELIT RURAL EXTENSION CENTRE, CHUCHUYIMLANG

The Rural Extension Centre of NIELIT (National Institute of Electronics & Information Technology), Kohima was established at Chuchuyimlang in the year 2006 in collaboration with Nagaland Gandhi Ashram Chuchuyimlang under Mokokchung district, Nagaland. The institute prioritizes the vision to become a Centre of Excellence in the area of Electronics and Information Technology. It maintains a learner-centric environment with the objective of providing I.T. literacy among the rural youths in and around the district, and in empowering them to rise to their full potentials for technological advancements, at a moderate cost.



With a built-up space of about 4687 sq.ft., the institute has state of the art infrastructure distinctively featuring interactive smart classrooms, modern labs, 1 hardware lab, faculty cabins, library and an administrative room. This has been encouraging and facilitating the experienced faculty, staff and students alike to work synergistically. Since inception, NIELIT, Chuchuyimlang has been offering both short

term and long term courses and has strength of over 948 students, many of them now placed in various government and private sectors.

The central government's recent approval of the NIELIT, Chuchuyimlang Expansion Project has furthered the possibilities of maximizing our program utility, accommodating the increasing student enrollment and strengthening the outreach of services to the community. This project will also tie together both campus enhancement and extensions, which will provide space for better infrastructure.

23. OBJECTIVES OF THE EXTENSION CENTRE

1. To provide quality technical education in IT and related disciplines.
2. To develop creative, competent and motivated professionals who are capable of critical thinking and independent life-long learning and being receptive to changing needs.
3. To create skilled manpower in the area of Computer Science and Information Technology and related disciplines for making available industry ready professionals.
4. To make a significant contribution to the socio-economic development of Nagaland.

24. HOW TO REACH THE EXTENSION CENTRE

National Institute of Electronics & Information Technology, Rural Extension Center is situated on NH-61 Amguri road, Chuchuyimlang, Mokokchung Nagaland. Chuchuyimlang is 29 kms away from Mokokchung Town, the nearest rail station is Amguri Assam and nearest Airport is Jorhat, Assam which is 80 kms away.



Chuchuyimlang is one of the biggest Ao villages in Mokokchung and is promoted as a tourist village by the Department of Tourism, Govt. of Nagaland.

25. FACILITIES AT THE EXTENSION CENTRE**25.1 Class Rooms**

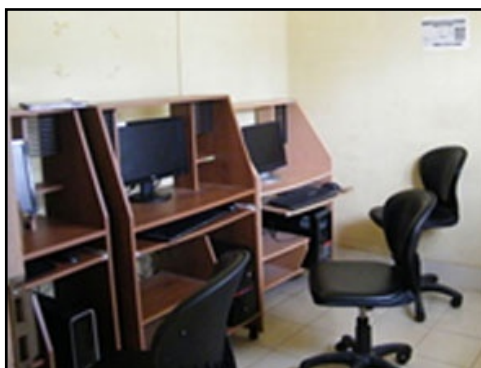
The Institute has three class rooms with a capacity of 20 students each. White board and other educational aids such as projector are used in the class room for more interactive learning.

**25.2 Software Lab / Multimedia Lab**

This lab has 20 high end multimedia computers which are loaded with Windows 7 operating system and Multimedia Software. It is used for conducting Multimedia course, VB.Net, Web Designing and other advanced programming language courses. A ceiling mounted projector is provided to facilitate the faculty and students for conducting the classes. All the systems are connected through Intranet and are protected against viruses, worms and other online attacks through a centrally monitored Internet Security Suite.

**25.3 Basic Programming Lab**

There are 24 computers in this lab which are loaded with Windows XP and Windows 7 operating system. This lab is basically used for conducting short term courses like CCC and programming for 'O' and 'A' level courses.

**25.4 Project Lab**

There are 3 computers in this lab which are equipped with Windows 7 operating system. This lab is used by the students for developing their projects which is compulsory for 'O' and 'A' level courses.

25.5 PC Assembly & Maintenance Lab

This lab is used for conducting ICT & Resources Practical class and is used for short term course (PCAM). The lab has facilities for practicing Assembling and De-assembling of PC, maintenance, installation of OS, software's, drivers and troubleshooting using different computer brands. It is equipped with basic electronic equipment like digital and analog multi-meter, LAN tester, soldering and de-soldering pump and various trainers' kits. Training capacity is 10 students at a time.

25.6 Library

The well-stocked library is the most rewarding place for every student. The library collection consists of books, Periodicals, audio visuals and CD-ROM's. It has a collection of over 2000 volumes covering all areas and levels of study. Students can borrow 2 to 4 books at a time. The stock is updated as required and consists of multiple copies of course text together with supplementary and reference material. The library subscribes to academic and professional journals and digital resources. Photocopy services for students are provided by the library in accordance with the copyright laws.



25.7 Power Supply & Backup

24 hours uninterrupted power supply is provided to the office building. There are three 5 KVA and one 10 KVA online UPS systems, one 15 KVA and one 40 KVA silent DG set fully engaged for power backup system supported by proper electrification works and safety mechanisms. One 25 KV dedicated step down is also installed mainly for the institute.



25.8 e-Learning Facilities

NIELIT Extension Centre is designed to be excellent in e-learning which is the catalyst that is changing the whole model of learning in this century. A learning management system (LMS) software called Moodle is made available in our intranet. The e- learning contents of all courses CCC, 'O' level and 'A' level are integrated with Moodle. Students as well as faculty can access the contents whenever required. The software is also used for conducting internal test, assignment for the students.

25.9 Publication

NIELIT Extension Centre has a monthly publication of a newsletter called **ENTER**. Contributions from students as well as other readers on technological topics are being published. **ENTER** is being circulated in Mokochung as well as couriered to student bodies and organizations of Longleng, Zunheboto & Tuensang district. The aim of **ENTER** is to provide technical information and an awareness of the Institute's activities to the rural people.

26. FACULTY & STAFF OF THE EXTENSION CENTRE

NIELIT Extension Centre has well qualified and experienced faculties and staffs helping students on an individual basis outside lectures and tutorials, and involved in both academic and student support activities. In addition faculties also undergo various trainings from time to time to update the knowledge/skills with the latest technologies.

27. COURSES OFFERED AT THE EXTENSION CENTRE

Sl. No	Course	Eligibility	Duration/ Semester	Intake capacity
1	DOEACC 'O' Level	10+2 passed or 1 yr ITI passed after class 10	1 year (2 semesters)	20 per Batch
2	DOEACC 'A' Level	O level qualifier or any graduate or govt. Recognized polytechnic Engineering or 1 year diploma after X/XII (No concurrency)	1½ year (3 semesters)	20 per Batch
3	Diploma in Computer Application & Networking (DCAN)	10 with Knowledge of English language	6 months @ 2 hrs per day	20 per Batch

4	Course on Computer Concepts (CCC)	Knowledge of English language	2 months @ 2 hrs per day	20 per Batch
5	PC Assembly & Maintenance	10 passed	2 months @ 2 hrs per day	20 per Batch
6	Graphics Designing	10+2	2 months @ 2 hrs per day	20 per Batch
7	Audio & Video Editing	10+2	2 months @ 2 hrs per day	20 per Batch
8	Web Designing	Knowledge of Computer	2 months @ 2 hrs per day	10 per Batch
9	Course on Programming language like C, C++, Java, Visual Basic, C#, Oracle.	Knowledge of Computer	2 months @ 2 hrs per day	10 per Batch

28. ACADEMIC CURRICULUM OF THE EXT. CENTRE

All academic curricula, admission procedures, fees, examination schedules, reservation, exemption of fees are same as NIELIT, Kohima and may kindly refer to previous pages of this prospectus.

Applications seeking admission to NIELIT, Kohima must be sent/submitted to the following address:

National Institute of Electronics & Information Technology (NIELIT)
 Meriema, New High Court Road, Post Box No. 733
 Kohima, Nagaland-797 001

Applications for seeking admission to NIELIT Extension Centre, Chuchuyimlang must be sent/submitted to the following address:

NIELIT Rural Extension Centre
 Nagaland Gandhi Ashram (NGA)
 Chuchuyimlang, Mokokchung District-79



Head Quarters

NIELIT

Electronics Niketan

6 CGO Complex, New Delhi - 110 003

Tel : 011 - 24363330 / 3, 24366577 / 9

Fax : 011 - 24363335,

Website : <http://nielit.gov.in>

NIELIT Kohima

Meriema, New High Court Road,

Post Box No. 733

Kohima, Nagaland - 797001

Tel : 9436215243

website : <http://nielit.gov.in/kohima/>

NIELIT Rural Extension Center

Nagaland Gandhi Ashram

Chuchuyimlang, Mokokchung

Nagaland - 798614

Tel : 0369 - 2261357

website : <http://nielit.gov.in/chuchuyimlang/>