

Annual Report 2011-12

1. ON GOING ACTIVITIES OF THE CENTRE

During the year 2011-12, NIELIT Srinagar/Jammu trained 4568 no. of candidates through various long-term and short-term courses. Its internal revenue generation increased to ` 550.47 lacs signifying an increase of 41.76 % over last year. The centre recorded a surplus revenue generation of ` 52.44 lacs.

NIELIT Srinagar/Jammu an ISO 9001:2008 certified organization, conducts both formal and non-formal long-term courses approved by AICTE-MHRD in addition to the practical oriented, industry sought short-term courses for the skill enhancement of students and professionals. Main activities include:

- Annually trains 500 candidates through long-term courses and over 5000 candidates including working professionals, government employees, Defense personnel's for their skill Upgradation through various short-term training programs.
- Conducts MCA in affiliation with University of Kashmir & PGDCA program in affiliation with University of Jammu. MCA program is approved by All India Council for Technical Education.
- DOEACC courses 'O', 'A', 'B' in software/hardware/Bio-informatics.
- IGNOU courses MCA/BCA offered on weekends.
- Academic tie-up with Oracle for its Workforce Development Program leading to Oracle certification (OCA & OCP)
- CISCO Academy for offering CCNA & CCNP both at Srinagar and Jammu.
- Remote Centre of IIT Bombay under Continuing Distance Engineering Education Program (CDEEP).
- Nodal Centre for IIT Bombay for Spoken Tutorial.
- Implementation of NPR project in J&K State.
- Computer Forensic Lab. & training facilities for Law Enforcement Agencies in J&K State.
- Repair and maintenance of Hospital equipment in J&K State.
- IT Advisors to Govt. of J&K in the implementation of e-Governance project.

2.5 Cyber Forensic training for Law Enforcement Agencies in J&K State:

- NIELIT imparted training to 69 J&K Police personnel in the field of Cyber Forensics at NIELIT Srinagar and Jammu for Level-I and Level-II.
- 20 Air Force Warriors were imparted training in the field of Cyber Forensic at India Air Force base Awantipora (Srinagar).
- Organised Sensitisation Workshop for Public Prosecutors of Law Deptt., Govt. of J&K, Kashmir Province on Computer Forensics and Cyber Crime for a batch of 17 at Srinagar from 19/1/2012 to 24/1/2012.



2.6 Training in IT Skills to improve the employability of Rural Youth belonging to SC/ST and Minority communities.

Coverage in J&K state : District Srinagar, Anantang, Baramulla, Jammu, Udhampur, Rajouri, Leh & Kargil.

Present Status:

- *No. of Candidates undergoing training* : 620

2.7 SC/ST trainings in CHM-O level: NIELIT is implementing CHM-O level training at Jammu, Samba, Leh & Kargil. Currently 137 candidates are undergoing training at Jammu & Samba. Trainings for Leh & Kargil are to commence shortly. The project is sponsored by DeitY, Govt. of India.

2.8 SC/ST trainings under DGE&T: The centre is implementing free training for 45 SC/ST Candidates in DOEACC Δ qlevel course at Jammu. The program is sponsored by

Director General Employment & Trainings under Ministry of Labour and Employment, Govt. of India.

2.9 IT literacy training programme through Course on Computer Concepts (CCC) for J&K Govt. employees.

IT Department, Government of J&K under capacity building program, has approved the training of 2900 Government employees on DOEACC's **Course on Computer Concepts (CCC)**. This program has been recommended by Department of Electronics and Information Technology (DeitY), Government of India to all the State Governments for achieving a general IT literacy among its employees.

In keeping with the recommendations of DeitY, Government of India, IT Department, Government of J&K entrusted the job of training of its 2900 employees at various levels to NIELIT (Formerly DOEACC) at Secretariat, Directorate and District level against which 985 employees have completed the training. The break-up is given here under:

S.No	Level	Target	No. of batches conducted	No. of candidates Allotted	No. of Candidates Trained
1	Secretariat	300	17	427	367
2	Directorate	400	17	262	222
3	District	2200	23	463	396
	Total	2900	57	1153	985

2.10 ISTE Workshops Under the National Mission on Education through ICT (MHRD, Govt. of India) with IIT Bombay

The Centre hosted two workshops with IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. of India). The first workshop on "Basic Electronics" was organized from 28th June to 8th July 2011 at Srinagar. The second workshop on "Software Development Techniques" was organized from 5th November to 4th December 2011. Both the workshops were well attended by 59 University/ College/ Institutions faculty members belonging to J&K State and outside. The efforts of the Centre in organizing National level workshop received wide acclaims from the national & local print and electronic media.

2. New initiatives planned for the year 2012-11 and onward placement services

- Proposal for upgradation of NIELIT Srinagar/Jammu so as to offer B.Tech (in two branches, M.Tech (one branch) and MSc IT with enhanced infrastructure facilities.
- Setting-up of labs to introduce advance courses in VLSI Design, Embedded Systems, Computer Forensics & Cyber Crime.
- Consolidation of R&D projects in the area of Wireless Sensor Networks & Data Communication Networks & Information Security.
- Implementation of NPR Rural project in J&K State.
- Pro-active association with IT Department, Govt. of J&K in the implementation of e-Governance project with J&K State.

4. Major Facilities and Services provided by the Centre

The Centre has state-of-the-art facilities for offering education and training in IECT in a Wifi enabled campus. The Centre is equipped with around 380 desktop PC's, 17 Laptop's, 6 servers, 14 DLP's, 02 interactive boards, 03 LCD 29" displays, Video conferencing equipments (Polycom), 02 Information Kiosks, 10 CISCO 2800 series routers, 10 CISCO switches 2900 series, test & measuring equipment from Rhode & Schwartz's, Philips, Marconi etc. The lab. wise details are as follows.:

- Computer Networking lab.
- Multimedia Lab.
- Software Development Lab.
- Repair and Servicing Lab.
- Microcontroller Lab.
- Hardware Lab.
- CAD Lab.
- PC Repair Lab.
- PCB Lab.
- Library with 10000 books.
- Mechanical Workshop
- Auditorium & well furnished classrooms.

5. Self-sustainability efforts made vis-à-vis performance indicators

Physical & Financial

- 6424 students trained in 2011-12 as against 5727 students trained in 2010-11 signifying an increase of 10.84% in enrollments.
- 41.76% increase in revenue generation (excluding GIA & interest).
- Surplus revenue generation of ₹ 52.44 lacs

Financial

S. No		2011-12	2010-11	Increase %age as against 2010-11
1	Gross revenue generation	593.68	403.31	(+)32.06%
2	Net surplus/ loss to revenue generation.	52.44	22.81	(+)56.50%
INCOME				
1	Income from Long Term Courses	95.27	90.34	(+) 5.17%
2	Income from Short Term Courses	65.43	100.35	(-) 53.37%
3	Income from Services	17.72	9.93	(+) 43.96%
4	Income from Projects	276.77	102.62	(+) 62.92
5	Misc	1.86	5.32	(-) 186.02%
	Total	457.05	308.58	(+) 32.48%
EXPENDITURE				
1	Establishment Expenses	337.32	302.19	(+) 10.41%
2	Other Administrative Expenses	41.33	60.47	(-) 46.31%

6. TYPE OF COURSES OFFERED

The Centre conducted following long-term training programs:

Long-term training Programs	Total Enrollment
MCA (in affiliation with University of Kashmir)	118
PGDCA (in affiliation with University of Jammu)	22
DOEACC 'B' level	101
DOEACC 'A' level	120
DOEACC 'O' level	338
Hardware 'O' level	178
Hardware 'A' level	5
Bioinformatics 'O' level	40
DIT (JUDA)	361
MCA (IGNOU Program)	80
BCA (IGNOU Program)	135
Total	1499

SHORT-TERM TRAINING PROGRAMS UNDERTAKEN As per Proforma-2

The Centre conducted following short-term training programs:

- CCNA, CCNP, Oracle Certified Associate (OCA), GIS, C & C++, Java, VB.Net & ASP.Net, ITES-BPO (Customer-care), ITES-BPO (Banking), AutoCAD, Embedded System, Networking with Windows 2000 & Red Hat Linux and Administration, Hardware & Networking, Information Security, Internet & Web design, DTP, Financial Accounting (Tally), MS Office (Basic Course), Certificate course in Integrated Electronics & Computer Services, Maintenance of Home Appliances, Repair of Power Conditioning, Maintenance of Telephone Equipment, Repair of Mobile phones, Repair of Hospital Equipments, PC Assembly & Testing, Design & Maintenance of UPS & Inverter.

7. Consultancy Services rendered:

7.1.1 Consultancy

S.No	Type of consultancy	Name of the organizations	Scope of work	* Approx. project cost
1	Procurement & Inspection of Computer Hardware	Newly established NCPUL Centre's in J& State	Consultant	`28.67lacs
2	Extension of LAN	Civil Secretariat Srinagar & Civil Secretariat Jammu	Consultant	`26.10 lacs
3	Office Automation	Srinagar Municipal Corporation	Installation of Video Conferencing	`5.5 lacs
4	Installation of Wi-Fi Network	Directorate of Social Welfare Department, Srinagar	Turn key implementation	`3.5 lacs
5	Installation of Wi-Fi Network	Divisional Commissioner Jammu	Turn key implementation	`4.8 lacs
6	Evaluation of technical proposals for implementation of e-Governance	Information Technology Department, Finance Department & GAD, Govt. of J&K	Consultant	`0.37 lacs
7	Setting up of Wireless Networks	Handloom Department	Consultant	`1.41 lacs
8	Ins. & Verf. Of Computer Hardware	SKIMS, Soura	Inspection & Verification	`1.22 lacs
9	Ins. & Verf. Of Computer Hardware	Power Development Department	Inspection & Verification	`1.19 lacs
10	Ins. & Verf. Of Computer Hardware	Rural Development Department	Inspection & Verification	`0.42 lacs
11	Development of Websites	J&K Building & Other Workers Construction Board, Sainik School Manasbal	Turn key implementation	`1.45 lacs
12	Inspection of Hardware and computer software.	<ul style="list-style-type: none"> • Srinagar Development Authority. • Jammu Development Authority • Srinagar Municipality • Housing & Urban Dept. • Dept. of Information • Indian Institute of Carpet Technology • J&K EDI • J&K Khadi & Village Inds. Board • J&K Forest Corporation, Jammu • Public Health Engineering. • Jammu Municipality • SKICC Srinagar • School of Design Srinagar • Dept. of Environment & Remote Sensing. • Indian Institute of Integrated medicines • State motor garages. • J&K Board of School Education, Srinagar • Urban & Local Bodies • Dept. of Employment Exchange • JK Public Service Commission • Women's College Srinagar • Accounts & Treasuries 	Inspection & certification	`2.60 lacs

*Consultancy charges are approximately 5% of the total project cost.

7.1.2 Facilities & Services rendered

S.No	Details of Services	Industry Serviced	Revenue
1	Repair of Bio-Medical Equipments	Govt. Medical College, Hospitals, Govt. Dental College, Private Diagnostic Centres, BSF, CRPF and ESI Hospitals, etc., Silk Board, etc.	` 4.32 lacs
2	Annual Maintenance Contract 2012	State TB Cell, Srinagar Kashmir	` 0.89 lacs
3	Repair of Lab. Equipment	Polytechnic College	` 0.10 lacs
4	Repair of Microscopes	TB Hospitals Kupwara, Budgam, Srinagar, Anantnag, Pulwama, Leh	` 0.28 lacs
5	Calibration of Industrial Equipment	Refining Industry	` 0.03 lacs
6	Hiring of Computers, etc for conduct of MCA/BCA counseling on Sat. and Sunday.	Education/Academics- IGNOU	` 1.14 lacs
7	Conduct of CAG online examination	Comptroller & Auditor General of India	` 0.44 lacs
8	Recruitment examination	J&K Bank	` 0.03 lacs

NIELIT has signed an MoU with State TB Cell, Directorate of Health Services Kashmir for Repair & Maintenance of Binocular Microscopes in Kashmir Division including Ladakh. It is envisaged to cover 120 microscopes installed at district headquarters under AMC. NIELIT is charging ` 1500/- per microscope towards AMC and ` 250/- and ` 350/- per microscope within and outside Srinagar towards servicing charges. The cost of the spares is borne by the beneficiary department. So far, Directorate has released a payment of ` 89,250/- as first installment towards AMC.

8. ACADEMIC PROGRAMMES

The Centre conducted following long-term training courses during the year 2011-12

Type of courses	formal courses: Where the Degree/Diploma are awarded by the University/Technical Institutes				Non-formal courses where the certificates/Diplomas are awarded by the respective Centres					
Name of the Centre	M.E./M. Tech	MCA	BCA	Dip. In Electronics Engg./ Electronics Compt. Sc. & Engg. Awarded by Universities/ Institutes approved by AICTE	O/A/B/C level courses	PGD courses/MCRP	Post metric Dip. Courses/ DEPM/Dip. In Comp. Maintenance/Dip. In computer Harwdware Networking & Information Security/Dipl. In Cyber Law & Legal	Bio-informatics courses	O/A Hardware Courses	Courses on ITES
NIELIT Srinagar/Jammu	-	118 80 (IGNOU)	135 (IGNOU)	-	559	22	-	40	183	42

9. SYMPOSIUM/SEMINAR/CONFERENCE/EXHIBITION/WORKSHOP ORGANIZED OR PARTICIPATED

Centre	Name of the participant	Theme	Period	Venue/Organizer
NIELIT Srinagar/ Jammu	A.H.Moon, Director	Attended Board of Studies meeting	25 th April 2011	PG Department of Computer Science, University of Kashmir
		Delivered a lecturer on "NeGP & e-Governance initiative in J&K State"	23 rd May 2011	Academic Staff college & PG Department of Computer Science, University of Kashmir
		Undertook Technical evaluation of setting-up of State Data Centre	May to June 2011	J&K IT Department.
		Undertook Technical evaluation of "setting-up of State Data Centre for J&K State"	May to July 2011	J&K IT Department.
		Undertook Technical evaluation of "CCTNS project"	May 2011 to March 2012	J&K Police (Srinagar & Jammu)
		Delivered a lecturer on "IT Scenario in J&K State"	2 nd June 2011	IMPA
		Paper presentation on "Design of SMPC converters" at Machatronic workshop	24 th June 2011	Department of Electronics, University of Kashmir
		Attended a workshop on "Cloud Computing"	3 rd November	Organized by Intel at NIELIT Srinagar.
		Undertook Technical evaluation of J&K Police Data Centre	21 st Feb. 2012	PHQ, J&K Police Jammu
		Attended the meeting as Chairman Advisory Committee on Community Development through Polytechnics	10 th March 2012	KITE Polytechnic Srinagar.
	Undertook Technical evaluation of traffic lights in Srinagar Municipal Corporation	March 2012	Commissioner Srinagar Municipal Corporation	
	A.H.Moon, Director; Ashaq Hussain Scientist-C; Ummer Iqbal, Scientist-B	Contributed a paper on "Open source software to digital libraries" at National Seminar on Emerging fortunes of digital libraries	13 to 14 th March 2012	University of Kashmir
		Presented a paper on "A test Bed for Real Time Monitoring of Water Quality using Wireless Sensor Network" at National Seminar on	24 to 25 th March	Shri Mata Vaishno Devi University, Katra Jammu

		"Wireless Communication & Networks with Special emphasis on adhoc sensor networks.		
D.S. Oberoi Scientist 'E'		Article "Electronics Dice Using Dot-Matrix Display"	October 2011	Electronics for You magazine
D.S. Oberoi Scientist 'E', Shalinder K. Sharma, Tech. Officer, , Rajnesh Raina, Sr. Tech. Officer	Conducted Workshops	ISEA	16-5-11, 03-08-11, 16-11-11, 03-02-12	R.M. Charitable & Educational Trust, Principal Accountant General (Audit) J&K, Sheri-Kashmir Police Academy Udhampur & Baba Ghulam Shah Badshah University Rajouri respectively.
Ashaq Hussain Dar, Scientist-C	Attended 2-week ISTE workshop on "Software Development Techniques"		5 TH Nov to 4 th Dec 2011 (on weekends)	NIELIT Srinagar
	Conducted Cyber Forensic Workshop		28 th March to 1 st April 2012	Indian Air Force base Awantipora
Fayaz Ahmad Malik, Sr. Tech. Asstt, Jasvinder Singh Sr. Tech. Asstt.	Attended Masters training Program at Chandigarh on NPR		12 th to 16 th September 2011	NIELIT Chandigarh
Syed Nisar Bukhari, Scientist 'B'	Attended 3 days workshop on "Security Development Lifecycle (SDL)"		15 th to 17 th November 2011.	CERT-IN, New Delhi.
Umer Iqbal, Scientist 'B'	Coordinated 2-week ISTE Workshop on "Basic Electronics"		28 th June to 8 th July 2011	NIELIT Srinagar
	Attended ISTE coordinators workshop on "Software Development Techniques"		17 th to 18 th Sept. 2011	IIT Bombay
	Coordinated 2-week ISTE workshop on "Software Development Techniques"		5 TH Nov to 4 th Dec 2011 (on weekends)	NIELIT Srinagar
Rajnesh Raina, Sr. Tech. Officer	Made a Presentation on "Computer Forensics & Information Security"		20 th January 2012.	J&K Judicial Academy, Jammu

10. Short-term training programmes:

Details of short-term courses:

S.No	Name of the course	2011-12
1	CCNA	187
2	CCNP	1
3	Oracle Certified Associate	40
4	.Net (.Net frame work, ASP.Net, C#; ADO, VB.Net)	147
5	GIS	23
6	Sun certified JAVA	107
7	C & C++	114
8	Computer Networking with Linux	108
9	Embedded Systems	73
10	6 Months Skill Development – DUDA Sponsored	740
11	Information Security	4
12	Multimedia & Networking	37
13	Multimedia & Web designing	59
13	AutoCAD	134
14	VHDL	-
12	Repair of Mobile Phones	20
13	Repair & Maintenance of Hospital Equipment	18
14	Repair & Maintenance of PC	14
15	ITES-BPO	42
16	Basic course in computer application	400
17	E-Deeksha	62
18	CCC	3165
19	Tally	50
20	Project (A & B level)	41
	Total	4925

10.1 Corporate training programs (Sponsored training programs):

The Centre conducted **25** short-term training programs attended by **4925** students. The details of the major sponsored short-term training programs conducted are given hereunder:

1. **Training of CCC sponsored by Govt. of J&K**
985 officials of J&K Government were trained across J&K at Civil Secretariat /District/Directorate level.
2. **GIS training for Revenue Department.**
16 officials of Revenue Department were offered GIS training.
3. **Training of employees of Project BEACON Srinagar.**
A four-week training program on Basic Course in Computer Application was organized for 57 employees of Project BEACON at Srinagar.
4. **Airforce Awantipora & Srinagar.**
126 Airforce warriors were imparted training in Hardware & Networking and Basic course.
5. **Practical training of Students of Baramulla Degree College.**
Multimedia & Web designing training program was conducted for 64 students of Baramulla Degree College.
6. **IT literacy program under OP-Sadbhavana**
To spread IT literacy in J&K State, 140 students were enrolled for E-Deeksha course through computer centres set-up under OP-Sadhbhawana by the Indian Army.
7. **CCNA training Program sponsored by Science & Technology Department.**
4-month CCNA training program was conducted for 85 candidates sponsored by Science & Technology Department, Govt. of J&K.
8. **Cyber Forensic training for J&K Police.**
The Centre conducted Level-I and Level-II Cyber Forensic training for 69 J&K Police personnel's both at Srinagar and Jammu.
9. **Cyber Forensic training for Air Force Awantipora.**
20 Air Force Warriors were imparted training in the field of Cyber Forensic at India Air Force base Awantipora (Srinagar).
10. **One week workshop for Law Department.**
Organised Sensitisation Workshop for Public Prosecutors of Law Deptt., Govt. of J&K, Kashmir Province on Computer Forensics and Cyber Crime for a batch of 17 at Srinagar.

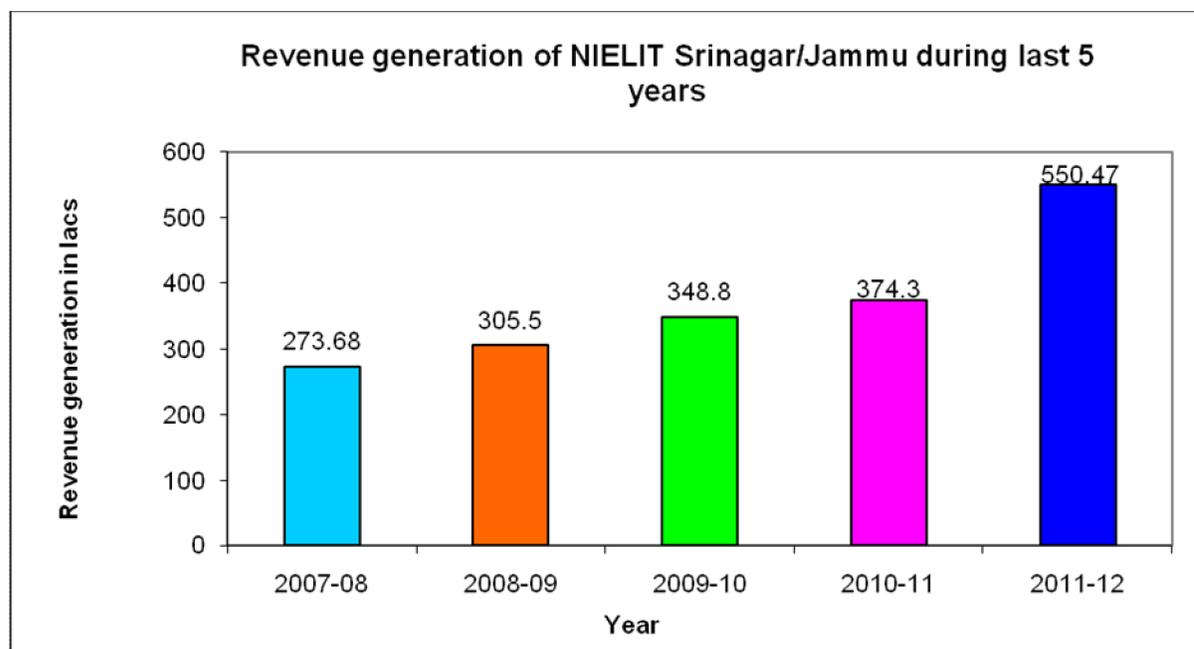
11. R&D ACTIVITIES

The centre has been sanctioned a R&D project titled 'Real Time Monitoring of Water Quality of Dal Lake, Srinagar using Wireless Sensor Network' to be funded by DeitY, MCIT Govt. of India at a project cost of ` 87.28 lacs. The project aims at developing a Real Time Water Quality Monitoring System of the Dal Lake by using Wireless Sensor Networks and appropriate under water sensors. The objectives are:

- Design & develop a prototype of field deployable real time wireless sensor network for monitoring the water quality of Dal Lake.
- Track the pollution level of Dal Lake.
- Investigation of issues related to design and development of WSN for surface water, underwater and underground application.
- Create an appropriate lab infrastructure for training of manpower in wireless sensor network areas:

12. PERFORMANCE OF THE CENTRE DURING LAST 5 YEARS

Financial Aspects (2011-12)



Particulars	2007-08	2008-09	2009-10	2010-11	2011-12
Total no. of students trained	4447	3593	4385	5727	6424
Man weeks of training	31377	25738	33498	35923	42322
Revenue generated in lacs (excluding GIA & Interest)	273.41	305.50	348.80	374.30	550.47