Foreword

I am grateful that you are contemplating to do a course in NIELIT, Chandigarh. You have definitely made the right decision to get the best education in the Electronics and IT field, which is beyond excellence.

Computer Science and technology has been accelerating fast towards advancement and many new innovations are being made to achieve efficiency and improve cost-effectiveness by exploiting technical human resources. Millennium 2000 is undoubtedly an era of Information Technology. It has become absolutely essential to be abreast with rapidly growing technological advancements in the application of Information Technology, which have been affecting every aspect of human life, in an unprecedented manner. This Centre has been making an earnest endeavour to promote this culture and to disseminate knowledge amongst Govt. Departments, Boards, Corporations, Technical Institutions and general public. Besides, Electronics and IT industry is in dire need of professionally qualified and technically trained manpower. It is helping entrepreneurs and young students to adapt to this field by choosing it as their career prospective.

Chandigarh Centre is an ISO 9001:2008 certified institute since Feb,2002 and has been providing Quality Education in various streams of IT.

The Centre is fully accredited to conduct DOEACC 'O' and 'A' Level courses. We also have accreditation for 'B' Level Course (which is equivalent to MCA) to impart education to the students who want to pursue their higher studies. The Centre is the only Institute in the city for providing training in Bio-Informatics & Hardware CHM 'O'-Level and 'A'-Level courses.

NIELIT, Chandigarh's Extension Centre at Shimla is accredited for DOEACC 'O' & 'A' Level courses.

The Centre started CISCO Local Academy in August 2006 for imparting training for specialised CCNA course.

It has introduced various specialized courses in technologies like VB.NET, ASP.NET, C#, PHP, J2EE, Linux, Oracle, SQL Server, Mobile Communication and Network Security, Embedded System, Android, MATLAB, Phonegap etc. keeping in view the current market trends in the field of IT. Intensive Industrial Training is provided to students in Electronics and IT who enroll themselves as Project Trainee, for a duration of six months.

This Centre has been functioning with a missionary zeal and dedication to spread computer culture and always has been a front runner in fulfilling its commitment to the nation.

Dr. A. K. D. Dwivedi
Director

1. NIELIT - CORPORATE PROFILE

1.1 THE BACKGROUND

National Institute of Electronics and Information Technology (NIELIT), is an Autonomous Scientific Society of Department of Electronics and Information Technology, Ministry of Communications & Information Technology, 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 functioning under the overall control and guidance of the Governing Council. Hon'ble Minister, for Communicaions and Information Technology, Govt. of India, is the Chairman of the Council. The members of the Council are from the varied field of academia, Govt. Organizations, industrial sectors and representatives from various professional bodies. The Society has a Management Board headed by Secretary, Department of Electronics and Information Technology, Govt. of India. It has a nationwide presence with Centres across the country. Each Centre, has an Executive Committee with representatives of respective State Goverments and local industries, for effective implementation of the decisions of the Council.

The Centre is engaged both in the formal and non formal education in the area of IECT besides development of industry oriented quality education and training in the state-of-the-art areas.

1.2 NIELIT Centres in the Country

The Society with headquaters at New Delhi has Centres at Aurangabad, Ajmer, Agartala, Aizawl, Calicut, Chennai, Chandigarh, Shimla, Patna, Shillong, Delhi, Gorakhpur, Lucknow, Imphal, Itanagar, Guwahati, Tezpur, Kolkata, Gangtok, Jammu, Srinagar, Kohima, Chuchuyimlang.

1. Aurangabad

➢ Capacity building in Electronics Product Design and Production Technology.

➢ M.Tech. (EDT) in association with Dr. B A M University, Aurangabad

➢ Recognised research Centre of Dr. B A M University Aurangabad for PhD programmes.

2. Ajmer

➢ Established in 2012

➢ Catering to the training requirements of rural youth in Ajmer.

➢ Training under Ministry of Panchayati Raj project and Rural Youth Skill Development Project in the state of Gujrat and Rajasthan.

3. Agartala

➢ Centre features Medical Electonics Lab.

➢ e-learning and contents Development Lab.

➢ e-learning contents of CCC available in Kokborok.

➢ Industrial Training for students from colleges that specialise in Engineering and Polytechnic as subjects.

➢ Govt customised short term training programmes.

4. Aizawl

➢ Cyber Forensic Lab.

➢ Setting up of Medical Electronics Lab for repairing and maintenance of Electro-Medical equipments.

➢ Capacity building certificate programme in e-governance for the youth of North-Eastern states.

➢ BCA and MCA in association with Mizoram University.

2

5. Calicut

- Automation of temples in Malabar region.
- Multimedia contents for Niyamasabha Museum.
- Online course in .NET technology.
- M.Tech in Embedded Systems, M.Tech in Electronics Design Technology and Master of Computer Applications in association with Calicut University.

6. Chennai

- Advanced Training and Development Centre.
- In-House State-of-the-art facilities.
- Thrust areas : VLSI & Embedded systems, Information Security and IT Application.
- PG Diploma Courses, Short Term Courses and other value added courses with special emphasis on immediate employability.

7. Chandigarh

- Conducting Courses in Electronics and Information Technology.
- Providing IT Training in more than 2100 Govt. Schools of H. P.
- Conducting one-year CABA-MDTP Course at nearly 300 Centres of National Council for Promotion of Urdu Language (NCPUL) under Ministry of HRD.
- Capacity Building Programs under NeGP for Punjab, Haryana, Himachal Pradesh and Chandigarh.
- Bimonthly Energy Billing for 1.25 Crore consumers of Panjab, Haryana and Chandigarh.
- Nodal Centre for National Population Register (NPR) Project.
- Managing Shikayat Nivarn Kendra under e-governance for Govenment Departments of Punjab, Haryana, and Chandigarh.

8. Shimla

- Training software development and facility management.
- Office at Jakhu and Kasumpti.
- Extension centres at Nahan Dharmshala, Mandi and Chamba in association with Himachal Pardesh Institute of Public Administartion (HIPPA).

9. Patna

- Training of women and rural candidates under women empowerment schemes and SJSRY scheme.
- Training of retiring JCOs and jawans of India Army/Navy/Air-Force for their re-settlement.
- Examiniation and certifications jointly with Bihar Knowledge Society (BKS).

10. Shillong

- Multimedia E-Learning content in Khasi Language for CCC.
- Online portal for North Eastern Regional Power Committee (NERPC)
- Corporate training for Meghalaya Police.
- Training of CSC/VLE Operators in the state of Meghalaya.

11. Delhi

- Customised training programmes for Goverment officials of TRAI, Govt. of NCT of Delhi etc.
- Software Development for organisations like MAMC, NDMC, CRIS, CPCB.
- Conduct of Midwifery and Nursing examinations on behalf of Hindu Rao Hospital.
- Training in high-end state-of-the-art courses such as Matlab, Andriod, Embedded System, J2EE, .Net and multimedia.

12. Gorakhpur

- National Level Certification Scheme in information Security at three levels.
- M.Tech in Electronics Design and Technology.
- Advanced Virtual Environment based Interactive Information Security Training Kit.

13. Lucknow

- Long-term training in NIELIT courses and short term training in niche-areas such as Java 2 Enterprise edition. Andriod system development, cloud computing and MATLAB
- Facility management and e-Governances support to state deparments.

3

14. Imphal

- Search Module in Manipuri & English language for Photo Electoral Rolls of Manipur.
- 2D Animation film titled Ucheck Langmeidong.
- Setting up of Cyber Forensic Lab and Training to police officers of Manipur.
- BCA, MCA & Diploma courses affiliated to Manipur University.

15. Itanagar

- Free training of students belonging to scheduled tribes, scheduled castes under the SC/ST subplan scheme of Government of India.
- Catering of the training requirements of the rural population.
- Training students since inception in April 2010.

16. Guwahati

- Certification of information Science in colleges (CISC) course developed in association with IIT, Guwahati.
- Certificate course in Bioinformatics (CCBioinfo) in association with Gauhati University, Tezpur University and IIT, Guwahati at Digboi, Guwahati, Karimganj and Tinsukia.

17. Tezpur

- Women Empowerment Scheme (WEP) for NIELIT course in ITeS BPO.
- Short term courses in Office Automation DTP, Hardware and Networking Multimedia.
- More than 4000 youths, mainly from rural background trained in the last 5 years.

18. Kolkata

- Nodal Centre for courses in animation and multimedia.
- Training in electronics equipment repair and maintance for under privileged youths of Jharkhand.
- Agri-census 2010-11 and Input -census 2011-12 projects.
- NPR Project for urban and rural population of Jharkhand.

19. Gangtok

- Corporate Training Program on recent ICT development in day-to-day work for officials of Sikkim Government.
- Refresher Trining Program for CSC Operator.
- Content development activities.
- Training of Women, under Women Digital Literacy Programme (WDLP).

20. Jammu

- Medical Equipment repair services to Goverment Hospital, Institutions and Testing Labs.
- PGDCA courses in association with Jammu Univesity
- Capacity building in e-Governance or IT infrastrusture for Directorate of Goverment Agriculture Jammu and Civil Secretariat Jammu
- CISCO academy status for CCNA and CCNP programs.

21. Srinagar

- Real time monitoring of water quality of Dal Lake using wireless sensor networks.
- IT advisors to the Goverment of Jammu and Kashmir for e-Goverence Projects like SWAN, SDC, CCSTNS, Computer forensics and Cyber Crime etc.
- Remote Centre for IIT, Bombay under CDEEP programme. MCA Programmes with Kashmir University.

22. Kohima

- Well-equiped Cyber Forensics Lab used for solving real-life cases of cyber-crime in Nagaland.
- Smart -pension software for Comptoller Auditror General of India, Khomia.
- Declared as a Centre of Excellence by Goverment of Nagaland.

23. Chuchuyimlang

- Course in PC Assembly and Mainteance Basic Multimedia, Visual Basic and C#
- Workshops and seminars on Usage of IT for school teachers and goverment officals.
- e-learning content for CCC course in Local dialect called 'AO'.

4

2. NIELIT, CHANDIGARH - IN BRIEF

Location

NIELIT, Chandigarh is located at S.C.O 114-116, Sector 17-B, close to Madhya Marg and is housed in a centrally air conditioned five storey building. It is easily approachable from the local bus stand which is situated at a distance of about 1 km. The railway station is situated at about 7 km from the Centre. The Chandigarh airport is at a distance of 12 kms.

Introduction to the Centre

The Centre is fully geared to meet the new challenges in IT. A pool of committed talent is tirelessly working to achieve the specific benchmarks set in the IT field to match speed at "**Business @ thought**". The Centre's strength lies in the dynamic and innovative leadership which is always in search of new ventures and challenges to work on. We have been successful in all major ventures undertaken by us, be it Training , Software Development or Electronic Data Processing, we have left an indelible mark on the minds of our clients.

"Cost effective, time-to market solutions" is our motto that we not only boast about, but actually put it into practice. Every member of our team is committed to work on these principles. We have paved way for many of the success stories that have been coined by our Centre's most prized possessions **- "The Students."**

Thrust Area

NIELIT, Chandigarh strives to impart training on Electronics and IT.

Objectives

➢ Disseminate knowledge on all aspects of IT and allied subjects.

➢ Provide Quality Education and Training to prepare individuals for technology driven business environment effectively.

➢ Provide quality education to participants for upgrading their technical skills to meet the demand of rapid change in technology by skilled and dedicated IT faculty in an environment that is conducive to learning by providing good infrastructure.

INFRASTRUCTURE

The Centre has the following infrastructure to carry out Training activities.

Computing Facilities

The Centre has elaborate computing facilities accessible to the students. There are seven modern, state-of-the-art, computer laboratories comprising of hardware configuration powered by latest Processors which are all connected to a campus LAN. There are several high end Servers for various needs with high quality laser printers, network printers, scanners and multimedia accessories. Various system software are available that run in environments such as Red Hat LINUX, SCO Unix, Windows 2008 Server and Windows 7. The Campus LAN is connected to the Internet through a 8 Mbps RF link.

Specialized Labs

The **CISCO** lab consists of around 16 PCs with a high end server. The Lab has 1800 series routers, 2960 switches and 2 Wireless routers along with necessary cables and tools for carrying out the necessary practicals for CCNA courses.

Dedicated **Hardware** Lab is established in the Centre premises, so as to provide education to the students who want to build their careers in Hardware and Networking field. **Multimedia Lab** is also available with high-end 20 Multimedia Workstations.The Centre also has a well established lab for running **Embedded** system courses for students aspiring to venture into Electronics field. A fully equiped Electronics lab for **Electronic Product Design** is also available for having a hands on experience of designing & developing Electronics products.

Lecture Halls

The Centre has 10 spacious and fully furnished Lecture halls, each with a sitting capacity of 30 to 40 students. The classrooms are equipped with synthetic white boards and state of art teaching aids.Overhead multimedia projectors are also installed in every lecture hall.

Library

The Institute's Library has a collection of more than 5000 volumes of essential books on Computers and IT related subjects, in English and Hindi.Manuals of different Softwares and Operating Systems are also available for the benefits of both the students and the faculty. An ample number of related journals and magazines are subscribed regularly along with a number of national and local newspapers.

The detailed syllabus along with the question papers of the previous examinations of 'O', 'A' & 'B' Level are also available, for the benefit of the students.

Staff / Faculty rooms

There are two faculty rooms that have been interconnected with a set of intercoms. Each staff member has a separate PC allocated to him/her which has Internet connection.

3. EXTENSION CENTRE SHIMLA - IN BRIEF

Location

NIELIT, Chandigarh's Extension Centre Shimla is located right in the heart of the city at lower Jakhoo area and is above the very famous Mall road. The landmark near the Centre is Holy Lodge. Being in the heart of the city, it is easily approachable. We have another sub-centre at Kasumpti.

Introduction

NIELIT, Chandigarh Extension Centre Shimla was inaugurated on April 10, 1995 by the then Chief Minister Sh. Virbhadra Singh with objective to spread IT culture in the state of Himachal Pradesh. The Centre has been functioning as a customer-centered IT organization with a sole objective in mind, to fully focus on customer's needs and expectations and fulfill them always.

NIELIT, Chandigarh Extension Centre Shimla has opened its extension sub centre at Block No 24, SDA Complex, Kasumpti in October, 2011 and has been imparting training to students and corporate batches.

Thrust Area

The Centre's onus in regard to the field of IT has been always in the varied areas comprising of Education & Training, Facility Management, Software Development and Total IT Solutions on turnkey basis.

Infrastructure

The Extension Centre has five fully furnished Classrooms. Two classrooms are equipped with multimedia projectors and 2 dedicated laboratories for the students to carry out their practical assignments. A library comprising of more than 500 books with latest journals and magazines exists for the students to use. Our Kasumpti office has two classrooms and two laboratories. The laboratories are equipped with multimedia computers and all the systems are connected through LAN and UPS and have internet connections

Achievements

➢ Trained over 11280 students since inception through various IT long terms and short term courses.

➢ Trained over 16435 participants from various government department to develop basic and specialized IT skills.

➢ Conducted training programs in joint association with departments of HP Govt. Most prominent names in this category are:

- Himachal Institute of Public Administration (HIPA), H.P.Government for running various student and corporate level training programs. We have set up Centres at Mandi, Dharamshala, Nahan and Chamba in joint association with HIPA.

- Institute of Management Studies for providing IT Education to students pursuing Management Education.

- State Agriculture Management Training Institute (SAMETI) for conducting corporate training programs in joint association.

- National Academy of Audit and Accounts for conducting IT Programs for participants from Audit Services.

Centre enjoys iconic reputation all over the state for IT linked activities. The projects which brought flying colors to our name include:

➢ Provided computer education in all 687 Govt. Schools of Himachal Pradesh for six years in continuation from 2002-2008.

➢ Undertaken Software Development Projects for Banks, Civil Supplies Corporation, Town & Country Planning, HPSEB etc.

➢ Conducting PG Diploma and Diploma level courses throughout the state for the candidates sponsored by Dept.. of SC, OBC and Minority affairs since year 2007.

➢ Facilitating H.P. State Government depts. for running their IT services by providing technical and operational manpower.

4. TRAINING COURSES

NIELIT, Chandigarh is providing the quality education in the IT and ITES industry. Our students have been selected and successfully placed in multinational companies.

Courses in Electronics

Demand for highly skilled, imaginative product design engineers continues to rise and career opportunities are varied, challenging and rewarding. Courses on Electronic Product Design and Embedded Design are beneficial for those candidates who want to focus a career in electronics design or manufacturing or in the engineering industry or production of complex, modern electronic systems. Networking and Hardware is a great career field where one can easily get an entry to any company. Courses include :

➢ Electronic Product Design with live designing of a product
➢ Computer Hardware and Networking - Assembly and Troubleshooting
➢ Embedded System Design with a project

The following topics are covered in Electronics

√ Fundamentals of design and technology of Electronic Products
√ Embedded C Language
√ Designing Microprocessor / Microcontroller based systems - 8051/ARM
√ VHDL
√ Introduction to digital signal processors
√ Designing Power Devices
√ Electromagnetic compatibility, physical design of Electronic Products
√ PCB design and layout
√ Manufacturing technology, reliability, maintainability

Computer Science Courses

MCA, B Tech, Computer Science students can acquire expertise in various fields like designing, development and implementation using Java, .Net, PHP etc. It is one of fields where there are ample job opportunities. During the training we provide complete guidance in developing Live Projects, which are very helpful for the future prospects of the students. Training programs basically insist upon developing the student's ability of working in a team and company environment.

CCNA Courses

CCNA is the industry standard, foundational certification for networking careers. Curriculum prepares students for Cisco CCNA® network associate certification, Exam Students need to complete all four modules of CCNA Exploration to fully prepare for the CCNA exam.

CCNA Professionals can Design, Build, Maintain and Troubleshoot a Network, serve as Network Administrators. CCENT professionals can work as :

➢ Network Installers
➢ Help Desk Technicians
➢ Network Technicians

COURSES OFFERED BY NIELIT

4.1 Long Term Courses

1. DOEACC 'O' Level Course
2. DOEACC 'A' Level Course
3. DOEACC 'B' Level Course
4. DOEACC Bio- Informatics 'A' Level Course
5. DOEACC CHM 'O' Level on Hardware Maintenance
6. DOEACC CHM 'A' Level on Hardware Maintenance
7. Diploma in Computer Applications
8. Advanced Diploma in Computer Applications
9. Post Graduate Diploma in Computer Applications (PGDCA)
10. Post Graduate Diploma in Information Security and System Administration
11. Post Graduate Diploma in Software Technologies (Consists of Diploma in .NET and Diploma in JAVA)
12. Advanced Diploma in Embedded System Design
13. Diploma in Computer Application and Desktop Publishing
14. Diploma in Computer Hardware and Networking
15. Advanced Course in Multimedia and Animation
16. PGDCA from MCRP University, Bhopal at Shimla

4.2 Short Term Courses

1. Office Automaion
2. Desk Top Publishing
3. Financial Accounting Using Tally
4. AutoCAD
5. System Administration Under Linux
6. System Administration Under Unix
7. System Administration Under Windows 200x Series
8. Certificate Course in Cloud Computing and Virtualization
9. Certificate Course in Information Security - A practical approach
10. IT Essentials : PC Hardware and Software (v4) (CompTIA A + Certification)
11. Project Management
12. Data Entry on PC

4.3 Summer Training   (6-8 Weeks)

1. JAVA 2 Enterprise Edition
2. ASP.Net with C#
3. ASP.Net with VB.Net
4. PHP with MY SQL
5. Certificate Course in Mobile Application Development using Android
6. Phone Gap Mobile Application Development
7. Certificate Course in Embedded System Design
8. CCNA Exploration (Module 1 & 2 OR Module 3 & 4)
9. CCNA Discovery (Module 1 & 2 OR Module 3 & 4)
10. Web Designing
11. C/C++
12. AutoCad
13. Multimedia and Animation
14. Oracle DBA
15. SQL Server 2008
16. Certificate Course in MATLAB

4.4 Industrial Training   (6 Months)

1. Electronic Product Design
2. JAVA 2 Enterprise Edition
3. ASP.Net with C#
4. ASP.Net with VB.Net
5. PHP with MY SQL and CMS
6. Advanced Course in Development of Mobile Application using Android
7. Multimedia and Animation
8. CCNA Exploration (All 4 Modules)
9. CCNA Discovery (All 4 Modules)
10. Embedded System Design on ARM Microcontroller

LAUNCHING

Post-Diploma Course in Electronics Product Design & Technology

Electronic Hardware Industry is the latest and fastest growing manufacturing industry in the world. The domestic production of Electronic Industry is about 45% and consumption is expected to grow at CAGR upto 20% from the financial year 2010 to 2020. Huge gap between demand and supply will widen as demand grows and supply continues slackens. The gap between demand and supply can be reduced by increasing entrepreneurs for setting up of small scale industries in this sector.

There is an acute shortage of trained manpower for Electronic Industry. While fresh passouts are found to be too academic, the employed personnel are becoming outdated in the field which is rapidly changing. Unless trained manpower in adequate numbers is available, the industry may not be in a position to keep pace and grow with the technology. Several fields of application may remain dormant or obscure, thereby preventing the benefits of such Technology from reaching the population at large. While the academic institutions at various levels are taking several steps to meet this need, their efforts may not be adequate for the industry-specific needs. In order to reduce gap between technical Institutions and Electronics Industries, technical skills of the students requires upgradation by the way of conducting specialized training programmes. Fresh candidates / passouts need to supplement their knowledge and skills in an industry-oriented manner so as to enhance their employability and their contributions in employment.

To meet the huge gap between demand and supply as per industry requirement, NIELIT Chandigarh will be soon launching Post-Diploma Course in Electronics Product Design & Technology. The course also aims to encourage entrepreneurs in Electronic Hardware Sector by way of developing prototype Electronic Products. The Technology of prototype developed may be transferred to prospective entrepreneurs and industries.

5. GENERAL INFORMATION

5.1 ELIGIBILITY FOR ADMISSION

Admission in the courses is based on merit of the candidate's qualifying Degrees/Diplomas.

5.2 REGISTRATION

The students seeking admission in the Postgraduate Diploma in Computer Applications (PGDCA), Diploma in Computer Applications, Advance Diploma in Computer Applications, Diploma in Computer Applications and Desktop publishing, Diploma in Computer Hardware and Networking will have to deposit one time registration fee of Rs.250/- to NIELIT, Chandigarh.

The students seeking admission in DOEACC O/ A/ B Level Courses will have to deposit one time registration fees of Rs. 500/- to NIELIT, Delhi

5.3 IDENTITY/REGISTRATION CARD

Each student is issued an Identity Card upon his admission. The students are instructed to bring their ID Card daily, failing which they are not allowed to enter the premises. A student who has lost his/her Identity/Registration Card, can obtain a duplicate one from the Centre by paying Rs.100/-.

5.4 QUALIFYING PERCENTAGE

In order to qualify in a promotional examination for each subject in NIELIT Courses (that is DOEACC 'O', 'A', 'B' level) a candidate must obtain at least 50% marks in theory and practical examination.For PGDCA,other Diploma and short term courses, the qualifying percentage is 40%.

5.5 ATTENDANCE

The students should have minimum 80% attendance in order to be eligible for appearing in the final examination.

5.6 STUDENT PROJECTS

For the project work, the students are required to submit the Project Proposal Form which is scrutinised by the Project Appraisal Team. Students are to obtain the signature of the Project Guide in the Project Proposal Form. Proper guidelines as per the Course have to be properly followed regarding the eligibility, scope and duration of the project. The projects are evaluated by the Project Evaluation Team on regular basis.

5.7 WORKING HOURS & HOLIDAYS

The Institution follows five-day week routine from Monday to Friday. In addition, it follows a schedule of holidays as per the rules of the Government of India. The classes start at 7:00 in the morning and go upto 8:30 in the evening.

5.8 LEAVE PROCEDURE

A leave application addressed to the Training Coordinator should be submitted for each day of leave to the concerned Subject-In-Charge. Leave up to 3 days,will be granted by concerned subject-In-Charge.

For leave lasting more than 3 days, prior permission has to be taken in writing.The leave application should be submitted on joining, with medical certificate in case of medical leaves or other supporting documents. Absence for 5 consecutive days, without proper justification will be treated as discontinuation and would lead to strict action against the concerned student .

5.9 EXAMINATION & PROMOTION RULES

The Attendance and the performance in Term Exams of a student will be considered for the eligibility to appear in DOEACC examination. No Dues Certificate is to be submitted by the student for getting the final certificates.

The Examination Fee of Rs. 500/- for each theory and Rs. 300/- for each practical of O, A and B level is charged. However, the examination fees of Rs.200/- for each theory and practical examination (undertaken by the candidate for each semester) and Re-checking Fees of Rs. 100/- would be charged for the following Courses:

➢ Post Graduate Diploma in Computer Applications (PGDCA)
➢ Diploma in Computer Applications.
➢ Advanced Diploma in computer Applications.
➢ Diploma In Computer Applications and Desktop Publishing.
➢ Diploma in Computer Hardware and Networking.

A Student who has lost his/her Certificate or Registration Card can obtain a duplicate one from the Centre by paying Rs.100/- for above mentioned courses.

5.10 LIBRARY RULES

➢ To borrow a book or visit the Library the student must become the Library member.
➢ Students are allowed to borrow books as per availability and regulation.
➢ Students can avail Library facility during the working hours only.
➢ Reference books are accessible only in the Library and will not be issued.
➢ Delay in returning books will be fined at the rate of Rs.1 per day.

➢ Student shall be responsible for the loss of books, in kind or cash.
➢ Students are expected to maintain complete silence inside the Library.
➢ Handbags, rucksack, backpack, knapsack, are restricted inside the Library.
➢ Students have to pay library security deposit of Rs.500 to become the member of the library (which is refundable after the completion of the respective course).

5.11 LABORATORY RULES

➢ No student is allowed inside the laboratory except during their Computer lab timing. 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.

5.12 DISCIPLINE

➢ Smoking, consumption of intoxicants, is strictly prohibited inside and around the campus.
➢ Students are expected to maintain proper discipline and decorum. They must maintain a good conduct in the class.
➢ Mobile Phones, Pagers, Mp3 players, iPODs etc., should be switched off inside the class, laboratory and library.
➢ Strict disciplinary action will be taken against those students who do not follow the rules and regulations of the Centre.

Please Note : *The Centre shall not be responsible for any errors or omissions of the contents in the Prospectus. Further the prospectus may be changed from time to time as per requirements*

13

6. ACHIEVEMENTS

6.1 Training   Achievements:

Training Programmes on different subjects aproved from time to time were organised by the Centre at Chandigarh and its Extension Centre at Shimla. 1249 candidates in long term courses, 2957 candidates in short term and 894 under corporate programme were trained during the financial year 2012-2013 at Chandigarh.

6.2 Recent Corporate Training Programmes

1. CSIO
2   Zila Sainik Welfare Office
3. Municipal Corporations
4. Superintendent of Police Telecommunication, Haryana
5. D. C. Kaithal
6. State Aids Control Society
7. State Bank of India
8. ICWA
9. Labour Bureau
10. Directorate General of Resettlement, New Delhi
11. Sameti, H. P.
12. Tourism Deptt. of H.P.
13. Central Potato Research Institute, H. P.
14. H. P. State Electricity Board
15. Information & Public Relation, H. P.
16. National Academy of Audit and Accounts

6.3 Software Development and Total IT Solution

Software Development

1. Development of Web portal for State Pollution Control Board of Haryana.
2. IVRS for Public Health Department, Haryana, Rural Water Supply Department, Punjab, Aids Control Society, Chandigarh, NHRM, Punjab.
3. On line Energy Billing Software for Punjab State Electricity Board.
4 . Successful Implementation of Online Cash Collection System for PSEB, HSEB and UT Electricity Department.
5. Developed websites for State Disaster Management Authority and employees Provident fund Organization at Shimla.
6. IVRS for Irrigation & Public Health, Shimla.

Total IT Solution

1   Total IT solutions have been provided to three hospitals of New Delhi :-
   √ Maulana Azad Medical College.
   √ Ram Manohar Lohia Hospital.

2. Successfully Designed & Implemented IT based counselling for admission to

   class XI for Govt. Schools Chandigarh U.T.

14

6.4   Recent Achievements

1. The following is the list of schemes under the Government of India's sponsored schemes

   ➢ Tied up with Municipal Corporation Shimla for providing IT education to selected BPL candidates and SJSRY scheme of Goverment of India.

   ➢ Shimla Centre is imparting training to 3400 representatives of Panchayati Raj Institutions in Punjab, H.P. and Chandigarh.

   ➢ Chandigarh Centre is imparting training to representatives of Panchayati Raj Institutions in Punjab, H.P. and Chandigarh.

   ➢ Providing training to Graduates/undergraduate Women & SC/ST Candidates under monitoring and impact assessment for IT for Masses Scheme.

   ➢ Training weaker Sections of the Society since March 2008 as per the notification of the SC/ST Commission so as to provide an opportunity for the potential candidates to build their future in the IT field.

   ➢ The training of SC/ST Candidates registered by employement exchange by running Special O-Level batches has been taken up by the Centre at six locations in northern region since July 2009 under SC/ST Job Seekers training.

   ➢ The Training was also provided to Minority Candidates.

   ➢ Training to Below Poverty Line Students through Municipal Corporation, Chandigarh.

2. Signed MOU with National Council for Promotion of Urdu Language (NCPUL) for conducting DOEACC 'O' Level and CCC Courses in Centres of NCPUL all over India.

3. Imparting training to the dependents of Army personnels under Army Welfare Scheme.

4. Imparting Training to ICWA Students.

5. NIELIT will be providing IT Training to students of Govt. Schools in the State of H.P.

6.5   Success Stories

Since inception, the Centre has been providing quality education in Electronics and IT. It has been the industry's driving force to provide skilled manpower to various organizations. The Centre has been running various training courses at different proficiency levels for all types of participants. Centre has designed and provided various training courses for the corporate sector. Some of the organizations whose employees have benefited from our courses are:-

➢ Trained about 1569 Panchayati Raj Institution functionaries in Basic Course on 'Computer Concepts'.

➢ Successfully conducted one year CABA-MDTP Course for Urdu Centres of NCPUL (National Council to Promotion Urdu Language).

➢ Implementing the demographic data digitisation in northern states of India under the National Population Register Project.

7. PLACEMENT

Job Opportunities

A brilliant career awaits the students who have qualified various courses provided by this Centre. We have been running various training courses at different proficiency levels for all types of participants.

The Centre imparts various long term courses like DOEACC 'O', 'A', 'B' Level that makes a candidate eligible for jobs in various Govt/Pvt.Organisations at the level of Asst. Programmers, Programmers, Software Engineers respectively.

Further the candidates who have completed their basic qualification like graduation can hone their IT skills by undertaking various specialised courses like .NET Technologies, JAVA, PHP, Information Security, MATLAB, Cloud Computing, Embedded System, Mobile Applications development using ANDROID and Phone gap, Multimedia etc. offered by this Centre.

Electronic Product Desgin , Development of Mobile Applications on Android Platform, Oracle DBA, Web Development with PHP Content Management System are some of the new avenues that would offer new job opportunities to the aspiring students.

The students aspiring to become Network Administrators can undergo a course of Cisco Certified Network Associate (CCNA) Certification run by the Centre (as Cisco's Local Academy).

Placement

Many of our students have brought laurels to the Centre, for they have been placed in every known sphere of the IT field. Our students have been moving in the following areas:

- Project Leaders in various Software Development Projects.
- Technical Writing.
- Database administration.
- Network administration.
- Software Testing.
- Desktop Publishing and Designing.
- Web Designing.
- Systems Analyst, Programmer, EDP Manager and Web Optimization etc.

As a result of their sincere and hard working efforts they have been placed in known MNCs with handsome salary packages. The partial list of the reputed companies where the students have been placed are as under :-

- Quark
- Accenture
- Infosys
- Tata Consultancy Services(TCS)
- DELL Systems
- Mahindra British Telecom
- WNS Gurgaon
- Cbiz .com
- Royal Bank of Scotland
- Satyam
- Daksh Infotech
- Inde Dutch Systems(IDS)
- PugMarks, UPSRTC
- Sonata Software
- Cellnext Solutions
- EDS, UP Electricity distribution Corp.
- Ganesh Insurance BPO.

Placement Cell

We have now set up a placement cell which will help the students to get placed in the Industry. Placement derives and intimation about various jobs available will be undertaken by our Centre

8. COURSE DETAILS

NIELIT, Chandigarh is offering following courses :

8.1 Long Term Courses:

1.   DOEACC 'O' Level Course

'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 DOEACC 'A' level course.

Various subjects for the programme are-

Module Code	Topic
M1-R4	IT Tools and Business System
M2-R4	Internet Technology and Web Design
M3-R4	Programming and Problem Solving through 'C'
M4-R4	Elective (one module out of the following three modules to be chosen)
M4. 1-R4	Application of .Net Technology
M4. 2-R4	Introduction to Multimedia
M4. 3-R4	Introduction to ICT Resources
PR	Practical (Based on M1, M2, M3, M4 module syllabus)
PJ	Project

Eligibility
10+2 or ITI Certificate course (one year).

Practical
The students are required to devote half of the working hours allotted to each module for practical sessions. Practical assignments are worked out for each theory module. The practical examination is based on the syllabi of M1-R4, M2-R4, M3-R4 and M4-R4 modules.

Project
The project provides students an additional hands-on experience in solving a real life problem by applying knowledge and skills gained on completion of theory papers in a course at a given level. For the 'O' Level Computer Course, marks are not specifically assigned for the project assignment. However, it is compulsory to submit a project report to complete the course.

Validity of Registration

For completing the 'O' Level course, candidates are allowed to appear for a maximum number of ten consecutive examinations, starting from the examination the candidate is eligible to take, as indicated in the letter of allotment of registration number to the candidate.

Re-registration

The validity period of existing registration will be extended to a full term applicable to the respective levels i.e. ten consecutive examinations for O level. For availing this facility the candidate will have to apply for re-registration within 1 year of expiry of the validity period of existing registration. With re-registration the candidate will be granted the benefit of already cleared papers and will be required to clear only the left over papers.

Career opportunities

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

– Junior Programmer

– EDP Assistant

– Web Designer

– Lab Demonstrator

2.   DOEACC 'A' Level   Course

'A' level course of DOEACC Scheme is equivalent to **Advanced Diploma in Computer Applications.** Students can acquire this qualification by undergoing this course and passing the examination conducted by NIELIT, New Delhi.

After completion of 'A' level course students can further enroll in 'B' level course of DOEACC Scheme.

'A' Level Course consists of ten theory modules (nine compulsory modules and one elective module), two practicals and one project. The structure of the 'A' Level Syllabus is indicated as follows :

Paper Code	Topic
A1-R4	IT Tools and Business System
A2-R4	Internet Technology and Web Design
A3-R4	Programming and Problem Solving through 'C' Language
A4-R4	Computer System Architecture
A5-R4	Structured System Analysis and Design
A6-R4	Data Structure through 'C++'
A7-R4	Introduction to Data Base Management System
A8-R4	Basic of OS, UNIX and Shell Programming
A9-R4	Data Communication and Network Technologies
A10-R4	Elective (one out of the following two subjects to be chosen)
A10.1-R4	Introduction to Object Oriented Programming through JAVA
A10.2-R4	Software Testing and Quality Management
PR-1	Practical-I (based on A1, A2, A3, A4 module syllabus)
PR-2	Practical-II (based on A5, A6, A7, A8, A9, A10 module syllabus)
PJ	Project

Eligibility

'O' Level or Government recognized polytechnic engineering diploma after class 10, followed in each case, by an accredited 'A' level course (no concurrency) or a Government recognized polytechnic engineering diploma after 10+2 / Graduate and an accredited 'A' level course in each case.

Validity of submission of 'A' Level Project

'A' Level student can submit their project only after clearing their five papers and appearing for the remaining papers in the next examination. Each 'A' Level project would be of approximately 350 man-hours carrying a total of 100 marks (80% for the project evaluation and 20% for the viva-voce).

Validity of Registration

Candidates are allowed to appear in maximum of *ten consecutive* examinations, reckoned from the examination which a candidate is eligible to take as indicated in the letter of allotment of registration number to the candidate, for completing successfully the 'A' Level examination.

Re-registration

The validity period of existing registration will be extended for a full term applicable to the respective levels i.e. ten consecutive examinations for O and A level. For availing this facility the candidate will have to apply re-registration within 1 year of expiry of the validity period of existing registration. With re-registration the candidate will be granted the benefit of already cleared common papers and will be required to clear only the left over papers to complete the particular qualification

Career opportunities

The career options available to a DOEACC 'A' Level qualifiers are:

− Programmer.
− Web Administrator.
− Training Faculty.
− Web Content Developer.
− Trouble Shooter

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3. DOEACC B-Level Course

'B' Level Course of DOEACC Scheme has been recognized by Ministry of Human Resource Development, Govt of India, as professionally equivalent to MCA Degree Course. Students can acquire this qualification by undergoing this course and passing the examination conducted by NIELIT. Working professionals can also appear in this examination directly, provided they possess the requisite education qualification as indicated below.

Eligibility

1. For students appearing through an institute Level 'A' / Government recognized PPDCA / Government recognized PGDCA / Government recognized polytechnic engineering Diploma / Graduate, followed in each case by an accredited 'B' level course (First two semesters are exempted for those who have passed 'A' level in full. Candidates having Government recognized PPDCA / Government recognized PGDCA will also be eligible for exemption of some subjects depending on the courses they had undergone, on a case by case basis).

2. For students-at-large (Direct Applicants) Level 'A' / Government recognized PPDCA / Government recognized PGDCA, followed in each case by two years relevant experience.

*(First two semesters are exempted for those who have passed 'A' level in full. Candidates having Government recognized PPDCA / Government recognized PGDCA will also be eligible for exemption of some subjects depending on the courses they had undergone, on a case by case basis). Graduates / Government recognized Polytechnic Engineering Diploma, followed in each case by three years relevant experience.

*Relevant experience denotes job experience in IT field including teaching in a recognised Institution as faculty member, excludes coaching.

Syllabus

The papers for 'B' level are indicated below :

Course Code	Subject
Bridge Course	
B 0-R4	Basic Mathematics
	(Required for students who have not studied Mathematics up to class 12)
SEMESTER-I	
B 1.1-R4	IT Tools and Business Systems
B 1.2-R4	Internet Technology and Web Design
B 1.3-R4	Programming and Problem Solving through 'C' Language
B 1.4-R4	Computer System Architecture
B 1.5-R4	Structured System Analysis & Design
SEMESTER-II	
B 2.1-R4	Data Structure through 'C++'
B 2.2-R4	Introduction to Database Management Systems
B 2.3-R4	Basics of OS, Unix and Shell Programming
B 2.4-R4	Data Communication and Network Technologies
B 2.5-R4	**Elective (Any one from the following to be chosen)**
B 2.5.1-R4	Introduction to Object Oriented Programming through Java
B 2.5.2-R4	Software Testing and Quality Management
PJ-1-R4	Project I
SEMESTER-III	
B 3.1-R4	Management Fundamentals and Information Systems
B 3.2-R4	Discrete Structures
B 3.3-R4	Software Engineering & CASE Tools
B 3.4-R4	Operating Systems
B 3.5-R4	Visual Programming
SEMESTER-IV	
B 4.1-R4	Computer Based Statistical & Numerical Methods
B 4.2-R4	Professional & Business Communication
B 4.3-R4	Object Oriented Database Management Systems
B 4.4-R4	Computer Graphics & Multimedia
B 4.5-R4	Internet Technology and Web Services

SEMESTER-V	
Course Code	**Subject**
B 5.1-R4	Software Project Management
B 5.2-R4	Automata Theory & Compiler Design
B 5.3-R4	Network Management and Information Security
B 5.4-R4	Elective –II (Two out of the following)
List of Elective Subjects	
BE1-R4	Embedded Systems
BE2-R4	Artificial Intelligence & Neural Network
BE3-R4	E-Business
BE4-R4	System Modeling & Computer Simulation
BE5-R4	Parallel Computing
BE6-R4	Data Warehouse and Data Mining
BE7-R4	Software Testing and Quality Management
BE8-R4	Digital Image Processing
BE9-R4	Accounting & Financial Management System
BE10-R4	Applied Operations Research
BE11-R4	Wireless & Mobile Communication
BE12-R4	Information Storage & Management
PJ-2-R4	Mini Project / Seminar
SEMESTER-VI	
PJ-3-R4	PROJECT - III

Project

There are three projects at 'B' Level

1. 'B' Level First project (PJ-1-R4)

Every candidate should do a project individually and no grouping is allowed. The project will be carried out under the guidance of the institute conducting an accredited course. The direct candidate will do the project in an organization where he/she is working. In that case, he/she will carry out the project under the guidance of experts/professionals from his organization. 'B' Level Project student can submit the project only after clearing 5 papers from the first two semesters and appearing in remaining papers of these two semesters in the next examinations.

The first Project would be approximately 350 man-hours and carries a total of 100 marks (80% for the project evaluation and 20% for the viva-voce).

2. Mini Project

DOEACC curriculum has a mini project as an important component of 'B' Level which is Seminar on any latest technology.

Time of Submission

The Project is carried out by the student under the guidance and support of faculty and management of the respective institute/ organization.

This mini project/seminar would be approximately 350 man hours and carries a total of 100 marks.

3. 'B' Level Final Project

All 'B' level candidates are required to get the synopsis of the project and the brief bio-data of the supervisor / Guide approved from the Society.

Career opportunities

The career options available to a DOEACC 'B' Level qualifiers are:

– Systems Analyst
– Software Engineer
– Training Faculty
– R & D Scientist
– EDP Manager

21

Government Recognition

The Ministry of Human Resource Development, Govt. of India vide their notification No. : F2/ 6/ 97-TS.IIIa (.) 54 dated 26th September 2000 has recognized the 'B' level computer examination being conducted by NIELIT for the purpose of employment under the Central Government employment schemes where MCA is the desired qualification. Punjab University has made it equivalent to its MCA for further studies in the university. Some Banks have also recognised this qualification.

Registration Cut-offs : Registration is open throughout the year, however cut-off dates are there to process registration for any particular examination. The cut-off date for January Examination is preceding 30th June for 'O' Level and preceding 31st July for 'A' & 'B' Levels. For July Examination the cut-off dates are preceding 31st December for 'O' Level and preceding 31st January for 'A' & 'B' Levels.

Examination Cut-offs : Last date for filling up the Examination Forms for 'O', 'A' & 'B' Level January Examination is preceding 31st, October and if delayed it can be submitted with late fee till preceding 10th November. For July Examination, it is preceding 30th April and if delayed it can be submitted with late fee till preceding 10th May.

4. DOEACC Bioinformatics 'A' Level Course

Bio-Informatics is the convergence of Information Technology and Life Sciences. Bio-Informatics is a fast growing discipline and has emerged as a cutting edge technology of the knowledge revolution.

India's achievement and strategic advantages in Information Technology and Bio-technology have positioned the country to play a crucial role in the post genomic era. This would be ranging from analysis of genes and structure, defining metabolic pathways to identification and validation of drug target and classification of the natural resources based on genetic profiles. The applications of bio-informatics are in agriculture, medicine, environment protection and bio-diversity conservation that offer opportunities for overall sustainable development, most desirable for the 21st century. The structure of the Bioinformatics 'A' Level Syllabus is indicated as follows :-

Semester - I

Course Code	Subject
BI-A1-RO	Foundation Course in Modern Biology
BI-A2-RO	Basic Bioinformatics
BI-A3-RO	IT Tools and Applications
BI-A4-RO	Programming and Problem Solving through 'C'
BI-A5-RO	Basic Mathematics, Probability and Statistics

Semester - II

Course Code	Subject
BI-A6-RO	Introduction to Database and Web Enabling Technologies
BI-A7-RO	Programming in PERL and Applications to Bioinformatics
BI-A8-RO	Introduction to Object Oriental Programming through JAVA
BI-A9-RO	Element of Protein Sequence, Structure and Modelling
BI-A10-RO	Basic of Genomics and Proteomics
PR-1	Practical I
PR-2	Practical II
BI-PJ	Project (on Bioinformatics)

Eligibility

Any person with good IQ and logical ability is considered suitable for these courses. No minimum qualification is therefore, prescribed for this course. Masters, Graduates, Higher Secondary, and even Matriculates are accepted. As graduation is generally the minimum qualification prescribed for the posts of computer professionals in private sector, it is recommended that the participants planning to join this profession should have a good bachelor's degree in any subject. Knowledge of mathematics is helpful in learning some language Courses and in Computer Aided Design courses. As the graduates with Mathematics, Statistics, Science, Operation Research, Commerce and Economics are generally found to be more logical in their approach, they are preferred as computer professionals in some of the organizations. In public sector organizations, graduates are accepted at lower levels and masters' degree or an engineering degree is insisted for higher posts in the profession.

The Project

The aim of the project is to give the students an integrated experience in solving a real life problem by applying knowledge and skills gained on completion of theory papers in a course at a given Level. It provides an occasion for students to realize the importance of resource and time management, ownership of task, innovation and efficiency in task management. It also provides a good opportunity for students to build, enhance and sustain high levels of professional conduct and performance and evolves a problem solver frame of mind in the students. It is also felt that taking up the project by a student prepares him for a job in industry and elsewhere.

Prospective Employers for BioInformatics Course

* Drugs and Pharmaceuticals Industries
* Bio-fertilizer and Industries
* Environmental Engineering Industries
* Research and Educational Organizations

5. DOEACC CHM 'O' Level Course on Hardware Maintenance

The course is designed to bring out standardization in the field of Hardware maintenance. The curriculum is designed for participants who want to take up the job of Installation, Maintenance, Troubleshooting and Networking of the Computer Systems and peripherals. Further, after completion of CHM 'O' Level, students can continue DOEACC CHM 'A' level course to gather advanced skills in this field.

Various subjects for the programme are:-

➢ Electronic Components & PC Hardware
➢ PC Architecture
➢ Computer Peripherals & Networking
➢ System Software, Diagnostic & Debugging Tools
➢ Personality Development and Communication Skills

Eligibility

10+2(Science)/ITI (1Year after 10) in Electrical/ Electronics/ Computers/ Instrumentation Engineering

Non Science students can also join CHM 'O' Level course. The certificate will be issued after clearing bridge course (comprising of topics from Physics and Mathematics) which would be conducted in parallel with CHM 'O' Level course and fee would be Rs. 5000/-.

23

6. DOEACC CHM 'A' Level Course on Hardware Maintenance

The objective of CHM 'A' Level Course is to train Diploma or Graduates in Electronics/ Computers/Electrical/Instrumentations to acquire advanced skills in Computer Hardware & Networking for Network Management, Administration, Installation & Troubleshooting of Servers & System Softwares, besides development of Entrepreneurship skills. The structure of the Advanced Diploma in Computer Hardware Maintenance and Networking 'A' Level Syllabus is indicated as follows-

- ➢ Electronic Components and PC Hardware
- ➢ PC Architecture
- ➢ Computer Peripherals & Networking
- ➢ System Software, Diagnostic & Debugging Tools
- ➢ Personality Development and Communication Skills
- ➢ Advanced PC Hardware and Networking Components
- ➢ Data Communication and Computer Networks
- ➢ Network Management and Administration
- ➢ Linux Administration
- ➢ Entrepreneurship Development
- ➢ Networking with Advanced Components

Eligibility

CHM-O Level Pass/ Diploma in Electronics/ Computers/ Electrical/ Instrumentation after 10 pass OR undergoing 2nd year B. Sc. with Physics/ Electronics/ Computers OR undergoing 2nd year B.E. (Electrical/ Electronics/ Computer/ IT) OR accredited 'A' Level Course (may be concurrent)

7. Diploma in Computer Applications (Semester I)

This course is designed to primarily focus on the stream of students who wish to have Diploma in IT and good knowledge of Computer fundamentals and programming.

The first semester is Diploma in Computer Applications which is of six months duration.

Eligibilty : 10 + 2 is required .No prior knowledge of Programming language is required.

Details of the Papers, Modules to be taught and Distribution of Marks in the module:

Sno	Paper Code	Modules		Marks Distribution	Max. Marks	Pass Marks
1.	PGDCA 11	a) Computer Fundamentals and Windows b) Office Automation (MS Word, Excel, Power Point) c) Internet and E-mail d) Algorithm Design		25 100 25 50	200	80
2.	PGDCA 12	Financial Accounting using Tally			200	80
3.	PGDCA 13	a) C/C++ b) Data Communication (Basics)		150 50	200	80
	Practical-1	Practical – 150	Viva – 25	Prac. File– 25	200	80
	Internal Assessment	Attendance – 30	Quiz– 30		100	40
		Class Participation – 20	Discipline–20			

8. Advanced Diploma in Computer Applications (Semester II)

The second semester is Advanced Diploma in Computer Applications which is again of six months duration.

Eligibilty :.Graduation is required as well as the student must have attended DCA.

Provisional Admission : Candidates who are pursuing final year of graduation are eligible provisionally for this course. The student has to submit an undertaking for the same.

Details of the Papers, Modules to be taught and Distribution of Marks in the module:

Sno	Paper Code	Modules			Marks Distribution	Max. Marks	Pass Marks
1.	PGDCA 21	Web Designing (HTML, DHTML, Java Script, Flash, Photoshop)				200	80
2.	PGDCA 22	a) VB.Net with SQL Server b) System Analysis and Design			150 50	200	80
3.	PGDCA 23	Linux, PHP, MYSQL				200	80
	Practical-1	Practical – 150	Prac. File – 25		Viva – 25	200	80
	Internal Assessment	Attendance – 30		Quiz – 30		100	40
		Class Participation – 20		Discipline – 20			
6.	Project Work					200	80

9. Post Graduate Diploma In Computer Applications (Semester I and II)

This course is designed to primarily focus on the stream of students who wish to have ample amount of knowledge in the IT field. They can get good jobs in the Industry considering the varied knowledge base that they would develop through this course.

This course is a full one year Course and is a combination of DCA and ADCA mentioned above. The course would comprise of 2 Semesters in total and would have the course contents of both the semsters of DCA (Semester-1) and ADCA (Semester-2)

Eligibilty: Graduation is required.No prior knowledge of Programming language is required.

Provisional Admission : Candidates who are pursuing final year of graduation are eligible provisionally for this course. The student has to submit an undertaking for the same.

10. Post Graduate Diploma in Information Security and System Administration

The Course is a six months program aimed at moulding candidates to Skilled System Administrator to maintain the Systems & Networks in today's scenario. This skill-oriented course provides candidates with information required for maintenance and administration of Computer Network and also equips them with the skills required to protect & recover the computer systems & networks from various security threats.

Eligibility: Graduates with IT, Computer Science or Electronics as optional subjects, Graduate in Engineering, M.C.A, DOEACC 'A' , 'B' Level and PGDCA can opt for this course.

Provisional Admission : Candidates who are pursuing final year of graduation are eligible provisionally for this course. The student has to submit an undertaking for the same.

Details of the Papers, Modules to be taught and Distribution of Marks in the module:

Sno	Paper Code	Modules*	Marks Distribution		Max. Marks	Pass Marks
1.	**PGDIS-1**	Certificate Course in System and Network administration			150	60
2.	**PGDIS-2**	Advance Certificate Course in Networking			150	60
3.	**PGDIS-3**	Advance Certificate Course in Information System Security			150	60
4.	**Project Work**				400	160
5.	**Internal Assessment**	Attendance – 45	Quiz – 45		150	60
		Class Participation – 30	Discipline – 30			

*These three modules can be done separately also

11. Post Graduate Diploma in Software Technologies

This hands on training course has been specifically designed to address the requirements of developers who want to become experts in .NET environment. Students will learn to develop applications using C# or VB.NET. They will also learn to apply these languages to develop server-side applications which make use of ADO.NET, ASP.NET , Web Services etc. The course contains a substantial amount of Hands-On work. The project work at the end of the course enables students to get an exposure to the latest industrial standards. This is a hand on course, which provides participants with the information and lab experience necessary to develop and deploy robust J2EE™ (Java 2 Enterprise Edition) framework applications. This course starts with core java and covers advanced Java and J2EE

Eligibility : Engineering/ DOEACC 'A' or 'B' Level / Msc(IT)/ MCA, BCA / Diploma in Computer Sc, Electronics, or others with relevant experience can opt for this course.

Provisional Admission : Candidates who are pursuing final year of graduation are eligible provisionally for this course. The student has to submit an undertaking for the same.

Details of the Papers, Modules to be taught and Distribution of Marks in the module:

Sno	Paper Code	Modules *	Marks Distribution		Max. Marks	Pass Marks
1.	**PGDST-1**	Diploma in .Net Technologies			300	120
2.	**PGDST-2**	Diploma in J2EE			300	120
3.	**Project Work**				300	120
4.	**Internal Assessment**	Attendance – 30	Quiz – 30		100	40
		Class Participation – 20	Discipline – 20			

*These two modules can be done separately also

12. Advanced Diploma in Embedded System Design

The Advanced Diploma in Embedded System Design is aimed at training engineers from the field of Electronics/Electrical/Computer science / Instrumentation. Embedded System Design will focus on Software Programming, Micro-controller Programming and Embedded Programming in Real Time System.

Eligibility : Engineering/ DOEACC 'A' or 'B' Level / Msc(IT)/ MCA/ BCA / Diploma in Computer Science, Electronics, or others with relevant experience can opt for this course.

Details of the Papers, Modules to be taught and Distribution of Marks in the module:

Sno	Paper Code	Modules*		Marks Destribution		Max. Marks	Pass Marks
1.	PGDES-1	Certificate Course in Embedded System Design				150	60
2.	PGDES-2	Diploma in Embedded System Design				150	60
3.	**Project Work**					300	120
4.	**Internal Assessment**	Attendance – 30		Quiz – 30		100	40
		Class Participation – 20		Discipline – 20			

*These two modules can be done separately also

13. Diploma in Computer Applications and Desktop Publishing (Semester I and II)

The course has been designed for the participants who want to build their careers in Desktop Publishing. After doing this course the student will be able to effectively and efficiently produce formatted text and graphics.

Eligibilty : Graduation is required .No prior knowledge of Programming language is required.

Details of the Papers, Modules to be taught and Distribution of Marks in the module:

Semester I

Sno	Paper Code	Modules		Marks Distribution		Max. Marks	Pass Marks
1.	DCADTP-11	Computer Fundamentals and Office Automation				150	60
2.	DCADTP-12	Introduction to DBMS using MS-Access				150	60
3.	DCADTP-13	Programming Through Visual Basic				150	60
4.	**Practical-1**	Practical – 100	Viva – 25	Prac. File– 25		150	60
5.	**Internal Assessment**	Attendance – 30		Quiz – 30		100	40
		Class Participation – 20		Discipline –20			

Semester II

Sno	Paper Code	Modules		Marks Distribution		Max. Marks	Pass Marks
1.	DCADTP-21	Financial Accounting using Tally				150	60
2.	DCADTP-22	Desk Top Publishing and Web Designing Part I and II				150	60
3.	DCADTP-23	Entrepreneur Development Programme				150	60
4.	**Practical-1I**	Practical – 100	Viva – 25	Prac. File– 25		150	60
5.	**Internal Assessment**	Attendance – 30		Quiz – 30		100	40
		Class Participation – 20		Discipline –20			
6.	**Entrepreneur Development Programme (Assessment)**					100	40

14. Diploma in Computer Hardware and Networking (Semester I and II)

This course would help the students to prepare for entry level Hardware job opportunities in the IT industry. The student's skill set in troubleshooting Hardware related problems, designing networks and trouble shooting the same will be enhanced to a considerable level to match the requirements of the Industry.

Eligibilty : 10+2 in any stream. No prior knowledge of a Programming language is required.

Provisional Admission : Candidates who are pursuing 10+2 are eligible provisionally for this course. The student has to submit an undertaking for the same.

Details of the Papers, Modules to be taught and Distribution of Marks in the module:

Semester I

Sno	Paper Code	Modules			Marks Distribution	Max. Marks	Pass Marks
1.	**DCHN-11**	Electronic Components and PC Hardware				150	60
2.	**DCHN-12**	PC Architecture				150	60
3.	**Practical-1**	Practical – 150	Viva – 25	Prac. File – 25		200	80
4.	**Internal Assessment**	Attendance – 30		Quiz – 30		100	40
		Class Participation – 20		Discipline – 20			

Semester II

Sno	Paper Code	Modules			Marks Distribution	Max. Marks	Pass Marks
1.	**DCHN-21**	Networking Basics				150	60
2.	**DCHN-22**	Operating Systems				150	60
3.	**Practical-1I**	Practical – 150	Viva – 25	Prac. File – 25		200	80
4.	**Internal Assessment**	Attendance – 30		Quiz – 30		100	40
		Class Participation – 20		Discipline – 20			

15. Advanced Course in Multimedia and Animation

The course has been designed keeping in view the student lot who want to build a career in Multimedia and Animation to cater to the needs of growing Animation and Multimedia industry of trained professionals for various areas such as Animated films & cartoon movies, Television/ film special effects, Advertising, Architectural Modeling & Walkthroughs, Multimedia presentations and Web designing.

Modules :
- 2D Animation - Duration 8 Weeks
- Graphic Designing - Duration 8 Weeks
- After Effects and Editing - Duration 8 Weeks

Eligibility : Senior secondary /Graduates of any stream can opt for this course. They must have the basic knowledge about computers.

16. Makhanlal Chaturvedi University (MCRP), Bhopal PGDCA Course

The following course is run by our Extension Centre at Shimla :

- Extension Centre at Shimla is providing a Post Graduate Diploma in Computer Applications (One Year) affiliated by MCRP University Bhopal.

    For more details, the candidate may visit *www.mcu.ac.in*

8.2 Short Term Courses

1. Office Automation

Course Contents	Fundamentals, Windows, Word, Excel, Power Point, Internet Concepts.
Eligibility	The student must be Matriculate

2. Desk Top Publishing

Course Contents	Introduction to Windows, Paint Brush, Corel Draw, Page Maker.
Eligibility	The student must know Basic Computer Concepts.

3. Financial Accounting using Tally

Course Contents	Accounting Basics, Voucher Types, Final Accounts, Backup & Security
Eligibility	The student must know Basic Computer Concepts.

4. AutoCAD

Course Contents	2D and 3D Drawing & Editing, Layers, Blocks, XREF, Rendering
Eligibility	Student must hold a Diploma/Degree in Engg./Arch or be a Graduate

5. System Administration under Linux

Course Contents	Linux Commands, Shell & AWK Programming, User administration, File system administration, Disk Quota administration, Network administration, different servers like mail server, file server.
Eligibility	Student must have knowledge of any Operating System

6. System Administration under Unix

Course Contents	Unix Commands, Shell & AWK Programming, User and File System administration, Network administration, mail server, file server.
Eligibility	Student must have knowledge of any Operating System

7. System Administration Windows 200x Server

Course Contents	Installation and user Administration, MMC, IIS, Active Directory Services.
Eligibility	Student must have knowledge of any Operating System

8. Cloud Computing and Virtualization

Course Content	Introduction- concepts of Cloud Computing, Virtualization and Hypervisor. IAAS- Setting up Active Directory and DNS services. VMware Workstation, vSphere. Server Virtualization, vMotion, clustering, High Availability and Distributed Resource scheduling. SAAS-Virtualization using CITRIX XenApp, configuring Google Apps. PAAS- Using Google App Engine.
Eligibility	Undergoing engineering and engineering graduates.

9. Information Security a Practical Approach

Course Contents	Information Security concepts, Physical and Logical Security, Securing OS and Devices, Safeguarding E-mails, Internet Security, Banking Frauds and Basic concepts of Hacking
Eligibility	The student must know Basic Computer & Internet Concepts.

10. IT Essentials : PC Hardware and Software (v4)

Course Contents	Identification of basic Hardware Components, Step by Step Computer Assembly, Operating System, Laptop & Portable Devices, Printers & Scanners, Networks, Security, Communication Skills
Eligibility	The student must be matriculate.

11. Project Management

Course Contents	Introduction to Project Management and Microsoft Project, Creating Tasks and Task Management, Listing Resources and Task Allocation, Project Costs, Tracking and monitoring , Reporting
Eligibility	The student must be familiar with any programming language

12. Data Entry on PC

Eligibility	Candidate must have good English typing speed.

8.3 Summer Training

1. JAVA 2 Enterprise Edition

Course Contents	:	Java, AWT, Applets, Event Handling, JDBC, RMI, JSP, Database, Beans, Servlets
Eligibility	:	The student must be familiar with any Programming Language.

2. ASP. Net with C#

Course Contents	:	Web server controls, HTML, classes and objects, Server objects, sessions, cookies, ASP Objects, User Sessions and Applications, Data Interface, C# Coding, Classes, Publishing a Web Application.
Eligibility	:	The student must be familiar with any Programming Language.

3. ASP.Net with VB.Net

Course Contents	:	Web server controls, HTML, classes and objects, Server objects, sessions, cookies, ASP Objects, User Sessions and Applications, Data Interface, VB.Net Coding, Classes, Publishing a Web Application.
Eligibility	:	The student must know Basic Computer Concepts.

4. PHP with MYSQL

Course Contents	:	HTML, CSS, PHP Language basics, Arrays, Functions, Form Handling, Sessions, Cookies, MySql, PhpMyAdmin, Database Connectivity.
Eligibility	:	The student must be familiar with any Programming Language.

5. Certificate Course in Mobile Applications Development using Android

Course Contents	:	Android Features, Architecture, Application Framework, Libraries, Runtime, Application Fundamentals, Setting up development Environment, Open Source Tools, Development, Databases, Graphics, Publishing Applications,Project Work.
Eligibility	:	Knowledge of Java

6. PhoneGap Mobile Application Development

Course Contents	:	Android vs PhoneGap, Introduction to PhoneGap, HTML5, JavaScript, CSS3, Working with PhoneGap, Advanced Mobile Features using PhoneGap.
Eligibility	:	Anyone with knowledge of HTML and Javascript

7. Certificate Course in Embedded System Design

Course Contents	:	Overview of digital electronics, Microcontroller, 8051, Architecture, Port Organization, Embedded C, Programming Tools and Techniques, Microcontroller on Board, programming 8051 using Keil C, Writing program using the Keil IDE. Interfacing peripherals to microcontroller, LED, Seven Segment Display, Driving circuits, Relays, different types of Relay, Piezo buzzer (Alarm unit), Matrix-Keypad, LCD interfacing, Stepper motor, ADC (LM35), Project work
Eligibility	:	Engineering/DOEACC 'A' or 'B' Level/Msc(IT)/MCA, BSc/BCA/Diploma Computer Sc., Electronics, or others with relevant experience.

8. CCNA Exploration

Course Modules	:	1. Network Fundamentals. 2. Routing Protocols and Concepts 3. LAN switching and Wireless. 4. Accessing the WAN.
Eligibility	:	Engineering/'A' or 'B' Level/BSc/MSc(IT)/MCA, Basic Computer Knowledge

9. CCNA Discovery

Eligibility	:	Basic Knowledge of Computer (Prior knowledge of Networking not essential)
CCENT Certification	:	1. Networking for Home and Small Business 2. Working at a small-to-Medium Business or ISP
CCNA Certification		1. Networking for Home and Small Business** 2. Working at a small-to-Medium Business or ISP** 3. Introducing Routing and Switching in the Enterprise 4. Designing and Supporting Computer Networks **** for CCENT Certified, Module 1 & 2 are exempted**

10. Web Designing		
Course Contents	:	Internet Concepts, HTML, DHTML, JAVA Script, Flash, Photoshop.
Eligibility	:	The student must know Basic Computer Concepts.

11. C/C++		
Course Contents	:	Data type, Operators, Control Statements, Structures, Pointers, File handling, Classes, Objects, Inheritance, Overloading, Virtual function, static function, friend function, templates, exception handling
Eligibility	:	The student must be Matriculate.

12. AutoCAD		
Course Contents	:	2D drawing & editing, 3D drawing & editing, layers, blocks, Xrefs, rendering.
Eligibility	:	Student must hold a Diploma / Degree in Engg. / Arch. or be a Graduate

13. Multimedia Courses		
2D Animation		
Course Contents	:	Simple Animation, Reusable objects, Movie clip symbols, Sounds, Action, scripting, Controlling a timeline, Frame labels, Button symbols, Animated buttons, Publishing options.
Graphic Designing		
Course Contents	:	Graphics editing, Digital image editing, Color & tonal adjustment, Layers, Channels & mask, Transforming & retouching, Graphics, Effects, Logo, Logo review and redesign, Page banner and Advertising.
After Effects and Editing		
Course Contents	:	After effects composition, Animating compositions, Scaling, Motion paths, Synchronizing motion, Adding effects, Creating titles and animations, Exporting a movie to QuickTime, Animation and Keyframe technique, Compositing video and Digital audio editing.
Eligibility	:	The student must be 10+2 with at least 50 % marks

14. Oracle DBA		
Course Contents	:	Oracle Database Architecture, Memory Structures, Process Structures, Instance Management, Server Process, Tablespace, Schema, Segments, Structural Components.
Eligibility	:	Knowledge of Database Concepts

15. SQL Server 2008		
Course Contents	:	SQL Server, Database Design, T-SQL Basics, Quiries, Stored Procedures, Functions Views, Triggers, Advanced Transact-SQL, SQL Server 2008 Services, Reporting Services.
Eligibility:		DCA/DOEACC 'O'/'A'/'B'/ MSc IT/ MCA/ BCA or equivalent.

16. Certificate Course in MATLAB		
Course Contents	:	MATLAB and its features, Introduction to Simulink and Applications, Signal processing and Communication System Applications, Image Processing Applications, Neural Networks and Fuzzy Logic Applications.
Eligibility	:	B.E/B.Tech/AMIE/M.Sc in Electronics/Comm/Comp Sc. /IT

8.4 Industrial Training

1. Electronics Product Design

Course Contents	:	Fundaments of design & technology of Electronic Products, Basic electronic components identification and measuring tools, Embedded C Language, Algorithm design, Designing Microcontroller/microprocessor based systems-8051/ARM7, VHDL, Designing with digital signal processors, Designing Power Devices, Electromagnetic compatibility, physical design of Electronic Products, PCB design and layout, Manufacturing technology, reliability, maintainability, Project work
Eligibility	:	Undergoing engineering graduates in Electronics/Electrical

2. JAVA 2 Enterprises Edition

Course Contents	:	Java, AWT, Applets, Event Handling, JDBC, RMI, JSP, Database, Beans, Servlets.
Eligibility	:	The student must be familiar with any Programming Language.

3. ASP. Net with C#

Course Contents	:	Web server controls, HTML, classes & objects, Server objects, sessions, cookies, ASP Objects, User Sessions & Applications, Data Interface, C# Coding.
Eligibility	:	The student must be familiar with any Programming Language.

4. ASP.Net with VB.Net

Course Contents	:	Web server controls, HTML, classes & objects, Server objects, sessions, cookies, ASP Objects, User Sessions & Applications, Data Interface, VB.Net Coding.
Eligibility	:	The student must Know Basic Computer Concepts.

5. PHP with MYSQL and CMS

Course Contents	:	HTML, Constructs, Functions, UDF, Database Connectivity, MySQL, User management, stored procedures. PHP, MySQL, PHP OOPs, PhpMyAdmin, Drupal, Content Management, User Roles and permissions, JOOMLA, Web Hosting, Developing a Website　　using Drupal.
Eligibility	:	The student must be familiar with any Programming Language. Object oriented programming concepts, HTML, CSS

6. Development of Mobile Applications using Android

Course Contents	:	Android Features, Architecture, Application Framework & Fundamentals, Libraries, Runtime, Setting up development Environment, Open Source Tools, Development, Databases, Graphics, Publishing Applications, Project Work.
Eligibility	:	Knowledge of Java

7. Multimedia and Animation		
Eligibility	:	The student must be 10+2 with at least 50% marks.
2D Animation		
Course Modules	:	Simple Animation, Reusable objects, Movie clip symbols, Sounds, Action scripting, controlling a timeline, Frame labels, Button symbols, animated buttons, publishing options.
Graphic Designing		
Course Contents	:	Graphics editing, Digital image editing, Colour & tonal adjustment, Layers, Channels & mask, Transforming & retouching, Graphics, Effects, Logo, Logo review and redesign, Page banner and Advertising.
After Effects and Editing		
Course Contents	:	After effects composition, Animating compositions, Scaling, Motion paths, Synchronizing motion, Adding effects, Creating titles and animations, exporting a movie to QuickTime, Animation and Key frame technique, Compositing video and Digital audio editing
8. CCNA Exploration		
Course Modules	:	1. Network Fundamentals. 2. Routing Protocols and Concepts 3. LAN switching and Wireless. 4. Accessing the WAN.
Eligibility	:	Engineering / DOEACC 'A' or 'B' Level/ BSc/ MSc (IT)/ MCA, Basic Computer Knowledge
9. CCNA Discovery		
Eligibility	:	Basic Knowledge of Computer (Prior knowledge of Networking not essential)
CCENT Certification	:	1. Networking for Home and Small Business. 2. Working at a small-to-Medium Business or ISP.
CCNA Certification	:	1. Networking for Home and Small Business 2. Working at a small-to-Medium Business or ISP 3. Introducing Routing and Switching in the Enterprise. 4. Designing and Supporting Computer Networks.
10. Embedded System Design on ARM Microcontroller		
Course Modules	:	ARM Microcontroller, Embedded C Language, ARM Software Development Tools, Exceptions, Interfacing Peripherals LED, Interfacing Relays, DC Motor, On Chip Counter, Interrupts, Interfacing ADC, LCD Interfacing, Project.
Eligibility	:	Engineering/DOEACC 'A' or 'B' Level/Msc(IT)/MCA, BSc/BCA/Diploma Computer Sc., Electronics, or others with relevant experience.

Note : All the industrial training students would undergo a project work of 4 months after learning the technology for 2 months

9. FEE DETAILS

9.1 LONG TERM COURSES

Sno	Course Name	Duration	Total Fee	Installments Payment Detail			
				At the time of Admission	Within 2 Months	Within 4 Months	Within 6 Months
1.	DOEACC 'O' Level Computer Course	1 Year Part time	**15,000/-**	5,000/-	4,000/-	3,000/-	3,000/-
2.	DOEACC 'A' Level Computer Course	1 Year Full Day	**30,000/-**	10,000/-	8,000/-	6,000/-	6,000/-
3.	DOEACC 'B' Level Computer Course	1-1/2 Year Full Day	**50,000/-**	Payable in 6 installments a) During first year (Rs. 10,000/-, 10,000/, 8,000/-, 8,000/-) b) During second year Rs. 7,000/-, 7,000/- To be paid within interval of every 2 months			
4.	DOEACC Bio-Informatics 'A' Level Course	1 Year Full Day	**30,000/-**	10,000/-	8,000/-	6,000/-	6,000/-
5.	DOEACC 'O' Level on Hardware Maintenance	1 Year Part time	**15,000/-**	5,000/-	4,000/-	3,000/-	3,000/-
6.	DOEACC 'A' Level on Hardware Maintenance	1 Year Full Day	**30,000/-**	10,000/-	8,000/-	6,000/-	6,000/-
7.	Post Graduate Diploma in Computer Applications	1 Year Part time	**20,000/-**	6,000/-	6,000/-	4,000/-	4,000/-
8.	Diploma in Computer Applications	6 months Part time	**12,000/-**	6,000/-	6,000/-	-	-
9.	Advanced Diploma in Computer Applications.	6 months Part time	**12,000/-**	6,000/-	6,000/-	-	-
10.	Post Graduate Diploma in Information Security & Administration	6 months Full Day	**35,000/-**	20,000/-	15,000/-	-	-
11.	Post Graduate Diploma in Software Technologies (PGDST)	6 months Full Day	**35,000/-**	20,000/-	15,000/-	-	-
12.	Advanced Diploma in Embedded System Design	6 months Part Time	**20,000/-**	12,000/-	8,000/-	-	-

34

9.1 LONG TERM COURSES							
13.	Diploma In computer Applications and Desktop publishing	1 Year Part time	**12,000/-**	4,000/-	3,000/-	3,000/-	2,000/-
14.	Diploma in Computer Hardware & Networking	1 Year Part time	**15,000/-**	5,000/-	4,000/-	3,000/-	3,000/-
15.	Advance Course in Multimedia & Animation	6 months Part time	**25,000/-**	16,000/-	9,000/-	-	-
16.	PGDCA from MCRP University	1 Year	**Fee :** as per University norms				
17.	Advance Course in Information System Security	6 months Part time	**20,000/-**	12,000/-	8,000/-	-	-
18.	Diploma in .Net Technologies	6 months Part time	**20,000/-**	12,000/-	8,000/-	-	-
19.	Diploma in J2EE	6 months Part time	**20,000/-**	12,000/-	8,000/-	-	-

* **ALL STATUTORY TAXES, DUTIES, LEVIES ETC. AS APPLICABLE FROM TIME TO TIME SHALL BE EXTRA. (Service Tax amount, in full, will be charged with first installment and will not be refunded/ adjusted in any case.)**

* **NIELIT, Chandigarh reserves its right to cancel any course without assigning any reason.**

9.2 SHORT TERM COURSES (3 Hrs. Daily)

Sno	Course Name	Duration (weeks)	Fee (Rs.)
1	Office Automation / Certificate Course in Computer Concepts	6	3,000
2	Desk Top Publishing	4	3,000
3	Financial Accounting Using Tally	4	3,000
4	AutoCAD	6	6,000
5	System Administration under Linux	8	8,500
6	System Administration under Unix	8	8,500
7	System Administration under Windows 2000x	4	3,000
8	Cloud Computing Virtualization	8	10,000
9	Certificate Course on Information Security - A Practical Approach	2	3,000
10	IT Essentials : PC Hardware and Software (v4)	6	6,000
11	Project Management	4	6,000
12	Data Entry on PC	4	1,200
	Multimedia Courses		
13	2D Animation	8	10,000
14	Graphics Designing	8	10,000
15	After Effects & Editing	8	10,000

9.3 SUMMER TRAINING (6 – 8 Weeks)

Sno	Course Name		Fee (Rs.)
1	Java 2 Enterprise Edition		8,500
2	ASP.Net with C#		8,500
3	ASP.Net with VB.Net		8,500
4	PHP with MySQL and CMS		8,500
5	Certificate Course in Mobile Application Development using Android		15,000
6	PhoneGap Mobile Application Development		15,000
7	Certificate Course on Embedded Systems Design-ARM/ 8051 Micro Controller	8 Weeks	8,500
8	CCNA Exploration (Module 1& 2 OR 3 & 4)		12,500
9	CCNA Discovery (Module 1& 2 OR 3 & 4)		12,500
10	Web Designing		6,000
11	C/C++		8,500
12	AutoCAD		6,000
13	Multimedia and Animation		8,500
14	Oracle DBA		8,500
15	SQL Server 2008		8,500
16	Certificate Course on MATLAB		10,000

9.4 INDUSTRIAL TRAINING (6 Months)		
Sno.	Course Name	Duration	Fee (Rs.)
1	Electronic Product Design	6 Months	15,000
2	JAVA 2 Enterprise Edition		15,000
3	ASP.Net with C#		15,000
4	ASP.Net with VB.Net		15,000
5	PHP with MY SQL and CMS		15,000
6	Development of Mobile Application using Android		35,000
7	Multimedia & Animation		30,000
8	CCNA Exploration		25,000
9	CCNA Discovery		25,000
10	Certificate Course on Embedded System Design on ARM Microcontroller	6 Months	14,000 Inst-1 : 7,000 Inst-2 : 7,000

* ALL STATUTORY TAXES, DUTIES, LEVIES ETC. AS APPLICABLE FROM TIME TO TIME SHALL BE EXTRA. (Service Tax amount, in full, will be charged with first installment and will not be refunded/ adjusted in any case.)

* NIELIT, Chandigarh reserves its right to cancel any course without assigning any reason.

10. TRAINING CALENDER 2013-14

Head Office Chandigarh

	Course Name	Duration	Start Date
Long Term Courses	DOEACC 'O' LEVEL	1 Year	8th July/ 13th January
	DOEACC 'A' LEVEL	1 Year	8th July/ 13th January
	DOEACC 'B' LEVEL	1.5 Years	8th July/ 13th January
	DOEACC CHM 'O' Level	1 Year	8th July/ 13th January
	DOEACC CHM 'A' Level	1 Year	8th July/ 13th January
	PGDCA	1 Year	8th July/ 13th January
	DCA	6 Months	8th July/ 13th January
	ADCA	6 Months	8th July/ 13th January
	Post Graduate Diploma in Information Security and System Administration	6 Months	8th July/ 13th January
	Post Graduate Diploma in Software Technologies (PGDST)	6 Months	29th April, 8th July/ 13th Jan., 2014
	Advanced Diploma in Embedded System Design	6 Months	8th July/ 13th January
	Diploma in Computer Hardware and Networking	6 Months	8th July/ 13th January
	Advanced Course in Multimedia and Animation	6 Months	8th July/ 13th January
	Advance Course in Information System Security	6 Months	8th July/ 13th January
	Diploma in .NET	6 Months	29th April, 3rd June, 14th Oct., 13th Jan., 2014
	Diploma in JAVA	6 Months	29th April, 3rd June, 14th Oct., 13th Jan., 2014
Short Term Courses	Office Automation	6 Weeks	1st Monday of every month
	Desk Top Publishing	4 Weeks	1st Monday of every month
	Financial Accounting using Tally	4 Weeks	16th Sep., 25th March, 8th July, 14th October
	AutoCAD	6 Weeks	8th July, 16th Sep., 30th Dec., 2013, 6th Jan., 2014
	System Administration Under Linux	6 Weeks	29th April, 17th June, 1st July, 16th Sep., 25th March
	System Administration Under Unix	6 Weeks	20th May, 1st July, 16th Sep., 25th March
	System Administration Under Windows 200x series	4 Weeks	20th May, 1st July, 16th Sep., 25th March
	Cloud Computing and Virtualization	8 Weeks	9th Sep., 14th October
	Certificate Course in Information Security - A Practical approach	2 Weeks	20th May, 1st July, 16th Sep., 25th March
	IT Essentials: PC Hardware& Software (v4)	6 Weeks	20th May, 17th June, 1st July
	Project Management	4 Weeks	20th May, 9th Sep., 14th Oct
	Data Entry on PC	4 Weeks	1st Monday of every month

38

Head Office Chandigarh

	Course Name	Duration	Start Date
Summer Training Courses	Java 2 Enterprise Edition	8 weeks	29th April, 2013, 20th May, 2013, 17th June, 2013, 01st July 2013
	ASP.Net with C#	6-8 Weeks	
	ASP.Net with VB.Net	6-8 Weeks	
	PHP with MySQL and CMS	6-8 Weeks	
	Development of Mobile Application using Android	6-8 Weeks	
	PhoneGap Mobile Application Development	8 Weeks	
	Certificate Course on Embedded Systems Design	8 Weeks	
	CCNA Exploration (1&2 OR 3&4)	8 Weeks	
	CCNA Discovery (1&2 OR 3&4)	8 Weeks	
	Web Designing	6 Weeks	
	C/C++	8 Weeks	
	AutoCAD	6 Weeks	
	Multimedia and Animation	8 Weeks	
	Oracle DBA	8 Weeks	
	SQL Server 2008	8 Weeks	
	Certificate Course in MATLAB	8 Weeks	
	Tally	4 Weeks	
Industrial Training Courses	Electronics Product Design	6 Months	23rd Dec., 2013, 30th Dec., 2013, 6th Jan., 2014
	JAVA 2 Enterprise Edition		
	ASP.NET with C#		
	ASP.Net with VB.Net		
	PHP With MY SQL and CMS		
	Advanced Course in Development of Mobile Application using Android		
	Multimedia and Animation		
	CCNA Exploration (All 4 Modules)		
	CCNA Discovery (All 4 Modules)		
	Embedded System Design on ARM Microcontroller		

☞   **We offer a Special Discount of 10% for a Group of 8 or more Students in a Course (Only for Summer Training and Industrial Training Courses)**

10. TRAINING CALENDER 2013-14

Extension Centre - SHIMLA

	Course Name	Duration	Start Date
	MCRP PGDCA	1 Year	3rd June / 16th December
Long Term Courses	DOEACC 'O' LEVEL	1 Year	3rd June / 16th December
	DOEACC 'A' LEVEL	1 Year	3rd June / 16th December
	DOEACC 'B' LEVEL	1.5 Years	3rd June / 16th December
	DOEACC 'B' LEVEL	2.5 Years	3rd June / 16th December
	Social Welfare PGDCA	1 Year	8th April
	Social Welfare DCA-DTP	1 Year	8th April
	PGDCA	1 Year	3rd June / 16th December
	DCA	6 Months	3rd June / 16th December
	ADCA	6 Months	3rd June / 16th December
	Post Graduate Diploma in Software Technologies (PGDST)	6 Months	3rd June / 16th December
Certification	CCNA	4 Months	29th Apr., 10th June, 7th Oct., 10th Feb.
Short Term Courses	Tally	4 Weeks	29th Apr., 2nd Sep., 2nd Dec., 10th Feb.
	Office Automation/CCC	6 Weeks	8th Apr., 1st July, 4th Nov., 6th Jan., 3rd Feb
	JAVA	4 Weeks	10th June, 22nd July, 9th Sep.
	ASP.NET with C#	4/6 Weeks	29th April, 24th June, 9th Dec., 6th Jan.
	Embedded System	6 Weeks	29th April, 10th June, 2nd Dec.,
	Hardware & Networking	4 Weeks	24th June, 2nd Dec.,
	C/C++	4/6 Weeks	29th April, 27th May, 2nd Dec., 3rd Feb.
	Oracle DBA	6 Weeks	29th April, 2nd Dec
	Web Development with PHP CMS (Drupal)	4/6 Weeks	29th April, 24th June, 2nd Dec
	J2EE	4/6 Weeks	29th April, 24th June, 2nd Dec
	PHP with MySQL	4/6 Weeks	29th April, 24th June, 2nd Dec., 6th Jan.
	AutoCAD	6 Weeks	27th May, 2nd Dec
	Sql Server 2008	4/6 Weeks	27th May, 2nd Dec
	Multimedia	16 Weeks	27th May, 2nd Dec
	Linux Administration	6 Weeks	24th June, 2nd Dec., 3rd Feb.
	Web Development using LAMP	4/6 Weeks	24th June, 2nd Dec.,
	Certificate Course in Mobile Application Development in Android	6/8 Weeks	29th April, 24th June, 2nd Dec

NIELIT, Chandigarh

To

The Director,
NIELIT, Chandigarh,
S.C.O 114 - 116,
Sector 17-B, Chandigarh.

Subject   : Declaration for Provisional Admission

Sir,

     I understand that I am being given provisional admission to the course _____

subject to the submission of following documents :-

i) _____

ii) _____

iii) _____

iv) _____

v) _____

    I undertake to submit the above documents before the completion of course.

Signature of Candidate   :_____

Course Code   **:**_____

Roll No.   **:**_____

Signature of Receptionist:_____

Table of Contents

Table of Contents

Table of Contents

PROSPECTUS

राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी संस्थान (रा.इ.सू.प्रौ.सं.), *p.Mhx<+*

National Institute of Electronics and Information Technology (NIELIT), Chandigarh
AN ISO 9001 : 2008 Certified Organisation
¼bySDVhfuDI ,o ik\k\f`xdh folkkx\l pdkj ,o lpuk ik\k\f`xdl ea=ky;]Hkkjr ljdkj dh ,d Lok;r oKkfud laFkk½
(An Autonomous Scientific Society of Department of Electronics and Information Technology,
Ministry of Communications & Information Technology, Govt. of India)
SCO 114 -116, SECTOR 17-B, CHANDIGARH – 160 017
☎ **0172-2703281, 2703284   Fax : +91-172-2703283**

Extension Centre :

Hotel Cedarwood Building,
Jakhoo Road, Shimla H.P. - 171 001
☎ **0177-2804216, 2650613, 2650342**

Extension Sub-Centre :

SDA Complex, Block NO. 24A
STPI Building, Kasumpti, Shimla-9
☎ **0177-2629803**