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NIELIT

QUARTERLY NEWSLETTER

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Dr. Ashwini Kumar Sharma, Managing Director, NIELIT showcasing NIELIT's strengths and achievements to Shri K. Chandrasekhar Rao, Hon'ble Chief Minister of Telangana and Smt. Nirmala Sitharaman, Hon'ble Minister of State for Commerce and Industries (I/C), Government of India at Hyderabad.

FROM THE DESK OF THE MANAGING DIRECTOR

Dear Readers,

It is heartening to observe that the Digital India initiative is coming of age. Its three core components, viz., creation of digital infrastructure, delivering services digitally and digital literacy have also gathered momentum. As companies become more digitally enabled, new way are being devised to understand, measure, and manage digital strategies to drive growth and competitiveness.

The Department of Electronics and Information Technology (DeitY) has released the beta version of the Aadhar linked 'Digital Locker', which is one of the key initiatives under the Digital India program. The Aadhar linked Digital Locker is aimed at minimising the usage of physical documents and enable sharing of e-documents across agencies. Applying for a job is set to become a lot easier as certificates and documents can now be stored in a 'Digital Locker' located in cyberspace and maintained by the government. When we need our papers to apply for a job, we won't have to submit our documents in the original, but just provide a link to the digital locker where they are stored. The sharing of the e-documents will be done through registered repositories thereby ensuring the authenticity of the documents online.

NIELIT has put in place a robust mechanism for issuance of Digitally Signed Certificates in the online mode. This futuristic initiative has been well received by NIELIT stakeholders and as a next step forward, plans are afoot to deliver these digitally signed certificates at the Aadhar enabled 'Digital Lockers' of NIELIT candidates. Further, efforts are also being made to reinforce these digitally signed certificates through 'e-sign' and 'time-stamping' initiatives of Digital India.

NIELIT is also in the process of rolling out a course on 'Digital Marketing' in using e-Commerce sites. This course has been conceived with the idea of providing an opportunity to the rural populace to attain a basic level training in computer literacy through which the members of micro and small enterprises in rural India would be able to use the realm of Digital media in marketing their products to the outer world.

Under the aegis of 'Digital India', DeitY has approved the Second Phase of the Scheme for "Skill Development in ESDM for Digital India" covering all the States/UTs in the country. To foster the creation of an ecosystem for development of ESDM sector in the entire country, this scheme is aimed towards facilitating skill development of more than 3.25 lakh candidates in ESDM sector at an outlay of more than Rupees 400 crores in a period of 4 years. NIELIT, as the Programme Management Unit (PMU), has been tasked with ensuring the rollout of this scheme, in addition to the initial phase of this scheme, which covers 8 States. Both these schemes are being implemented concurrently.

In a recent event at Hyderabad, the Dalit India Chamber of Commerce and Industry (DICCI) had evinced keen interest to join hands with NIELIT for the upliftment of the Dalit community through specialized skill development programmes. The capability and expertise available with NIELIT was also exhibited to **Shri K. Chandrasekhar Rao, Hon'ble Chief Minister of Telangana** and **Smt. Nirmala Sitharaman, Hon'ble Minister of State for Commerce and Industries (I/C), Government of India.**

This issue of the Newsletter contains a wide variety of articles that showcases NIELIT's initiatives to promote capacity building and skill development. I am sure that the readers would find the articles engaging and informative. Happy reading!

Dr. Ashwini Kumar Sharma

NEWS FROM NORTH-EAST

NATIONAL SCIENCE DAY AT IMPHAL



Seated on the dais (from left to right) are Shri Th. Surendranath Singh, Director, MASTEC, Shri Kh. Raghupati Singh, IAS, Additional Secretary (S&T), Government of Manipur and Shri Th. Prameshwor Singh, Director, NIELIT Imphal

National Science Day 2015 was celebrated at NIELIT Centre, Imphal on February 28, 2015 in joint collaboration with Manipur Science & Technology Council (MASTEC) and NIELIT Imphal on the theme "Science for Nation Building". Shri Kh. Raghupati Singh, IAS, Additional Secretary (S&T), Government of Manipur, graced the function as the Chief Guest. Besides the Chief Guest, the function was also graced by Shri Th. Prameshwor Singh, Director, NIELIT Imphal and Shri Th. Surendranath Singh, Director, MASTEC as Guest of Honour. The celebration also included distribution of State Science Communication Award 2015, guest lecture on 'Life & works of Prof. C.V.Raman' delivered by Shri R.K. Birjit, Centre for Conservation of Nature & Cultivation (CCNCS) and a lecture on the focal theme of the National Science Day Celebration by Shri S. Dorendrajit Singh, Department of Physics, Manipur University. The programme proved to be an informative platform for the faculties as well as students of NIELIT Imphal. | Y. SUBHASCHANDRA SINGH

National Science Day celebration at NIELIT Imphal



CYBER SECURITY WORKSHOP AT GANGTOK

A one day workshop on Cyber Security Awareness for Government employees was conducted by NIELIT Gangtok in collaboration with Accounts and Administrative Training Institute (AATI), Government of Sikkim on 20th and 21st February 2015 at AATI, Gangtok. The workshop was conducted as part of the cyber security awareness project sponsored by Department of Electronics and Information Technology (DeitY), Ministry of Communications and Information Technology, Government of India which is being implemented by NIELIT, Gangtok. The project deals with creating mass cyber security awareness among schools, colleges and government employees through appropriate training and campaign mechanism. An animated video on "Importance of Password" developed by NIELIT, Gangtok in Nepali language was also launched at the workshop.



In his inaugural speech, Shri Deepak Darnal, Principal Director, AATI, emphasized the need for cyber security awareness amongst the employees to avoid cyber crimes and encouraged the participants to make full use of the day long workshop. Speaking at the occasion, Shri Birendra Chhetri elaborated various initiatives taken by NIELIT Gangtok in creating awareness amongst the employees, students and public in general through such type of workshops. Shri Khagendra Sharma presented a brief overview of the activities being covered under the project such as creating awareness among Government employees as well as students of schools and colleges of Sikkim. The day long workshop also had technical sessions which covered discussion on various topics such as Internet, Cyber Ethics, Cyber Crimes and Attacks, Internet Threats, Safety & Security measures followed by a quiz session. Shri Karma Tamang, Sub Inspector (Cyber Cell), CID, Sikkim Police enlightened the participants about the need for cyber security awareness by quoting examples of various types of cyber crimes dealt by the CID team. The workshop witnessed enthusiastic participation of around 65 employees from various government departments of Sikkim. | KHANGENDRA SHARMA

CAPACITY BUILDING AT AGARTALA: NIELIT Agartala has successfully conducted Computerised Typing Test in English and Bengali for Recruitment of Lower Division Clerk for Tripura Board of Secondary Education (TBSE) on 9th January 2015 for 179 candidates. The result was sent to the TBSE authority on the same date. The Center also successfully conducted Typing Test for Recruitment of Lower Division Clerk for TBSE - Phase II on 9th February 2015 for 133 candidates. Training in Office Automation for eight candidates from Fire Service Department was organised from 22nd Dec 2014 to 22nd Feb 2015.

| ANURAG MATHUR

TRAINING ON E-GOVERNANCE STANDARDS

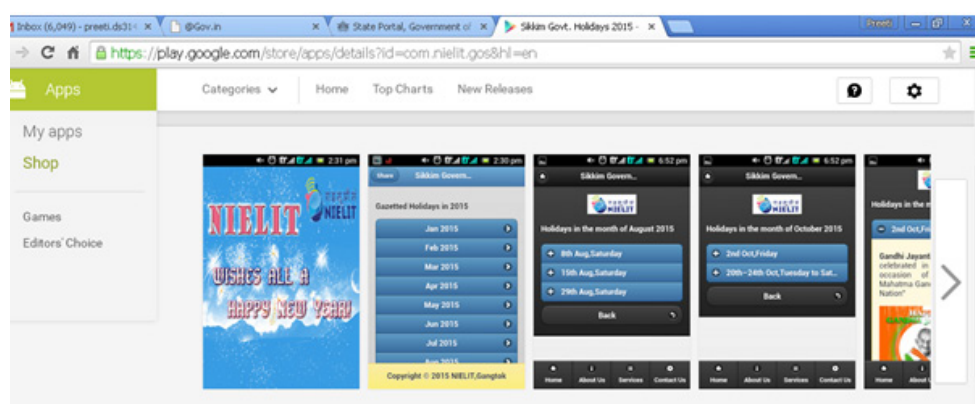


NIELIT Delhi Centre conducted a three days residential workshop on "e-Governance and Government Process Reengineering" for the officers of Department of IT, Government of NCT Delhi at Neemrana, Rajasthan. The inaugural session of the training was attended by Sh. Arun Baroka, Secretary (IT), GNCTD and Sh. Ajay Chagti, Additional Secretary (IT), GNCTD who also shared their vision on e-Governance. The workshop had few sessions on the e-Governance aspects of the country and topics such as Document Signer & Digital Signature, e-Taal, Service Guarantee Acts, etc. were covered. The participants were also educated on the subject by providing an insight on Government Process Reengineering (GPR) and service identification of various government departments of NCT Delhi. | SHEETAL CHOPRA

VIBRANT GUJARAT GLOBAL TRADE SHOW 2015



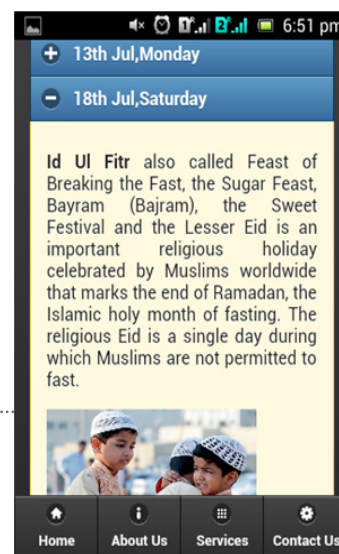
As a part of Pravasi Bharatiya Diwas 2015, a Global Trade Show was organized at Exhibition Ground, Near Mahatma Mandir, Gandhinagar, Gujarat from 07-13 January 2015. The exhibition which showcased product and services of more than 25 different sectors, was spread over 1,25,000 sq mtrs. Besides the public at large, the trade show was attended by decision-makers, trade delegations from India and overseas, purchasers and Sourcing personnel, diplomats and a number of academicians, Technocrats, Government / PSU Departments officials, Contractors, Consultants, Overseas and Indian Media. NIELIT participated in the Vibrant Gujarat Trade Show at Gandhinagar, Gujarat, which was inaugurated on January 7, 2015 by Smt. Sushma Swaraj, Hon'ble Minister of Overseas Affairs & External Affairs jointly with Smt. Anandiben Patel, Hon'ble Chief Minister Gujarat. Hon'ble Prime Minister also visited the Trade Show on January 8, 2015. Shri Ravi Shankar Prasad, the Hon'ble Minister of Communication & Information Technology visited the NIELIT Exhibit during Vibrant Gujarat Global Trade Show' 15 on January 8, 2015. A large number of visitors comprising general public, students, NIELIT Partners and Delegates/ Exhibitors visited the NIELIT Exhibit. | BASAB DASGUPTA



MOBILE APPLICATION BY NIELIT GANGTOK GETS OFFICIAL RECOGNITION

NIELIT, Gangtok has developed Android based Mobile Application on Central Government Holidays 2015 and State Government holidays of Sikkim 2015. The State Government Holidays is listed as per the almanac published by Sikkim Government and is available for free download at <https://play.google.com/store/apps/details?id=com.nielit.gos&hl=en>. The list of Central Government Holidays is available for free download at <https://play.google.com/store/apps/details?id=com.nielit.goi&hl=en>. The application also provides a brief description of each holiday observed by the Government. The application comes with a lot of facilities such as non-requirement of internet connection on the mobile for viewing month wise list of all government holidays, sharing the application with others through message, facebook, bluetooth etc. depending upon the available features supported by the mobile handset. In addition, the user also gets to know about NIELIT and its activities/services through this application.

Government of Sikkim has accepted the Android Application developed by NIELIT Gangtok by linking the application under "Citizen Space" on the official website of Sikkim Government for the benefit of the employees and public in general.



NIELIT & SENECA COLLEGE EXPLORE WAYS TO COLLABORATE



Seen in the picture are (from left to right) Shri Prashant Srivastava, Project Manager, International Partnerships & Projects, Seneca College of Applied Arts & Technology, Toronto, Ms. Vanita Yadav, JD(E), NIELIT, Ms. Renata Dinnocenzo, Executive Director, Office of the President, Seneca College of Applied Arts & Technology, Toronto, Dr. Ashwini Kumar Sharma, MD, NIELIT, Dr. David Agnew, President, Seneca College of Applied Arts & Technology, Toronto and Dr. Sanjeev Kumar Gupta, AD(T), NIELIT

Dr. David Agnew, President, Seneca College of Applied Arts & Technology, Toronto, Canada along with Ms. Renata Dinnocenzo, Executive Director, Office of the President, Seneca College of Applied Arts & Technology, Toronto, Canada and Shri Prashant Srivastava, Project Manager, International Partnerships & Projects, Seneca College of Applied Arts & Technology, Toronto, Canada visited the NIELIT HQ on January 5, 2015. The meeting was aimed at discussing the issues related forging of new academic partnerships, providing opportunities for student and faculty exchanges, joint programs and applied research projects. During the meeting, Dr. Ashwini Kumar Sharma, Managing Director, NIELIT and Dr. David Agnew, President, Seneca College of Applied Arts & Technology, Toronto, Canada explored possible ways to collaborate so that skill development and capacity building courses can be launched, leading to enhancement in employability. | VANITA YADAV

NEWS FROM CALICUT

ANALOG MAKER COMPETITION 2015



Participants in Circuit Implementation during TI India Analog Maker competition 2015 at NIELIT Calicut.

NIELIT, Calicut organized the Texas Instruments India Analog Maker competition on February 18, 2015 with support from Starcom Information Technology Limited, Bangalore. The competition was held in Embedded Systems Lab of NIELIT Calicut covering various practical analog circuit analysis such as simulation on TINA software, implementation on breadboard etc. A total of 135 students from M.Tech and PG Diploma programs participated in the competition in 40 different teams. The winner teams were awarded certification from **Texas Instruments**. | M.P. PILLAI

MEETING OF THE EXECUTIVE COMMITTEE (EC)



The EC meeting under the chairmanship of Dr. M.P. Pillai, Director, NIELIT, Calicut in progress. Also seen in the picture are Shri Alok Kumar Saboo, Saboo Group of Companies, Kozhikode, Shri Rajeev Talwar, Chief Finance Officer, NIELIT, Shri Basab Dasgupta, DD & TSO, NIELIT, Shri M. Govindan Kutty, Joint Director (A&F), NIELIT Calicut and Shri A. Baradharajan, Deputy Director (F&A), NIELIT, Calicut

The 12th Meeting of the Executive Committee (EC) of NIELIT, Calicut under the chairmanship of Dr. M.P. Pillai, Director, NIELIT Calicut was held on January 20, 2015 at NIELIT, Calicut. Shri Alok Kumar Saboo, Saboo Group of Companies, Kozhikode, Shri Rajeev Talwar, Chief Finance Officer, NIELIT, Shri M. Govindan Kutty, Joint Director (A&F), NIELIT Calicut, Shri Basab Dasgupta, DD & TSO, NIELIT and Shri A. Baradharajan, Deputy Director (F&A), NIELIT, Calicut attended the meeting. Several issues pertaining to training activities and other initiatives of the Centre were discussed in the meeting. Various schemes and projects undertaken by NIELIT Calicut in relation to good governance were explained to public during the open house. | M.P. PILLAI

ALUMNI MEET FOR A LEVEL/ B LEVEL STUDENTS



Seen in the picture are alumni of NIELIT Calicut alongwith faculty members, Ms. Sheela V S, Sc./E 'E', Mr.K. S. Lalmohan, Sc./E 'E', Mrs. Sini, STO and Mr.Hari, TO

A get together of the ex- students of the 'A' Level and 'B' Level courses of NIELIT Scheme was organized on December 27, 2014 at NIELIT Calicut. Around 30 ex-students who had studied in the Centre during 1997 to 2003 participated in the grand event. The ex-students shared their experiences and expressed their gratitude to the faculty members of NIELIT Calicut for shaping their career in the right direction. It is noteworthy that most of the students are well placed in reputed companies both in India and abroad. | M.P. PILLAI

GOOD GOVERNANCE DAY AT NIELIT CALICUT



Students presenting their ideas during Good Governance Day Celebrations

The birth Anniversary of Shri Atal Bihari Vajpayee, Former Prime Minister of India on December 25, 2014 was celebrated as Good Governance day, where various programs were organized. An oratory contest for students was conducted on "Use of Technology and Innovation for Promoting Good Governance" wherein a total of 33 students participated. Students also made presentation on innovative ideas and cash awards were distributed to the best presentations and innovative ideas. Few ideas presented by the students includes, Train-Destination Alarm/Message System by Indian Railway, Woman Empowerment – built-in GPS in taxi cabs, Queue Management System in Govt. Hospitals etc. In addition, an open house was also held to create public awareness showcasing Good Governance practices. Various schemes and projects undertaken by NIELIT Calicut in relation to good governance were explained to public during the open house. | M.P. PILLAI

CAMPUS RECRUITMENT AT NIELIT: NIELIT Calicut regularly conducts campus recruitment drive offering placement support to its candidates. During the period from January to March 2015, some of the leading and established companies like Park Controls, Intelligraphics Inc. & Tident Tech Labs conducted campus recruitment in the Centre. Around 40 students attended out of which 4 students have been placed.

SEMINAR ON e-WASTE MANAGEMENT



Dr. M.P. Pillai, Director, NIELIT Calicut delivering talks at the event. Also seen are Shri. S.S Nagesh Kumar, Expert Speaker, Sh. V.S Ramachandran, Director, Regional Science Centre, Calicut and Shri. CSC. Mohan, President, Malabar Chamber of Commerce, Calicut

To create awareness about the environmental and health hazards of electrical and electronics waste, known as "e-waste" and to work out responsible ways of e-waste management among the general public and target population, a seminar was conducted on March 16, 2015 at Regional Science Centre & Planetarium, Calicut organised jointly by NIELIT Calicut, RSC&P and IEEE Malabar SubSection. Sh. S.S Nagesh Kumar, Project executive, Clean Kerala Company Ltd.(Government of Kerala Initiative) chaired the technical session on the topic, what is e-waste, its health and environmental impact and scientific ways of e-waste management. Dr. M.P. Pillai, Director, NIELIT Calicut participated at the event as the Chief Guest. Speaking at the occasion, Dr. Pillai highlighted the need for strict and effective enforcement mechanism by the government and right infrastructure which includes eco-friendly designs to support e-waste management. Short films on global e-waste scenario, e-waste scenario in India, successful e-waste entrepreneurs in India etc., were also shown in the seminar followed by an interaction session. The seminar proved to be an informative platform for more than 30 participants from all walks of life including students, representatives from industry, prospective entrepreneurs, residents associations members, representatives from local bodies etc. who participated in the interactive session.

COLLABORATION WITH INDUSTRY



Dr. M.P. Pillai, Director, NIELIT Calicut and Shri. Niranjana Kumar K R, Managing Director, Niranjana Ultrasound India (P) Ltd. during launch of the course in Medical Ultrasound

In a step forward to bring absolute synergy with industry for designing of courses based on market demand, a Memorandum of Understanding (MoU) was signed between Director, NIELIT Calicut and Director, Niranjana Ultrasound India (P) Ltd. on January 14, 2015. The MoU marks a new commitment by National Institute of Electronics and Information Technology (NIELIT), Calicut and Niranjana Ultrasound India Pvt. Ltd. (NIUPL) to offer a Diploma course in Medical Ultrasound Service Engineer and an initiative to augment skill development in line with Government of India policy in the areas of Electronics System Design and Manufacturing (ESDM). The curriculum, time table, workbook, lectures for theory hours, training calendar, classroom, lab space, etc. will be provided by NIELIT while NIUPL will be providing the practical training of the course, internship, guest lectures by hospital and industry experts, ultrasound machines and lab equipments besides offering placement support to the students. NIELIT will be committed towards evaluation and updation of the course curriculum on a periodical basis.

NIELIT STUDENTS BAGS AWARD AT START UP 20-20

Start up 20-20 is an entrepreneurial skill enhancement event for young entrepreneurs, organized jointly by Calicut forum for IT (CAFIT), NASSCOM, IIM Calicut and NIT Calicut. The program was held at NIT Calicut from February 27, 2015 to March 1, 2015. The students of NIELIT Calicut presented exclusive and innovative ideas which grabbed the attention of many industrialists. Some leading financial organization such as Kerala Financial Corporation (KFC) showed their keen interest to fund for ideas provided by NIELIT students and to build the prototype. NIELIT students received appreciation from many technical experts as they were declared the First Runners Up and were rewarded a sum of Rs. 20,000/- in the event.

Students of NIELIT Calicut receiving the First Runnerup Prize at 20/20 Event



M. Tech Graduation Day was celebrated at NIELIT Calicut on January 9, 2015. Dr. Sailas Benjamin, Director of Research, University of Calicut, was the Chief Guest of the function and distributed certificates to the graduating students. A total of 35 students qualified for M.Tech degree.

JEEVAN PRAMAAN (DIGITAL LIFE CERTIFICATE)



With a view to promote Good Governance, NIELIT Calicut has started implementing the Jeevan Pramaan Scheme in the campus from December 18, 2014 onwards. 530 Facilitation Centres are also being set up throughout the state of Kerala and Karnataka by the Centre to provide this service to the pensioners.

PIC: Mrs. Reshma, Technical Officer, NIELIT Calicut explaining the Jeevan Pramaan Scheme to a Ex-Serviceman and Pensioner

IN OTHER NEWS

JEEVAN PRAMAAN



Dr. Samsher issuing the digital life certificate to Prof. R.P. Pandey

Jeevan Pramaan Scheme is a biometric enabled digital service for pensioner aiming to ease the verification of pensioners so that they do not need to run from one office to another in order to get their pensions. NIELIT has been entrusted with the job of enrolling pensioners for their Digital Life Certificate because of its reach and PAN-India presence. In this endeavor, NIELIT Gorakhpur has identified 2095 Facilitation Centres across Uttar Pradesh and Patna wherein the pensioners can enroll for generating their Jeevan Pramaan Certificate. In a function held on December 19, 2014, Dr. Samsher, the then Director, NIELIT Gorakhpur (now Director, Delhi) issued the first digital certificate generated by the Centre to Prof. R.P. Pandey, Ex. Professor at M.M.M.U.T, at NIELIT Gorakhpur. | A.K. DWIVEDI

AADHAAR BASED REGISTRATION



A student providing his demographic and biometric data

NIELIT Centre Gorakhpur has established Aadhaar based enrollment for students for all courses. The Aadhaar database of the students will be linked to the registration/examination for all courses and it will be linked to the placement portal also. | DR. SHAMSHER

CAPACITY BUILDING OF SC CANDIDATES

NIELIT Kolkata is implementing a capacity building project for empowerment of SC candidates of Cooch Bihar District, West Bengal by providing them training on ESM-1 course. The project was inaugurated by Shri Ujjal Biswas, Technical Education Minister, West Bengal. Smt. Renuka Sinha, Parliamentarian, Shri Rabindranath Ghosh, Secretary, TMC, Cooch Bihar and Shri Debabrata Bhadury, Chief Coordinator (e-Gov/IT for masses), NIELIT Kolkata were also present at the event. Under this project, the SC candidates of Cooch Behar will get free training on ESM-1 course as it is funded by DeitY. District Cooch Behar has high population of SC candidates and the literacy levels are also quite high. However, due to its distance from Kolkata City, the candidates are unable to get access to modern technological advantages. The proposed training program will create an added value for their livelihood activities / entrepreneurship development which will boost up the income generation via IT-Skilled resource manpower development in the rural part of the District. | DEBABRATA BHADURY

Inauguration of DeitY funded Capacity Building Project for Empowerment of SC candidates on ESM-1 BY Hon,ble Technical Education Minister Shri Ujjal Biswas, Govt. of West Bengal on 17th January, 2015 at Cooch Behar Polytechnic College, Govt. of West Bengal



NIELIT ENTERS MOU WITH UIDAI

The Digital Saksharta Abhiyaan aims to strengthen its processes by introducing Aadhaar-based registration for the beneficiaries. In order to ensure speedy implementation of this scheme, NIELIT has entered into a MoU with Unique Identification Authority of India (UIDAI) wherein it has been agreed that NIELIT shall function as Registrar for allotment of Aadhaar numbers to various candidates. | ANURAG SHAH

STUDENT INITIATIVE FOR DIGITAL INDIA

DiLiT - TOOL TO PROMOTE DIGITAL LITERACY



Shri Sarwan Singh, Assistant Director, NIELIT Centre, Chandigarh, mentoring Shri Ankit Banerjee, NIELIT 'B' Level student.

In a unique initiative, Shri Ankit Banerjee, a NIELIT 'B' Level candidate has embarked on a journey to develop a low-cost educational tool for the promotion of Digital Literacy in Rural India. His project is based on 'Raspberry Pi', which is a credit card-sized single-board computer. Raspberry Pi packs in a 1 GHz Quad Core processor with 1GB of DD3 RAM and has phenomenal community support.

DiLiT is a result of indigenous effort in using Raspberry Pi operating on GNU/ Linux Software, bundled with Learning Management Solutions and presents itself as a complete learning tool, replete with NIELIT's CCC e-Learning contents, which can be perused in the 'anywhere-anytime' mode. The effort of ShriAnkit Banerjee is being mentored by Shri Sarwan Singh, Assistant Director (Systems), NIELIT Chandigarh Centre. In India, the fruits of Information Technology are required to be applied in a more meaningful manner to cure century-old malaises like illiteracy, poverty and unemployment. In this context, to overcome the digital divide, the Government of India has formulated the Digital India initiative which seeks to plug infrastructural bottleneck that includes electricity, IT penetration, teledensity and Internet industry, and its enabling policies to transform India as a knowledge society.

The DiLiT is perceived as an ideal tool to overcome the infrastructural necessities in Rural India for proliferation of digital literacy among masses. The biggest advantage of DiLiT is that the digital literacy learning contents can be made available free of cost in the offline mode. Modelled on a client-server architecture, DiLiT can be offered as a one stop solution where the DiLiT server connects to the internet only for the purpose of downloading/uploading content from the NIELIT Server, whereas the DiLiT clients connects to the DiLiT server locally, without the need for Internet or any other expensive peripherals and more importantly without compromising on quality. Besides, the indigenous use of Raspberry Pi opens up a new paradigm of thoughts that promotes entrepreneurship among masses providing a fillip to the 'Make in India' initiative of the Government of India. In an effort to be abreast with technology and create spirit of entrepreneurship, State Government of Kerala is in the process of distributing 10,000 Raspberry Pi boards to students of Government Schools in the State.

1	Small Form Factor	A Typical Computer consists of various parts(Motherboard, Processor, RAM Chips, HDD and Cabinet) that need to be assembled together to form a Computer. DiLiT, using the Raspberry Pi, is a credit-card sized computer, with a 1GHz Quad Core Processor and 1GB DDR3 RAM on board. The Pi (with a case) can be held in your hand. A comparable full-size CPU cannot. It does not need Cooling Fans, so no noise produced.
2	Low Cost	Raspberry Pi wins by huge margins when it comes to Pricing. A Typical Computer CPU would cost INR 10000 on an average, while the Raspberry Pi costs just \$35 (INR 2900 (Including taxes & shipping from UK)).
3	Green IT	Even the 24x7 running cost of Raspberry Pi is less than that of a Virtual Machine. So it supports Green IT.
4	Wide Community Support	The Pi has phenomenal community support. Support can be obtained quite easily for the hardware and/or GNU/Linux software that runs on the Pi on the Official Dedicated forums (www.raspberrypi.org/forums/). The Raspberry Pi community was described by FLOSS software company AdaCore as one of the most exciting parts of the project.
5	Inclination towards Open Source	Raspberry Pi is an Open Source Hardware Board, with support for more than 90% Open Source Software and Applications available for the Linux Platform.
6	A simple Micro SD card can convert DiLiT into a Desktop from a Server and vice-versa	Micro SD card storage makes it easy to swap with other micro SD cards running other GNU/Linux distributions to quickly and easily change the functionality of the Pi. The same hardware can act as a Desktop or a Server with just the swap of micro SD Card. DiLiT can be used as a Server, with Open Source LMS (Moodle) running out-of-the-box, which is not available in any other Linux Distribution. DiLiT could also be used as a Desktop, with a host of Open Source Educational Applications.
7	Built-in HDMI Graphics Support	Built-in HDMI Graphics Support, which otherwise comes only with high cost motherboards in the traditional setup.

Access the QR code to learn more about DiLiT



GOOD GOVERNANCE DAY AT AGARTALA



Good Governance Day was observed at NIELIT Agartala on December 25, 2014. In the said event, Shri Anurag Mathur, Director-in-Charge, NIELIT Agartala impressed upon the need for good governance in achieving organizational objectives in various stages such as assigning targets, developing strategies, performing SWOT analysis, adopting business process re-engineering, implementation, monitoring etc. He also stressed on the importance of recognition as well as felicitation of employees of the organization on the basis of their remarkable performance/contribution towards the organization as a motivating factor of good governance. A total of four officials, namely Shri Abhijit Debnath, Scientist-B (NPR Project, Tripura), Ms. Ambalika Dey, STA (Cyber Security Awareness Project), Shri Ajitava Debroy, STA, (ownCloud App) and Shri Binoy Das, STA (ownCloud App) were felicitated for their outstanding contribution towards the growth of the Centre. The meeting proved to be an informative platform for fruitful discussions among the officials of NIELIT Agartala regarding their views on good governance. | **ANURAG MATHUR**

TECHNOLOGY SABHA



Dr. Ashwini Kumar Sharma, Managing Director, NIELIT in discussion with Shri J. Satyanarayana, Advisor (eGovernance, Electronics and IT), Government of Andhra Pradesh in the Technology Sabha

NIELIT participated in the Technology Sabha during 12-14 February, 2015 at Hyderabad. A galaxy of government officials, thought leaders, media personalities and representatives from Information Technology companies attended the three-day Sabha. They shared knowledge and experience on the full breadth and depth of the initiatives that must be taken for "Achieving the Vision of Digital India." The event was also attended by Shri. J. Satyanarayana, Advisor (e-Governance, Electronics & IT), Government of Andhra Pradesh; Padma Bhushan, Dr. Isher Judge Ahluwalia, Chairperson, Board of Governors, the Indian Council for Research on International Economic Relations (ICRIER) and other eminent dignitaries. NIELIT had put up an exhibit at the Sabha showcasing the strength of NIELIT and initiatives

taken in launching various Digital Literacy Courses for promoting Digital India. Dr. Ashwini Kumar Sharma, Managing Director, NIELIT participated in the panel discussion on the theme 'ICT for better delivery of healthcare, services'. | **PARTHO ADHIKARI**

PROPOSED CENTRES AT MUZAFFARPUR AND BUXER

As per declaration by Shri Ravi Shankar Prasad, Hon'ble MoCIT, during STPI event in Patna, NIELIT Extension Center at Muzaffarpur, Bihar is proposed to be established. In this regard, a vacant land measuring 1 acre has been identified at MIT, Muzaffarpur for setting up of NIELIT extension centre. The NIELIT Extension Center will cater to the training needs and requirements of the region, especially in and around the district of Muzaffarpur. Also, a piece of land measuring 1 acre has been identified at Buxer, Bihar for setting up an Extension Centre of NIELIT. The possession of the land will be taken up by NIELIT soon after submission of the project proposal to DeitY. | **ANURAG KUMAR**

The Foundation Stone laying ceremony of NIELIT HQ at Sec 8, Dwarka, New Delhi is expected to be organised shortly. DDA has approved building plans and CPWD has been accorded administrative approval and financial sanction for building construction.

CONSTRUCTION OF NIELIT CAMPUSES

AJMER (KEKRI)



KOLKATA



AGARTALA



SNIPPETS

HON'BLE CM OF BIHAR VISITS NIELIT EXHIBIT



Shri Jitan Ram Majhi, the then Hon'ble Chief Minister of Bihar giving his valuable comments at the NIELIT exhibit during the e-Bihar summit. Also seen in the picture are Shri Alok Tripathi, Director i/c, NIELIT Patna

In an effort to recognise achievements in the area of e-Governance by disseminating knowledge on effective methods for implementation of e-Governance initiatives in the state and to encourage incremental innovations in successful e-Governance solutions, a mega event titled e-Bihar was organised by the Department of IT, Bihar on 19-20 February 2015 at Patna. The event was inaugurated by Shri Jitan Ram Majhi, the then Hon'ble Chief Minister of Bihar in presence of Shri Sahid Ali Khan, State IT Minister, Bihar. NIELIT participated in the event as a Government Partner. Shri Alok Tripathi, Director i/c, NIELIT Patna attended the event as one of the panellist in the session 'Skill Development in Bihar' and briefed the audience about various capacity building initiatives being taken by NIELIT Patna. | ALOK TRIPATHI

TRAINING FOR ELECTED REPRESENTATIVES

NIELIT Gorakhpur has been entrusted for providing basic computer training to the elected representatives and Panchayat Functionaries in the State. The training programme was inaugurated in an event held at Jan Kalyan Seva Samiti, Jaunpur, UP by Shri Satyendranath Chaudhury, Project Director, PR Department, Uttar Pradesh in presence of Shri Nishant Tripathi, Scientist-C and Shri S.C. Agarwal, STO, NIELIT Gorakhpur and Shri Arvind Kumar Singh, Centre Head of Jan Kalyan Seva Saminiti. In his inaugural speech, Shri Chaudhary briefed about the automation of various government activities leading to easy access of all information that has made life simpler. Shri Traipathi informed that a total of 44,000 candidates will be trained by NIELIT under the programme. The first phase of training has already been started at blocks Baksha, Sikara, Sikrauni and Karnjakalaeen. | NISHANT TRIPATHI

Inauguration of training programme for elected representatives and PR functionaries by Shri Satyendranath Chaudhury, Project Director, PR Department, Government of Uttar Pradesh



DICCI NATIONAL EXHIBITION

NIELIT had participated in a National Level Exhibition organized by Dalit Indian Chamber of Commerce and Industry, held on 13-15 February, 2015 at Hitex Hyderabad. The main objective of the exhibition was to showcase the Dalit entrepreneurs' capability, competency by way of displaying products and services and to bring buyer and seller together on common platform for forging business tie up for mutual benefit. During the exhibition, the activities and achievements of NIELIT was demonstrated to Shri K. Chandrasekhar Rao, Hon'ble Chief Minister of Telangana and Smt. Nirmala Sitharaman, Hon'ble Minister of State for Commerce and Industries, Government of India when they visited the stall put up by NIELIT. Dr. Ashwini Kumar Sharma, Managing Director, NIELIT participated in the Expo as a Chief Speaker and Panelist in valedictory function of the event held on 15th February, 2015. The event was a grand success as it provided an opportunity to identify prospective vendors in Government and Private sector to forge business linkages.

| PARTHO ADHIKARI

NIELIT SIGNS MOU WITH J&K STATE COUNCIL FOR SCIENCE & TECHNOLOGY



Signing of MoU between Shri A.H. Moon, Director, NIELIT J&K and Shri Shafat Sultan, Additional Director, J&K State Council for Science & Technology in presence of Shri Parvez Ahmad Maik, ias, Secretary, Department of Information Technology and Science & Technology, J&K. Also seen in the picture are Shri Susheel K. Gabgotra, Additional Director and Shri V.S. Krishnamurthy, CWS, NIELIT J&K.

Taking forward its IT-HRD Consultancy and R&D related initiatives in the area of Electronics & Information Technology, National Institute of Electronics & Information Technology (NIELIT) J&K, under department of Electronics and Information Technology (DeitY), Ministry of Communications & Information Technology, Government of India has signed a MoU with J & K State Council for Science and Technology, Science & Technology Department, J&K, at Civil Secretariat, Jammu on February 25, 2015. Under the MoU, NIELIT J&K and the State Council for Science & Technology, J&K shall collaborate to setup Solar Photovoltaic (SPV) Testing Labs & Technology Incubation Centre in NIELIT. The agreement is for conducting entrepreneurship development programme in computer networking, medical electronics, web technologies, electronics system designing and manufacturing (ESDM) across the state of J&K. Under the said MoU, both the departments have also mutually consented to organize awareness camps and workshops in the area of patenting new technologies & products. The MoU was signed between Shri A.H. Moon, Director, NIELIT J&K and Shri Shafat Sultan, Additional Director, J & K State Council for Science & Technology in presence of Shri Parvez Ahmad Maik, ias, Secretary, Department of Information Technology and Science & Technology, J&K and other senior officials of NIELIT J&K.

| A.H. MOON

नटखट कलम

हमारे देश की बाल व प्राथमिक शिक्षा को लेकर बहुत विमर्श होता रहा है। पाठ्यक्रम में क्या होना चाहिये व क्या नहीं- शिक्षण पद्धति कैसी हो? शिक्षकों के व्यवहार आदि को लेकर भी कई चर्चाएँ होती हैं। पर एक बालक के दृष्टिकोण से देखा जाये तो विद्यालय जाने में बच्चा असहज ना अनुभव करे व जो कुछ सीखे वह पारिवारिक वातावरण में सहजता से सीखे, तभी उसमें विद्यालय व शिक्षण के प्रति ललक होगी। विद्यालय को उर्दू में मदरसा कहा जाता है, आज की नटखट कलम में अंग्रेजी व उर्दू के शब्दों की खिचड़ी है, जो पूरी शिक्षा नीति को परिभाषित कर सकती है।

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हिंदी कार्यशाला का आयोजन



नाइलिट केन्द्र दिल्ली द्वारा आयोजित हिन्दी कार्यशाला

रा.इ.सू.प्रौ.सं., दिल्ली केन्द्र में दिनांक 11 फरवरी 2015 को एक हिंदी कार्यशाला का आयोजन किया गया। कार्यशाला में श्रीमती मधुबाला, वित्त अधिकारी, नाइलिट दिल्ली द्वारा केंद्र में प्रयोग किये जाने वाले सरकारी पत्रों के प्रारूप के प्रयोग पर विस्तृत व्याख्यान दिया। कार्यशाला में केंद्र के सभी अधिकारियों एवं कर्मचारियों को अपना सरकारी कार्य हिंदी में करने के लिए प्रेरित किया गया। डॉ० शमशेर, निदेशक महोदय, नाइलिट केन्द्र, दिल्ली द्वारा सभी विभागीय हिंदी दस्तावेजों का निरीक्षण किया गया तथा आगामी लक्ष्यों के प्रति दृष्टिपात करने तथा सम्बोधन के पश्चात कार्यशाला की बैठक समाप्त हुई। | कन्वन् शनी

डिजिटल इंडिया के क्षेत्र में अग्रसर

डॉ० अश्विनी कुमार शर्मा, प्रबंध निदेशक, राष्ट्रीय इलेक्ट्रॉनिक्स एवं सूचना प्रौद्योगिकी संस्थान (नाइलिट), दिनांक 08-01-2015 को मुजफ्फरपुर में डिजिटल इंडिया एवं मेक इन इंडिया हेतु आयोजित कार्यशाला का उद्घाटन किया। इस कार्यशाला का मुख्य उद्देश्य भारत सरकार के डिजिटल इंडिया एवं 'मेक इन इंडिया' के सपने को ध्यान में रखते हुए डिजिटल लिटरेसी एवं इलेक्ट्रॉनिक्स से संबंधित पाठ्यक्रमों को बिहार के युवाओं के लिए आरंभ कराना था। इस कार्यशाला में मुजफ्फरपुर एवं अन्य निकटवर्ती क्षेत्रों के नाइलिट प्रशिक्षण के सहभागियों ने भी भाग लिया। | आलोक त्रिपाठी

डिजिटल इंडिया विषयांतर्गत आयोजित डिजिटल साक्षरता पर आधारित कार्यशाला, जिसमें डॉ० अश्विनी कुमार शर्मा, प्रबंध निदेशक, नाइलिट (मुख्य अतिथि), श्री आलोक त्रिपाठी, प्रभारी निदेशक, नाइलिट केन्द्र, पटना व श्री अनुराग कुमार गुप्ता, संयुक्त निदेशक, नाइलिट, मुख्यालय व अन्य संबंधित विशेषज्ञ सम्मिलित हुए।



चक्रा फुनसल ज़क़ हुन फुलज़क क्ल फुज़क़ क



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दिनांक 08-01-2015 को डॉ० अश्विनी कुमार शर्मा, प्रबंध निदेशक, नाइलिट, श्री आलोक त्रिपाठी, प्रभारी निदेशक, नाइलिट पटना एवं श्री अनुराग कुमार, संयुक्त निदेशक, नाइलिट मुख्यालय द्वारा एम.आई.टी. मुजफ्फरपुर का दौरा किया गया। प्रबंध निदेशक एवं नाइलिट के अन्य अधिकारियों द्वारा एम.आई.टी. मुजफ्फरपुर में नाइलिट के विस्तार केंद्र हेतु आवंटित जगह पर भवन निर्माण हेतु एम.आई.टी. मुजफ्फरपुर के प्राचार्य के प्राचार्य, डॉ० के. नाथानी एवं अन्य अधिकारियों के साथ बैठक की गई।

| अनुराग गुप्ता

नाइलिट, पटना केंद्र- समीक्षा बैठक



डॉ० अश्विनी कुमार शर्मा, प्रबंध निदेशक, नाइलिट की अध्यक्षता में नाइलिट पटना केंद्र की समीक्षा बैठक का आयोजन।

दिनांक 07-01-2015 को डॉ० अश्विनी कुमार शर्मा, प्रबंध निदेशक, राष्ट्रीय इलेक्ट्रॉनिक्स एवं सूचना प्रौद्योगिकी संस्थान (नाइलिट), द्वारा पटना केंद्र का समीक्षा किया गया। इस समीक्षा बैठक में पटना केंद्र के अधिकारियों द्वारा केंद्र में संचालित कार्यक्रमों का विस्तृत जानकारी दिया गया। डॉ० शर्मा द्वारा कार्यक्रमों के बेहतर संचालन एवं निर्धारित लक्ष्य को पूरा करने हेतु महत्वपूर्ण दिशा निर्देश दिये गए। | आलोक त्रिपाठी

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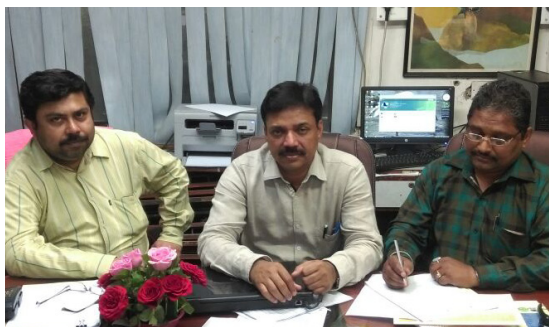


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| मोहम्मद वसीम

C&AG AUDIT



A three-member audit team led by Shri N.K. Singh, Audit Officer from (P&T) Audit Office undertook audit of NIELIT from 04.03.2015 to 25.03.15.

He was joined by Shri Aniruddha Bhattacharya and Shri Raghu Raj, Senior Auditors as members of the team. The audit was carried out in a professional manner and during the course of the audit, many suggestions were made with a view to further strengthen the procedures and policies of NIELIT. | RAJEEV TALWAR

LECTURE ON SKILL SETS AT KOLKATA



Dr. Avijit Bhattacharya delivering a lecture on skill set required for the employment opportunities in IT MNC

A lecture session on "Skill set required for the employment opportunities in IT MNC" by Dr. Avijit Bhattacharya, Principal Consultant, Tata Consultancy Services was organized at NIELIT Kolkata on February 27, 2015. Dr. Avijit delivered lectures on various topics such as major IT career clusters, requirements of employers, how to face Interview, how to answer tricky questions etc. He also educated the students who are aspiring jobs in MNC to focus more on the programming skills and work hard with their final projects. He highlighted that Java Language has a good future and students must work hard in learning this language with an exposure to any database system. The students who attended the session were advised to work on their communication skills, organizational skills, critical thinking and decision making, team work & self directed and continuous learning. The programme ended with a query session where the students got a chance to clear their queries regarding their future career. Shri A.K. Chandra, Scientist-E, NIELIT Kolkata proposed the vote of thanks. | T.P. SINGH

MOU WITH ANDHRA PRADESH GOVERNMENT



Exchange of MoU between Dr. Ashwini Kumar Sharma, Managing Director, NIELIT and Dr. Ghanta Subba Rao, Managing Director & Chief Executive Officer, APSSDC in august presense of Dr. Palle Raghunatha Reddy, Hon'ble Minister for Information & Public Relations, Information Technology & Communications, Government of Andhra Pradesh and Shri J Satyanarayana, Technical Advisor, Andhra Pradesh. Also seen in the picture are Dr. K. Lakshminarayana, Director, Andhra Pradesh State Skill Development Corporation, Hyderabad and others.









A Memorandum of Understanding (MoU) was signed between Andhra Pradesh State Skill Development Corporation (APSSDC) & NIELIT on February 13, 2015 in Hyderabad in august presense of Dr. Palle Raghunatha Reddy, Hon'ble Minister for Information & Public Relations, Information Technology & Communications, Government of Andhra Pradesh. The MoU was signed by Dr. Ashwini Kumar Sharma, Managing Director, NIELIT and Dr. Ghanta Subba Rao, Managing Director & Chief Executive Officer, APSSDC & Ex-Officio Secretary, Higher Education Department, Andhra Pradesh. APSSDC is the state implementing agency for ESDM scheme in Andhra Pradesh and NIELIT is the implementing agency and Programme Management Unit on behalf of DeitY for the implementation of this scheme in the country. On the occasion, a press conference was addressed jointly by Dr. Palle Raghunatha Reddy, Hon'ble Minister for Information & Public Relations, Information Technology & Communications, Government of Andhra Pradesh and Shri J. Satyanarayana, Technical Advisor, Andhra Pradesh. Dr. Reddy addressed the media and shared the implementation strategy of the ESDM Scheme in the state and how this scheme will create job opportunities for the employment of the youth. | VANITA YADAV



DIGITAL INDIA



THE NINE PILLARS OF DIGITAL INDIA

										
	AUTO SMS TO STUDENTS	AUTO EMAILS TO STUDENTS	ONLINE REGISTRATION APPLICATIONS	ONLINE EXAMINATION FORMS (O/A/B/C)	ONLINE EXAMINATION FORMS (BCC/CCC)	ONLINE FEES - PAYMENT GATEWAY	E-OFFICE - FILES CREATED	E-OFFICE - FILES TRANSACTED	ONLINE CERTIFICATES - DIGITALLY SIGNED	ONLINE TENDER NOTICES
Till Date	2398259	3506440	76695	149542	1072249	622892	361	5516	238874	272

REPOSITORY OF NIELIT ONLINE SERVICES

SOME NEW INITIATIVES TO SUPPORT 'DIGITAL INDIA'

- ▶ **ICT & Electronics Academy** is being setup in six states for knowledge enhancement and faculty development. NIELIT has been appointed as the PMU for the rollout of the programme.
- ▶ **Digital Marketing Course** is being launched for artisans, weavers and craftsmen of Rural India, which would help them to sell their products using e-Commerce platforms.
- ▶ DietY has approved the scheme for **Skill Development in ESDM for Digital India** at a total outlay of about Rs 411 crore, which would cover all States/UTs and thereby foster the creation of an ESDM ecosystem in the country. NIELIT has been appointed as the PMU for the rollout of the scheme.

FOR **FEEDBACK** AND **SUBSCRIPTION**, WRITE TO US AT:

Editor, NIELIT Newsletter, NIELIT,
Electronics Niketan, 6, CGO Complex,
New Delhi – 110 003
P: +91 – 11 2436 3257, F: 91 11 2436 3335,
E: newsletter@nielit.gov.in

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