



NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY (NIELIT)

An autonomous Scientific Society of Ministry of Electronics & Information Technology, Government of India

Quarterly Newsletter

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FROM THE DESK OF THE DIRECTOR GENERAL

Dear Readers

I am delighted to bring to you the current newsletter for the activities undertaken by NIELIT for the quarter ending September 2018. This newsletter brings out various initiatives and activities during the quarter under the able leadership of my predecessor, Shri Rajiv Kumar. NIELIT would like to place on record the immense contribution and services rendered by him and thank him for his guidance and mentorship of the organization.

As you are aware, NIELIT has been constantly striving to support building up 'Digital India' through its specialized services and plethora of formal and non-formal courses in the area of Electronics & Information Communication Technology (E&ICT), which covers a wide geographical span across the country. During the last quarter NIELIT has further strengthened its delivery system in North East with laying of foundation stones of permanent campuses of NIELIT Centres in **Gangtok, Guwahati, Lunglei** and **Shillong**. These were formally undertaken during the launch of Digital North East Vision 2022 by the Hon'ble Union Minister of Electronics and Information Technology and Law and Justice, Shri Ravi Shankar Prasad in the presence of Chief Ministers of Assam, Meghalaya, and other dignitaries on 11th August, 2018.

The Digital North East Vision 2022 envisioned as an integral part of Digital India emphasizes on leveraging the digital technologies to transform lives of people in the North East region through eight key digital thrust areas (highlighted at back cover). NIELIT has also been actively engaged and been effectively contributing in these areas.

To further strengthen our Pan India presence, the foundation stone for a permanent campus in Buxar, Bihar was laid by the Hon'ble Union Minister of E&IT and L&J Sh. Ravi Shankar Prasad, in the august presence of Hon'ble Dy. CM, Bihar, Shri Sushil Kumar Modi and Hon'ble MoS, MoH&FW Shri Ashwini Kumar Choubey.

Besides coverage of these major events, this issue presents the multifarious activities undertaken by various NIELIT centres. These include Workshops, DoNER Sponsored Project, Job Fairs, Embedded System based Projects, Suryamitra Project, PRSG Meeting of NECB project etc. The issue also brings out a special focus on NIELIT centre in Jammu & Kashmir.

NIELIT aspires to continue on its mission of nation building through its IECT training and skilling activities with special focus on employability of the trainees. I take this opportunity to seek your continued support in making NIELIT an important institution in its mandated field.



HON'BLE MINISTER LAUNCHES 'DIGITAL NORTH EAST VISION 2022'



Hon'ble Union Minister of E&IT and L&J, Shri Ravi Shankar Prasad and Hon'ble Chief Minister of Assam, Shri Sarbananda Sonowal laying the foundation stone of NIELIT's permanent campus at Guwahati, Assam.

The Hon'ble Union Minister for Electronics & Information Technology and Law & Justice, Shri Ravi Shankar Prasad on 11th August, 2018 released the 'Digital North East: Vision 2022' document at Guwahati, in the august presence of the Hon'ble Chief Ministers of Assam, Meghalaya and Tripura; Hon'ble IT Ministers of Assam and Meghalaya; Hon'ble Health Minister of Sikkim; Hon'ble PHE Minister of Nagaland and other eminent dignitaries from North Eastern states. The then Director General, NIELIT, Shri Rajiv Kumar, Directors of all NIELIT Centres of North-Eastern region and other seniors Officers of NIELIT HQ and MeitY also attended the event. Vision 2022 is an ambitious futuristic document aiming at leveraging digital technologies to transform lives of people of the North East and enhancing the ease of living of north-eastern people by bridging the digital divide.



Foundation Stone laying of NIELIT's permanent campus at Shillong, Meghalaya by Hon'ble Union Minister of E&IT and L&J, Shri Ravi Shankar Prasad and Hon'ble Chief Minister of Meghalaya, Shri Conrad Kongkal Sangma



Hon'ble Union Minister of E&IT and L&J, Shri Ravi Shankar Prasad and Shri A K Ghatani, Hon'ble Minister for Health Care, Human Services and Family Welfare, Information and Public Relations and Printings Department, Govt. of Sikkim laying the foundation stone of NIELIT's permanent campus in Gangtok, Sikkim. Shri Ajay Prakash Sawhney, Secretary, MeitY was also present.

As part of the 'Digital North East: Vision 2022', it was announced that a cloud hub for North East will be created at Guwahati. Capacity building for 50,000 State Government employees will be taken up in digital technologies including GST and digital payments etc. The number of seats planned for BPOs in NE States will be doubled from 5,000 to 10,000. Network of Common Service Centres (CSCs) will be expanded to cover all villages. High speed broadband connectivity to all Gram Panchayats or equivalent bodies and mobile connectivity in all uncovered villages in the North Eastern Region will be provided.

During the event for release of Digital North East Vision 2022, several projects were launched covering all North East States. Foundation stone was laid for four NIELIT permanent centres at **Guwahati, Shillong, Lunglei and Gangtok** by the Hon'ble MoE&IT, Govt. of India in august presence of Hon'ble Chief Ministers/ Ministers of the respective states. **The event was organised at Guwahati by NIELIT Guwahati team under supervision of MeitY and NIELIT HQ.**



HON'BLE MINISTER LAYS FOUNDATION OF NIELIT EXTENSION CENTRE AT BUXAR, BIHAR



On September 13, 2018, Shri Ravi Shankar Prasad, Hon'ble Minister of MEIT & L&J, laid the foundation of the Extension Centre of NIELIT to be built at the ground of I.T.I., Buxar in presence of Shri Nitish Kumar, Hon'ble Chief Minister, Bihar; Shri Sushil Kumar Modi, Hon'ble Deputy Chief Minister, Bihar, Shri Ashwini Kumar Choubey Minister of State for Health and Family Welfare, Govt. of India and Dr Jaideep Kumar Mishra, Director General, NIELIT besides other dignitaries.

The construction of the Extension Centre at the ground of ITI Buxar would have

state of the art infrastructure with latest smart class rooms and Labs, with a built-up area of approx 1000 Sq.M. Government of Bihar has provided one acre of land for establishment of the NIELIT Extension Centre at Buxar which would train around 1155 students in various long and short term courses like 'O' level, CCC, BCC, Programing Languages, Multimedia etc in a period of 3 year of its establishment.



HON'BLE MINISTER VISITED NIELIT'S ADARSH COMPUTER SAKSHARTA KENDRA AT LAKHANPURA, BAKHTIYARPUR



Shri Ravi Shankar Prasad, Hon'ble MEIT & L&J visited the Facilitating Centre of NIELIT Patna, Adarsh Computer Saksharta Kendra Alawalpur, with Hon'ble Deputy CM of Bihar, Shri Sushil Kumar Modi, during inauguration of the DigiGaon initiative at village Alawalpur, Patna. Hon'ble Ministers appreciated the activities carried out by the Centre.

INDIA SKILLS EAST ZONE COMPETITION 2018, BHUBANESWAR

India Skills East Zone Competition is the part of Bihar Skill Development Programme, where participants harness their skills under the aegis of both state level experts and national level experts to participate in Regional Skills Competition then India Skills Competitions and eventually will represent



the country at Kazan in 2019. Mr. Aniket Kumar Pathak, a student of NIELIT Patna won Gold medal under the guidance of Mr. Sudhanshu Shekhar (senior

Project Associate), in trade ITSSB (IT Software for Business Solution) in East Zone at Regional Skills competition held in Bhubneswar, Odisha between 15 July, 2018 to 17 July, 2018.

SEMINAR ON "SKILL IN ELECTRONICS"



NIELIT Patna organised a Seminar-cum-awareness program on "Skill in Electronics" among the students of Patna at different Colleges, where demonstration was given to facilitate the participants towards lay out, build, test, troubleshoot, repair, and modify developmental and production electronic components, parts, equipment, and systems, such as knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.

Dr Jaideep Kumar Mishra, Joint Secretary, MeitY has taken over the post of Director General, NIELIT, (Additional Charge) with effect from 20.08.18. We, at NIELIT hope that his able guidance will take the organization to greater heights.



NIELIT AURANGABAD FOUNDATION DAY

On 20th September 2018, NIELIT Aurangabad celebrated its 31st Foundation Day with much fanfare. Dr Jaideep Kumar Mishra, Director General NIELIT and Joint Secretary, MeitY graced the occasion as the Chief Guest. Professor B A Chopade, Hon'ble Vice Chancellor of Dr. BAM University and Shri Prasad Kokil, President, CMAI were also present as Guest of Honour. During the event, Alumni of the Centre were facilitated and meritorious students were awarded. Director General, NIELIT motivated and encouraged the students. Various cultural programmes were organized by the students.



Dr Jaideep Kumar Mishra, Director General NIELIT and Joint Secretary, MeitY delivering the keynote address



NIELIT CALICUT

WORKSHOP ON ENTREPRENEURSHIP IN DATA SCIENCE



NIELIT Calicut in association with IEEE Malabar Subsection conducted a Technical Talk on Entrepreneurship in Data Science on 06th July, 2018. Mr Arjun Hari (IIM-K Alumnus, Co Founder and CEO, WudiDatatech Private Limited) was the Speaker. The workshop covered topics like Entrepreneurship in Data Science, Analytics etc.

MODEL CAREER CENTRE

Model Career Centre (A project of Ministry of Labour & Employment, Govt. of India) at NIELIT Calicut, organized a Workshop on Communication Skills on 15th-16th September, 2018, with the technical support of the IEEE Malabar Subsection. The workshop covered topics like, dealing with mother tongue influence (MTI), phonetics, tone/ voice Modulation, verbal etiquette, effective Body language, improving communication skills, improving reading, writing & listening skills, writing effective CVs, executive vocabulary practices, presenting oneself during Interviews etc. The workshop was attended by 81 participants.





EMBEDDED SYSTEM BASED PROJECTS

Embedded System Group of NIELIT Calicut has successfully completed 29th Batch of PG Diploma Course in Embedded System Design on 10th August 2018. The participants of this program have developed following innovative projects in Embedded Systems and exhibited live demo of these projects on 9th and 10th February 2018.

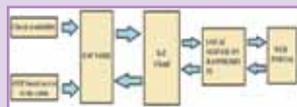
Energy Efficient WSN for Power Management :

This project presents a low cost and flexible electrical devices monitoring and control system. It employs an embedded micro – web server in Node MCU, with IP connectivity for accessing and controlling the home appliances remotely. These devices can be controlled through a web application or via a web page.



The system does not require a dedicated Servers & PC etc. and offers a novel communication protocol to monitor and control the home environment with more than just the switching functionality.

Smart Cabin : Most of the time in offices, people find it very difficult to meet an official due to some reasons like the officials unavailability, due to rush or may be because the official is attending an important meeting. So, people have to wait for a long time until the official is free to meet. Even though most



of the offices provide a log register as well as a token system, people are still feeling inconvenience to meet the desired official. The SMART CABIN project solves these issues with a Visitor Management System. This project is a demonstration of a single model of smart cabin. The system uses Kiosk placed at the entrance of the office which can be used to check the availability of the concerned official. The availability of the concerned official is monitored using embedded system fitted with the chair in the cabin. If the official is available in the cabin and seated then the visitor can submit a request for appointment. The request will be forwarded to the concerned official and he/she can provide an OTP based authentication facility to the visitor if he desires to meet. Once the visitor receives the OTP, it can be used for unlocking the door by visiting the cabin area. This system is able to provide security and OTP based authentication with time limit for usage.

Transformer Health Monitoring : Transformers are an important part of the power distribution system. As a large number of transformers are distributed over a wide area in present electric systems, it is difficult to monitor the condition of every single transformer manually. The Transformer Health Monitoring System is designed to measure the transformer's parameters like Oil level and Temperature using non-invasive technique. The embedded device attached to the Transformer collects this information and continuously transmits to the remote server through Wi-Fi connectivity. By using this system, authorities at remote office locations can identify transformer condition and take necessary actions.



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COURSE ON ARTIFICIAL INTELLIGENCE

NIELIT Calicut successfully completed the first batch of the Advanced Diploma in Artificial Intelligence course. The participants were fresh B. Tech graduates and industry participants from all over India. The three months intensive training covered concepts and tools of Artificial Intelligence based product development including machine learning, deep learning, reinforcement learning, natural language processing, computer vision, etc.

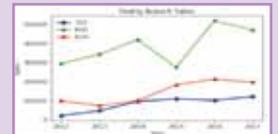


ARTIFICIAL INTELLIGENCE BASED PROJECTS

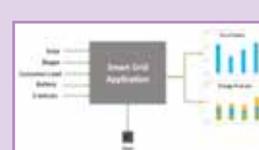
The participants of the Artificial Intelligence Programme developed following innovative projects in Artificial Intelligence.

Prediction of Sales and KPI of Staff Members:

The objective of the project was to predict the sales and Key Performance Indices of the sales persons based on historical data collected from past 5 years. The sales data from a company from middle-east was used to do the predictions based on machine learning. The model is further being enhanced to help the company increase their revenue.



Communication Intelligence in Smart Grids :



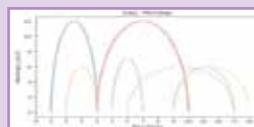
The goal of the project was to establish a comprehensive communication methodology between the load side and the production side from the point of view of an energy distribution network operator of a region, which balances the load on demand side and the production on the supply side using Machine Learning.

Predicting Sales Prices of Houses : Home buyers describe their dream house based on varied number of parameters including height of the basement ceiling, the proximity to railroad etc. The objective of the project was to develop a machine learning model using 79 explanatory variables describing every aspect of a residential home. The dataset from Ames, Iowa was used to predict the final price of each home.



Machine Learning Based Air Quality Index (AQI) Forecasting Model :

Dataset related to the various parameters including NO₂, SO₂, etc. responsible for air pollution and the corresponding dates from 1991-2018 and regions were used to develop the model. The model can forecast the Air Quality Index of the regions.



Analysis, Visualization and Prediction of KSRTC Passenger Flow :

The aim of the project was to optimize the routes and trips of Kerala State Road Transport Corporation by analyzing and visualizing the data received from Bus Ticket Machines. Predicting the future passenger flow using machine learning will help KSRTC in planning and optimizing their routes and trips.





WORKSHOP ON SOFT SKILLS

The Model Career Centre at NIELIT Calicut conducted a Workshop on soft skills on 28-29th July 2018 at NIELIT Calicut in technical collaboration with IEEE Malabar Subsection. Shri Pratap Kumar S, Scientist 'E' welcomed the Resource person, Ms. Sangeetha Panicker and the participants to the workshop. Dr. M P Pillai, Executive Director, NIELIT Calicut delivered the key note address. Mr. Avinash, Chair, IEEE NIELIT SB delivered the vote of thanks. 84 students representing institutions like NIT Calicut, Central University of Kerala, College of



Engineering Aranmula, LBS ITW Trivandrum; EKC TC Manjeri, GEC Palakkad; LBS Kasaragod, KMCT CE, Kozhikode; NUIPL Calicut; NSS CE Palakkad, Pondicherry University; SIMET Palakkad and NIELIT Calicut got benefitted from the workshop. Topics like etiquettes, values and ethics, effective interpersonal skills, team skills etc. were covered in the two days session. The sessions were interactive and other activities were organized on the above mentioned topics.

SOCIAL RESPONSIBILITY – SUPPORT TO FLOOD RELIEF CAMPS

An extraordinary southwest monsoon in Kerala had unleashed floods and landslides in the state, the magnitude of which has rarely been observed in recent memory. NIELIT Calicut and the state administration along with the armed forces worked hand-in-hand across all 14 districts, to rescue thousands of people stranded in their homes. NIELIT Calicut handed over the relief material collected from the students and employees organized by the NIELIT Calicut RC at two Relief Camps at Puthupadi. The relief material was handed over to the inmates of the relief camp in the presence of the Thiruvambady MLA, Shri George M Thomas, by Shri. M P Pillai, Executive Director, NIELIT Calicut.



NIELIT CHANDIGARH

SIGNING OF MoU WITH PTU

NIELIT Chandigarh signed an MoU with Punjab Technical University(PTU) for imparting training to the students of all PTU affiliated colleges under Employability Enhancement Training Programme. Shri Rajiv Kumar, the then Director General, NIELIT graced the occasion and signed the MoU on behalf of NIELIT and Vice Chancellor, PTU signed on behalf of PTU.



INDUSTRIAL VISIT BY ENGINEERING COLLEGES

NIELIT Chandigarh campus is regularly visited by students from near by Engineering Colleges. In this regard, 60 students of Chandigarh College visited the campus during last quarter. Another 40 students of third year B.Tech (CSE) of CGC College of Engineering and 40 Electronics students of Government Polytechnic Ambala visited the Centre on 20th and 27th August, 2018 respectively. The students were provided lecture in the areas of IoT, Big Data, Python & Machine Learning and Cyber Security by Mr. Raminder Singh, Dr. Sarwan Singh and Ms. Anita Budhiraja.



PYTHON PROGRAMMING



A new course on Python with Data Science and Machine Learning concluded in July for the second year and third year students of B. Tech. Around 80 students from various IITs, NITs, Government and private engineering colleges were trained in the emerging technology in two batches conducted by Ms Anita Budhiraja and Dr Sarwan Singh of NIELIT Chandigarh.



SKILL DEVELOPMENT FOR STATE BANK OF INDIA

A one week (full day) course in Advance DotNet Web Development was conducted for 10 senior IT professionals of State Bank of India. The course was conducted by Ms Anita Budhiraja and Ms Rashmi Aggarwal.



INTERNAL CAPACITY BUILDING



A lecture on 'Introduction to Kotlin in Mobile Development' by Ms. Rashmi Aggarwal on 14th August, 2018 and a lecture on 'Web Services in Java' by Ms. Swapnali Naik on 27th August, 2018 was organised for the technical staff of the Centre.

COUNSELLING PROJECT FOR CHANDIGARH ADMINISTRATION



Fully Online Counselling Project of UT Education Department, Chandigarh was launched and successfully implemented by NIELIT Chandigarh. The project was totally paperless and

3 rounds of counselling were done in July, 2018 and August, 2018 wherein approximately 15,000 students were given admission in 40 government schools of Chandigarh in 10+1. It was conducted under supervision of Dr. Manish Arora.

POLYTECHNIC TEACHERS SESSIONS ORIENTATION

Under aegis of Haryana State Board of Technical Education (HSBTE), orientation sessions were undertaken for the new curriculum of "Internet of Things and Artificial Intelligence"



Introduced in the colleges. Teachers from all the polytechnics of Haryana attended the session.

NIELIT DELHI

हिन्दी पखवाड़ा

नाइलिट दिल्ली केंद्र में दिनांक 12-20 सितम्बर 2018 तक 'हिन्दी दिवस' व 'हिन्दी पखवाड़ा' मनाया गया। दिनांक 12 सितम्बर 2018 को इस समारोह का शुभारंभ कर हिन्दी ज्ञान प्रतियोगिता



का आयोजन किया गया। दिनांक, 13 सितम्बर, 2018 को 'हिन्दी चित्र आधारित कहानी प्रतियोगिता' तथा 14 सितम्बर, 2018 को 'कविता पाठ प्रतियोगिता' आयोजित की गई। सभी प्रतियोगिताओं में समस्त अधिकारियों/कर्मचारियों ने बढ़ चढ़ कर भाग लिया।

दिनांक 20 सितम्बर 2018 को हिन्दी पखवाड़ा समापन एवं पुरस्कार वितरण समारोह का आयोजन किया गया। प्रतियोगिता वर्ग में प्रथम, द्वितीय, तृतीय स्थान पर आने वाले सभी विजेताओं



को पुरस्कार राशि प्रदान की गई एवं प्रशंसा पत्र भी प्रदान किए गए। उपस्थित अधिकारियों द्वारा खुला मंच के अंतर्गत गीत एवं कविताएं भी सुनाई गई। तत्पश्चात

प्रभारी निदेशक, दिल्ली केंद्र द्वारा सभी अधिकारियों/कर्मचारियों को संबोधित किया गया तथा हिन्दी में काम करने के लिए प्रेरित किया गया। अंत में संयुक्त निदेशक तथा नामित राजभाषा अधिकारी श्रीमती अल्पना अग्रवाल द्वारा सभी का धन्यवाद किया गया।

TRAINING OF DIRECTORATE GENERAL OF RESETTLEMENT

The Directorate General Resettlement (DGR) is an inter service organization functioning directly under Department of Ex-serviceman Welfare, Ministry of Defence. DGR assists Ex-Serviceman to train and acquire additional skills and facilitate their resettlement through a second career. NIELIT Delhi centre has successfully completed two



batches of training of "CHM O" Level and NIELIT "CERTIFIED MULTIMEDIA DEVELOPER COURSES", sponsored by Directorate General Resettlement. The centralized examination and practicals were successfully conducted. Shri Shameem Khan, Director In charge awarded participation Certificates to all candidates and felicitated them for the successful completion of their training.

CONDUCT OF FACT AND FACT PLUS EXAMINATIONS FOR NICFS

NIELIT Delhi Centre has successfully conducted the Forensic Aptitude and Caliber Test (FACT) 2018 and FACT Plus 2018 Examinations for LNIN National Institute of Criminology and Forensic Sciences, Ministry of Home Affairs, Govt. of India on 23rd September 2018. The examination was conducted in Online mode at 17 Examination Centres in 13 cities across India.



NIELIT GANGTOK

E-WASTE MANAGEMENT

NIELIT Gangtok in association with Sikkim State Pollution Control Board (SPCB) under Forest, Environment and Wildlife Management Department, Government of Sikkim conducted 3-Days training program on e-Waste Management and Disposal for the officials of Sikkim Government during 18th–20th July, 2018 at the premises of NIELIT, Gangtok at Sichey, Gangtok. The training was conducted under the project sponsored by Ministry of Electronics & IT (MeitY), Govt. of India titled **“Capacity Building of Govt employees through 1/3 Day Training Program under Digital India”**.

Shri Gopal Pradhan, Principal Scientist and Shri B. K. Chetty, Senior Scientific Officer of Sikkim State Pollution Control Board, Shri Rajendra Chetty, Additional Director, Department of Information Technology, Govt of Sikkim and officials from NIELIT-Gangtok were present during the inauguration session. The training program was attended by 45 officials of Sikkim Government representing over 20 different Government departments.



Shri Gopal Pradhan, Principal Scientist, Sikkim State Pollution Control Board (SPCB), Govt. of Sikkim addressing the participants

The 3 Days training program covered topics such as overview of e-waste, composition of e-waste, hazardous substances in e-waste, environmental safety and health hazards of e-waste, Restriction of Hazardous Substances (RoHS), e-waste rules and the responsibilities of various stakeholders such as the individual consumers and the bulk consumers etc.

DoNER SPONSORED PROJECT



State Government Officials during the training session

NIELIT Gangtok has conducted Seven (07) batches of training under DoNER sponsored project for training State Govt. personnel on “IT and Digital Services (including Digital Payments and GST)”. 162 employees were nominated by Rural Management and Development Department (RMDD), Govt. of Sikkim for the 14 days training program at NIELIT Gangtok office in Sichey, Gangtok. It is planned to train 667 nos. of Sikkim Government employees under the above initiative over a period of 3 years.

NIELIT GORAKHPUR

WORKSHOP ON NSQF ACCREDITATION SCHEME

NSQF accreditation scheme has been recently launched by NIELIT to grant accreditation to institutes for its 44 NSQF aligned courses to meet the objectives of Skill India Mission and improve the quality of Skill Education in the country and matching it with the International Standards. A workshop has been organized by NIELIT Gorakhpur on 1st July, 2018 at Lucknow to spread awareness about the NSQF and NIELIT’s NSQF accreditation scheme in the state of Uttar Pradesh and provide accreditation to Institutes/ colleges / organizations in the state. The workshop was attended by over 161 participants from various NIELIT Accredited Institutes, NCPUL Centres, Colleges & other Organizations and 16 applications were received on-the-spot for accreditation at the workshop and so far 47 institutes have been granted accreditation in the state of Uttar Pradesh.



Left to Right: Shri S. Mallikarjun(Sc-C NIELIT ,Gorakhpur); Sh. Anurag Shah, CoE, NIELIT HQ; Dr. D.K.Mishra, Director I/C, Extension Centre Lucknow; Dr. A.K.D.Dwivedi, Executive Director, NIELIT Gorakhpur; Sh. Anurag Kumar, Director I/C, NIELIT Haridwar; Sh Rajneesh Asthana, Joint Director, NIELIT Delhi and Sh. Prashant Gupta, Dy. Director (T), NIELIT Gorakhpur

Dr. A.K.D.Dwivedi, Executive Director, NIELIT Gorakhpur; Dr. D.K.Mishra, Director I/C, Extension Centre Lucknow; Shri Anurag Kumar, Director I/C, NIELIT Haridwar and other senior officers of NIELIT Gorakhpur and HQ were present in the workshop. To achieve objectives of Skill India Mission, NIELIT have aligned 75 Skill Development Courses in Electronics (43) and Information Technology (32) areas under National Skills Qualifications Framework (NSQF) ranging from Level 2 to Level 8.



NIELIT GUWAHATI

6TH PRSG MEETING OF NORTH EAST CAPACITY BUILDING (NECB) PROJECT

The 6th PRSG (Project Review Steering Group) meeting of North East Capacity Building Project funded by Ministry of Electronics and Information Technology (MeitY) was held on 24th August, 2018 in Guwahati under the Chairmanship of Dr Jaideep Kumar Mishra, Joint Secretary, MeitY, Govt. of India.

The meeting was attended by Shri A. K. Pipal, Director, HoD (Human Resource Development Division), MeitY along with Shri T.P. Singh, Executive Director, NIELIT Imphal; Shri K. Baruah, Director, NIELIT Guwahati; the Director in-charges of the NIELIT Centres of North East India and the Head of Technical Wing, NIELIT HQ, Smt. Chetna Singh Rathor; the Head of Building Projects Division, NIELIT HQ, Shri Sandeep Kumar Ahlawat. The meeting was also attended by Senior Officials from IT Department of Govt. of Assam and Meghalaya, MeitY, Govt. of India, NIELIT HQ and NIELIT Centres of NER. A Power Point Presentation on the overall construction / renovation status, financial and academic status of different NIELIT Centres across NE Region was given by Sri K. Baruah, Chief Investigator



of the Project, while the ED, NIELIT Imphal and all the Director I/c's of rest of the NER NIELIT Centres made presentations on the Centre wise academic & physical performance and status. Members from the PMCs namely NPCC, HSCL & NBCC were also present in the meeting and answered different queries from the PRSG Chairman and the members.

DoNER SPONSORED CAPACITY BUILDING PROJECT



The Ministry of DoNER, Govt. of India has entrusted NIELIT with the responsibility to train 10,000 nos. of state Govt. employees in the North Eastern Region (NER) during 2018 in "Information Technology & in Digital Services". Under NIELIT Guwahati with operational control of the State of Assam and having 7 (Seven) Centres / Extension Centres across the state, the training target

for the year 2018 is 6837 State Govt. officials. This project has made all the Centres and EC's of NIELIT Guwahati fully occupied with training activities since 22nd January, 2018. The training is organized in batches at these locations simultaneously as per training calendar upto December, 2018. Till 15th September, 2018, NIELIT Guwahati and its extension centres have trained 3,853 (57% of target for 2018) Assam Government Employees.

In order to achieve the target, NIELIT Guwahati has recently started training in 05 (five) nos. additional locations by hiring training infrastructure at viz. Silapathar (Dhemaji District), Biswanath Chariali (Biswanath District), Dhubri (Dhubri District), Barpeta (Barpeta District) & Sivasagar (Sivasagar District). In these hired locations, the training is imparted by NIELIT Faculties under supervision of the nearest EC of NIELIT Guwahati.

TRAINING ON LINUX, APACHE, MYSQL, PHP (LAMP) AT NIELIT JORHAT

A two (2) weeks / 10 days training program of 50 (fifty) hours duration on "LAMP" was conducted at NIELIT Guwahati Jorhat EC from 30th July, 2018 to 10th Aug, 2018 for personnel of Indian Air Force. The program was attended by 20 personnel of Air Force from different states. The nomination was provided by Air Force Station Jorhat. The training program was conducted by faculties of Jorhat EC under supervision of Sri P.K. Tamooli, EC In-charge, Jorhat.



SKILL DEVELOPMENT FOR AIR FORCE



A five (05) days / 20 hours duration training program on Office Automation was conducted for civilian staff of Air Force Station, Jorhat at Jorhat EC of NIELIT Guwahati.

The first batch of eight (08) trainees was trained from 17-22 September, 2018. This program was conducted as a part of the effort to upgrade the employees so that they can provide a helping hand in day to day activities of their office.

EXPOSURE PROGRAM FOR STUDENTS

A team of 29 students along with 02 teachers from Lahing Higher Secondary School, Jorhat Assam visited Jorhat EC of NIELIT Guwahati on 27th August, 2018 for an "Exposure visit" on current Technology



in IT and Electronics etc. The students were given insight on computer hardware, PCB simulation along with a soft skill class. This program is a Govt. of Assam initiative with the association of RMSA (Rastriya Madhyamik Shiksha Abhiyan) to provide first hand exposure on technology sector in India to the students of Higher Secondary Schools from backward places.



NIELIT Srinagar

NIELIT Srinagar was set up in 1982 by Ministry of Electronics and Information Technology, (MeitY), Govt. of India in the industrial Electronics Complex, Rangreth, Srinagar. Now, the Centre is located in the Industrial Electronics Complex, Rangreth on a 7.5 acre picturesque campus with a built-up area of over 60,000 Sq. ft. The Centre conducts both formal like MCA, M.Sc.IT etc. and non-formal courses approved by AICTE-MHRD like O/A/B Level courses in IT and practical oriented short-term training programs for skill enhancement of students and professionals. The centre is affiliated to University of Kashmir for MCA course which is approved by All India Council for Technical Education(AICTE). The Centre has emerged as a front-runner consultancy organization and has been designated as IT advisor to the Govt. of J&K in the implementation of e-Governance project.

website: www.nielit.gov.in/srinagar



NIELIT Srinagar

NIELIT Leh

NIELIT Leh was established in 2013 in a built-up area of over 15,000 Sq. ft. The Centre is conducting IT O level course and various short term courses like Web designing, PC Hardware and maintenance, C++, CCCA, CCA, etc.

website: www.nielit.gov.in/leh



NIELIT Leh

COURSES OFFERED

SHORT TERM COURSES:

- ◆ BCC, CCC, CCNA (Cisco) & CCNP(Cisco) programs
- ◆ Certificate courses in Office Automation, Soft Skill & Communicative English, Financial Accounting using Tally, Desktop Publishing, Information Security & Cyber Law, Core Java, Oracle, SQL and PL/SQL, PC Hardware & Networking, Advance Web Development using PHP, Mobile Repairing & Maintenance, Assembly & Maintenance of PCs under ESDM.
- ◆ Diploma in Computer Application & N/W Administration; Diploma in Repair & Maintenance of Medical Electronics Equipment

LONG TERM COURSES:

- ◆ MCA and MSc (IT) in affiliation with Kashmir University
- ◆ 'O' Level, 'A' Level (in IT)
- ◆ CHM 'O' and 'A' Level (in IT)
- ◆ MAT 'O' Level

AREAS OF EXCELLENCE

- ◆ Cyber Security
- ◆ Repair and Maintenance of Bio-medical Equipment
- ◆ Information Security

e-LEARNING TRAINING AT DISTRICT LEVEL

NIELIT Srinagar is conducting training of 14265 Govt. Teachers of High Schools and Higher Secondary Schools in the Srinagar State. The training Commenced on 22nd Jan 2018. NIELIT Srinagar has been in MoU with Rashtriya Madyamik Shiksha Abhiyaan (RMSA) - Srinagar and Sarv Shiksha Abhiyaan (SSA)-Srinagar for implementing Smart Class Technology across J&K. This is a District Level training program which is being conducted across all 22 Districts of Srinagar. Till now NIELIT Srinagar has completed approximately 75% of the target. NIELIT Srinagar plays a significant role in creating an e-learning environment in the State.



ESDM WORKSHOP HELD AT NIELIT SRINAGAR

ESDM Workshop was conducted at NIELIT Srinagar on 6th of September, 2018. The main objective of the workshop was to interact with the ESDM Accredited centres and help them to understand about the registration cum examination process. The workshop was attended by 25 ESDM Accredited centres of Kashmir Province. At the end of the day participation certificates were issued to the candidates.



COURSE IN DIGITAL SIGNAL PROCESSING USING MATLAB

NIELIT Jammu introduced a one month course from 18th June to 27th July, 2018 on Digital Signal Processing using MATLAB for the students of Electronics Department of Jammu University. The course establishes a firm base for the students who are willing to use MATLAB as a problem solving tool.





NIELIT Jammu

NIELIT Jammu

NIELIT Jammu commenced its activities in the year 1990 and it is now operational from New Campus of the University of Jammu with state-of-the-art training facilities. NIELIT Jammu conducts multifarious activities in the area of training, consultancy, design & product development. NIELIT Jammu Centre undertakes various long term courses such as IT O/A/ Level, CHM-O/A Level, MAT O level etc. Apart from these, the Centre also conducts numerous short term courses such as Python, Certification in Programming languages in JAVA, Certification in Programming languages in .NET, Geographical Information System (GIS) using Map Info, Bio-Medical Equipment Repair, CISCO Certified Network Associate, (CCNA) Embedded System Design etc.

website: www.nielit.gov.in/jammu

HIGHLIGHTS & ACHIEVEMENTS

- NIELIT Srinagar is the winner of first 'Siksha Ratna Award 2010' for its role in spreading IT literacy in Srinagar State.
- **Capacity Building Award in ICT for NIELIT Srinagar:** NIELIT Srinagar was awarded by the Hon'ble Chief Minister of Srinagar State for Capacity Building in ICT for the year 2013 at e-Governance Exchange Forum, in presence of Dr. (Smt) Killi Kruparani, Union MoS (C&IT) and Sh. Feroze Ahmad Khan, IT Minister of J&K on 23rd May 2013.
- **Establishment of Sub-Centre Leh in the highest inhabited Plateau:** NIELIT signed an agreement with LAHDC Leh, for establishing NIELIT Sub-Centre Leh. The sub-centre has started functioning since November 2013.
- **Computer based assessment test for recruitment:** Computer based assessment test of over 1,10,000 candidates was conducted at Srinagar and Jammu for recruitment of different posts advertised by J&K Govt.
- **Digitization of Agri-Census records & J&K Artifacts:** Digitized 5 lac Agri-Census records of Department of Agri Census, Govt. of J&K. Similarly, documentation of Artifacts of School of Design (phase-2), Department of Handicrafts, Govt. of J&K was also completed.
- **Development of IGNOAPS web application:** Developed & hosted a web application namely "Indira Gandhi National Old Age Pension Scheme (IGNOAPS)" for Social Welfare Department, Govt. of J&K.
- **Implementation of Campus Area Network (CAN) of SMHS Hospital Srinagar the 2nd largest network in J&K State:** Implemented over 250 node Campus Area Network (CAN) of SMHS Hospital Srinagar, Govt. of J&K with Optical Fibre backbone connectivity among different departments.
- **Expansion of Wi-Fi Network:** Implemented expansion of Wireless network of Department of Information, Govt. of J&K along with Central Library at Govt. Medical College, Srinagar.
- **Establishment of Smart Class Room:** NIELIT has successfully implemented a project on Establishment of smart class room with Computer Lab in 440 schools of J&K State. In the Phase-II of the project, NIELIT shall be covering another 600 schools during 2016-17. As part of the project, NIELIT undertook Capacity building of over 19,000 Teachers in the usage of Smart Class room Technologies.

ACCREDITED TRAINING PARTNERS UNDER NIELIT SRINAGAR, JAMMU & LEH

O LEVEL (IT)	A LEVEL (IT)	B LEVEL (IT)	CHM-O LEVEL
60	5	2	21

TRAINING OF DIRECTORATE GENERAL OF RESETTLEMENT (DGR)

NIELIT Jammu is conducting training for JCOs/OR. These candidates are sponsored by Directorate General of Resettlement. The training covers aspects of Computer Hardware Maintenance under CHM-O level which is a long term course of 400 hours duration and is aligned with NSQF Level 5.





NIELIT IMPHAL

CAPACITY BUILDING IN GST

Shri Y. Indrakumar, Assistant Commissioner of Taxes, Govt. of Manipur conducted a special class on GST on 5th July, 2018 at NIELIT Imphal for employees of NIELIT. NIELIT Senapati, Churachandpur extension centre, NILEIT Itanagar and NIELIT Aizwal also attended the class through Video Conferencing.



NEW NIELIT STUDY CENTRE AT CHANDEL

Shri Krishna Kumar, IAS, Deputy Commissioner (DC), Chandel District, Manipur; Shri Kh. Rajen Singh, SIO, NIC, Manipur; Shri Kamei Angam Romanus, IPS, SP Chandel District, Manipur and Shri Th. Prameshwor Singh, ED, NIELIT Imphal graced the Inaugural function of NIELIT Study Centre, Chandel on 7th September, 2018.



PLACEMENT DRIVE AT MCC IMPHAL



Model Career Centre (MCC), NIELIT Imphal, organized a placement drive for Suzuki Motor Kolkata on 6th July 2018. A total of 26 candidates participated in the placement drive.

Out of the total candidates participated, 13 candidates were shortlisted and given offer letter. Candidates for various ITI trades such as Fitter, Turner, Motor Mechanic, Welder, Painter (General), Electrician, Tool & Die Maker, Plastic Process Operator, Machinist, Tractor Mechanic, COE (Automobile), Diesel Mechanic were recruited.

A CAREER COUNSELING SESSION



Shri Jogesh Jain, Author, Trainer and Founder of J. J. School of Employability, Shri Shyamananda Sapam, Career Counsellor, Lamjingba Meira and Shri T. Gunendra Singh, Scientist-E, NIELIT Imphal.

An interactive session on Career Counselling with the theme "Beyond the College Degree, 12 Golden Rules of Success" was organized at NIELIT Imphal on 14th September, 2018 in the presence of Shri. T. Gunendra Singh, Scientist-E, NIELIT Imphal; Shri Shyamananda

Sapam, Career Counsellor, Lamjingba Meira and Shri Jogesh Jain, Author, Trainer and Founder of J. J. School of Employability.

CAPACITY BUILDING FOR MANIPUR GOVT.

Shri T. Gunendra Singh, Addl. Director, NIELIT Imphal & Shri R. K. Bigensana Singh, Joint Director, NIELIT Imphal inaugurated the 15th batch of 14-Days Training Programme on "IT & Digital Services (including Digital Payment & GST)", sponsored by Ministry of DoNER, Govt. of India for the Personnel of Govt. of Manipur on 9th July, 2018 at NIELIT Imphal.



AFSTAR (AIR FORCE SCHEDULED TEST FOR AIRMEN RECRUITMENT) ONLINE EXAMINATION

NIELIT Imphal conducted AFSTAR (Air Force Scheduled Test for Airmen Recruitment) Online Examination from 15th to 16th of September 2018. The Examination was attended by a total of 558 candidates.



ONE-DAY MEGA JOB FAIR



Job-Seekers during the interview

NIELIT Imphal in collaboration with Ministry of Labour & Employment, Govt. of India organised one Day Mega Job Fair at NIELIT Imphal on 18th of August 2018. The opening

function was graced by Shri Kh Rajen, SIO, NIC Manipur, Shri Th. Surendranath Singh, Director, MASTEC, Manipur; Shri Ng. Ibothoi Singh, EO, Employment Exchange, Imphal West and Shri Th. Prameshwor Singh, Executive Director, NIELIT Imphal. 27 Private Sector Companies and about 500 Job seekers attended the event.

FREE EMPLOYABILITY TRAINING PROGRAMME



Free Employability Training Programme was organised by MCC, NIELIT Imphal under the Sponsorship of Tata Consultancy Services scheduled from 17th September, 2018 to 11th October, 2018. It

was inaugurated by Shri L. Brajamohon Singh, Sub-Regional Employment officer NCSC, for SC/ST of Imphal; Shri. T. Gunendra Singh, Scientist-E, NIELIT Imphal; Shri Sunil Barailly, Trainer, TCS and Shri H. Rajendra Singh, LIO, NIELIT Imphal. A total of 39 candidates enrolled in the training programme on the first day.

NIELIT KOHIMA

INTERNAL CAPACITY BUILDING

Master Training programme in "Android Developer Fundamentals" was imparted by Google at NIELIT Kohima during 25-29th June, 2018 in which 18 Officers from NIELIT Centres participated. This training programme was in accordance with the MoU signed between NIELIT and Google Inc, USA on 19.05.2017 for skilling NIELIT Officials on Android. Mr. Lalit Singh, Training Specialist, Google, New Delhi and Ms. Shaileen Kaur, Corporate Trainer, Koenig Solutions were the resource person of the programme.



Director I/c with the trainers and officers

INFORMATION SECURITY WORKSHOP



A glimpse of Information Security Workshop for students

NIELIT Kohima conducts continuous training and awareness workshops for students and government officials in line with the Information Security Education & Awareness (ISEA) Programme initiated by Government of India. A total of 117 officials and around 800 students and teachers from various districts of Nagaland have been trained so far.

WARM WELCOME TO FRESHERS AT NIELIT KOHIMA

NIELIT Kohima celebrated Freshers' Day on August 27, 2018, the senior students warmly welcomed the freshers with an entertaining cultural performance comprising of dances, humorous presentations, melodious songs, ending with the awarding of Mr. and Ms. Fresher 2018 title giving the new comers an opportunity to showcase their talents and uniting them through various events, creating an atmosphere of interaction between seniors and juniors. A motivating speech was also delivered by the Director I/c, Shri L. Lanuwabang, extending warm welcome and encouragement to the freshers to embrace the capacity building opportunity at NIELIT Kohima.



ANNUAL SPORTS MEET



Sports Meet is an essential component of co-curricular activities at NIELIT Kohima. Keeping this in view, the Annual Sports Meet in 2018 was held from August 30 to September 01, 2018 which witnessed students' participation in all sporting events displaying a spirit of fair sportsmanship and zeal. The list of events included racquet sports, athletics, football, volleyball, etc. Shri L. Lanuwabang, Director I/c inaugurated the meet and encouraged the students to enthusiastically participate in all the events with the spirit of healthy competition.



NIELIT KOLKATA

WORKSHOP ON DIGITIZATION SOFTWARE FOR AGRICULTURE CENSUS

NIELIT Kolkata conducted the first Agriculture Census 2015-16 workshop on Digitization Software in Tamil Nadu during 17th-20th July, 2018. The 2nd workshop was also conducted on digitization of Phase-II of Agriculture Census 2015-16 and Phase-III (Input Survey 2016-17) for the states namely Karnataka, Haryana, Dadra & Nagar Haveli, Daman & Diu, Goa, Gujarat, Uttar Pradesh, Uttarakhand, Maharashtra and Tamilnadu during August 27th-28th, 2018 at Goa International Centre, Goa. Maintaining the pace of the programme, a 2-day Regional Training Program was organized by the Govt. of West Bengal at Biswa Bangla Convention



Centre, Kolkata on Digitization of phase II of Agriculture Census 2015-16 and phase III (Input Survey 2016-17) during 17th-18th September, 2018 for the states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Rajasthan, Tripura, Sikkim and West Bengal.

6TH NATIONAL EXHIBITION CUM FAIR 2018



NIELIT Kolkata participated in the 6th National Exhibition Cum Fair 2018, organized by Bengal Human Resource Development Foundation, held at Kolkata during 26th-29th July, 2018. Various Ministries of Govt. of India participated in the fair. The event was inaugurated by Commodore J. Chowdhury, Indian Navy, in presence of Shri Sovandeb Chattopadhyay, Hon'ble Minister of Power, Government of West Bengal, along with other eminent dignitaries. Enthusiastic visitors including school students visited the exhibit put up by NIELIT Kolkata and were provided with information on UMANG and BHIM App. Smt. Shatabdi Roy, Member of Parliament, Govt. of

India, visited the NIELIT stall and interacted with NIELIT representatives.

CERTIFICATE DISTRIBUTION

Certificates were distributed to 35 successful candidates and demo was also given on IoT and PC maintenance in presence of Shri Debasis Sen, IAS, Additional Chief Secretary, Govt. of West Bengal at Bolpur IT Park Training Unit of NIELIT Kolkata on 03.08.2018. The available courses are offered on 75% discounted fees at Bolpur.



e-WASTE TRAINING AT WB POLLUTION CONTROL BOARD

One day training session on e-Waste was organised by West Bengal Pollution Control Board on 10th August, 2018. The dignitaries present in the program were Dr. Kalyan Rudra, Chairman, West Bengal Pollution Control Board, Shri Indevar Pandey, IAS, Additional Chief Secretary, Deptt. of Environment, GoWB among others. Shri Kalyan Baital, Scientist-C of NIELIT Kolkata delivered lectures as a Resource Person.



AWARENESS ON 'DIGILOCKER'



An awareness programme was organised by the Centre on 29th August, 2018 on DigiLocker, a service operated by the Government of India that enables Indian citizens to store certain official documents on the Cloud. The participants

of the programme created their DigiLocker accounts.

TRAINING ON NETWORK & SERVER ADMINISTRATION FOR KOLKATA POLICE

NIELIT Kolkata has started a customised training programme on Network and Server Administration (90 hours) specially designed for Kolkata Police. The course has started from 9th September, 2018.



हिंदी दिवस का महोत्सव



नाइलिट कोलकाता ने 14 सितंबर, 2018 को 'हिंदी दिवस' मनाया। उद्घाटन समारोह के बाद, प्रश्नोत्तरी, श्रुतलेखन, गाने, विलोम शब्द और कविता सस्वर पाठ पर संस्थान के कर्मचारियों और छात्रों के बीच प्रतियोगिता आयोजित की गई।

टोकन के रूप में पुरस्कार भी थे। यह कार्यक्रम हिंदी में अधिक काम के लिए उत्साह बढ़ाने के लिए आयोजित किया गया था।

SKILL DEVELOPMENT OF DGR (ARMY/NAVY/AIR FORCE)



Interaction Ceremony of Director and officers of NIELIT Kolkata with participants of Directorate General of Resettlement Training Program on CHM O Level for 20 Officials from Army/Navy/Air force of different Ranks was held on 30th August, 2018.

"SURYAMITRA" - SKILLING INDIA PROGRAM

NIELIT Kolkata is implementing the "Suryamitra" (Solar Technicians) programme, a Skilling India programme of Ministry of New and Renewable Energy MoN&RE, Govt. of India. In this regard, Dr. Y. Jayanta Singh, Director of the Centre attended a networking meeting held at the Office of MoN&RE under the chairmanship of Secretary, Ministry of New and Renewable Energy.



e-WASTE PROJECT PHASE II



NIELIT Kolkata is the Nodal centre for the project "Capacity Building of Government Employees on e-Waste Management through 1/3 Day Training Programme". The Centre is successfully implementing the e-Waste Training project in the states of Arunachal Pradesh, Chhattisgarh, Delhi, Gujarat, Punjab, Karnataka, Meghalaya, Mizoram and Nagaland along with support to other states of India.

NIELIT KOLKATA GOT AFFILIATED UNDER SKILL COUNCIL FOR GREEN JOBS



NIELIT LEH

ICT TRAINING AT NIELIT LEH



NIELIT Leh conducted ICT training for 35 Gazetted and 35 Non-Gazetted employees of Leh and Kargil district. The training program was inaugurated by Ms Avny Lavasa IAS DC Leh. The 5-days training program continued from 27th July to 31st July, 2018. The training was sponsored by Deptt. of IT, Govt. of J&K.



NIELIT RANCHI

FREE BOOK DISTRIBUTION TO SC/ST CANDIDATES

NIELIT Ranchi is conducting 11th Batch IT 'O' Level Course and 7th Batch CHM 'O' Level Course (Sponsored by Directorate General of Employment) for SC/ST jobseekers at the Centre using own resources. In this endeavour, NIELIT Ranchi distributed free books to the SC/ST jobseekers. The event was graced by Dr. Ranjit Kumar Mandal, Sub-Regional Employment Officer, National Career Service Centre for SC/ST, Ranchi, Shri Tapas Trivedy Director-In-Charge NIELIT Ranchi and other senior Officers of the Centre.



NIELIT ROPAR

AWARENESS SESSION FOR COLLEGE STUDENTS

The Government College Ropar invited Director-in-charge, NIELIT Ropar for an awareness session on training options available at NIELIT. Sh. Deepak Wasan, Director-in-charge addressed the students and shared his views on current trends in the industry and effectiveness of NIELIT programmes in the employability enhancement of the participants.



Director-in-charge, NIELIT Ropar addressing students of Govt. College Ropar

MoU WITH IET BHADDAL

In an initiative undertaken under the ambit of MoU signed by NIELIT with IET Bhaddal, NIELIT will train 438 students of 1st year B.Tech Course in 'Course on Computer Concepts (CCC) in 1st semester, and in 'Expert Computer Course (ECC) in 2nd Semester of B.Tech. Along with these, batches of Java, C/C++ and Android will also be started for BCA/MCA and B.Tech. Students.

MoU WITH RAYAT BAHRA GROUP OF INSTITUTES, ROPAR

An MoU was signed with Rayat Bahra Group of Institutes, Ropar under the Employment Enhancement Training Programme. The purpose of the MoU is to meet the requirements of Rayat Bahra Group of Institutes for skill development of students in the field of Information Technology and Electronics. NIELIT will also facilitate Rayat Bahra to run its NSQF aligned courses as a part of its B. Voc Programme and will conduct Summer & Industrial Training for their students.

NIELIT OFFERS NSQF ALIGNED COURSES IN PUNJAB

NIELIT Ropar has started the process of accreditation of institutes in the Punjab region for NIELIT NSQF aligned courses. Applications have been invited from interested institutes for becoming training partners for conducting NIELIT's NSQF aligned courses through publication of advertisements in the newspaper. Good response has been received so far for the same courses.

NIELIT SRINAGAR

NIELIT SRINAGAR DEVELOPED ROAD ACCIDENT DATA MANAGEMENT SYSTEM (RADMS)

J&K became the third State in the country to move to the automated Road Accident Data Management System (RADMS). RADMS software has been developed with a view to create a platform for on-the-spot collection of standard and accurate road accident data, soon after an accident. RADMS will be tremendously helpful for policy makers and Governmental executing agencies, be it municipal bodies, road construction agencies, traffic and transport departments, towards mitigation of Road Safety related problems in J&K. RADMS was developed by NIELIT Srinagar in accordance with the standardized format of the Indian Road Congress. RADMS is a Geographical Information System (GIS) based solution for identification of black spots, wrong driving practice, road infrastructure, vehicular defects, road types, damage to property, overloading issues and other factors related to road accidents. The android based mobile application supported by a backend analysis dashboard and data server will facilitate end-to-end accident



data management. The system is backed by a powerful GIS standard facilitating plotting of accident data on digital maps enabling in-depth spatial analysis. The RADMS is capable of presenting 65 different reports on various parameters by using its analytical tools. The RADMS App was launched by Dr Asgar Hassan Samoon, Principal Secretary, Transport Department Jammu & Kashmir on 9th September 2018.



NIELIT SHILLONG

CONSTRUCTION OF PERMANENT CAMPUS AT SHILLONG

Permanent Campus site preparation is underway at Umsawli, New Shillong. External Kutcha Road approaching the campus site is already levelled. Earth cutting and levelling work of academic and admin block has been completed.



TRAINING OF PARAMEDICAL STAFF ON MEDICAL ELECTRONICS



NIELIT has been awarded a project titled "Setup of Medical Electronics Lab at NIELIT Shillong" by MeitY under which paramedical staff were trained in a course namely "Repair & Maintenance of Medical Electronics Equipment". NIELIT Shillong conducted the training for paramedical staff of various hospitals of Shillong like Civil Hospital, Ganesh Das Hospitals, Pasteur Institute and Robert Hospital at NIELIT Shillong. Twelve paramedical staff participated in the week long program which commenced from 9th-13 July, 2018.

CAPACITY BUILDING IN IT AND DIGITAL SERVICES

14 (fourteen) days training programme on CCC course was conducted for State Government Employees of Meghalaya under the project titled "Capacity Building in IT and Digital Services sponsored by Ministry of DoNER". Employees of various departments like Forest and Environment, Social Welfare, Handloom, Tourism, Community & Rural Development, Deputy Commissioner Office, Home(Police), Excise, Registration, Taxation, Stamps, Cooperation, Planning (Economics & Statistics), Water Resources have attended the training conducted at rural and far flung districts of East Khasi Hills, West Jaintia Hills, South West Khasi Hills and West Garo Hills. Altogether 301 officials have been trained out of total target of 650 set for Calendar year 2018.



NIELIT SILCHAR

COMMISSIONING OF MEDICAL ELECTRONICS PROJECT

The Silchar Extension Centre (EC) of NIELIT Guwahati is implementing the project "Setting up of Lab for Repair of Medical Electronics Equipments" with financial support from Ministry of Electronics and Information Technology, (MeitY), Govt. of India. The lab with its first lot of equipments have been installed in July, 2018. This project is proposed to provide consultancy service to Hospitals and diagnostics centres of Barak Valley and the Hill districts on Assam and also to generate manpower in the fields of Medical Repair Technician.



Setting up of Medical Electronics Lab in Silchar Ext Centre of NIELIT Guwahati

The 2nd PRSG meeting of this Medical Electronics Project Lab at Silchar Extension Centre of NIELIT Guwahati was held on 26th of July, 2018 at Assam Secretariat, Dispur, Guwahati under the Chairmanship of Smt. Julie Sonowal, IAS, Commissioner & Secretary, Department of Health and Family Welfare, Govt. of Assam. The meeting was attended by Smt. Sunita Verma, Scientist F and Director, MeitY; Dr. A. K. Adhikari, Principal, Gauhati Medical College and Hospital; Dr. Shilpi Rani Barman, Principal, Silchar Medical College; and Hospital, Dr. Anup Kr Barman, Director, Medical Education, Assam and Dr. Tankeswar Das, Additional Director, Health Services, Assam. From NIELIT Silchar, Shri Manab Kalita, Additional Director (Chief Investigator of the project) attended the meeting along with Shri Shamik Gupta Bhaya, Senior Technical Officer (Co-investigator of the project).

As per recommendations of the 2nd PRSG meeting, NIELIT Silchar & NIELIT Guwahati proposed to conduct a 200 hours duration "Certificate Course in Repair and Maintenance of Medical Electronic Equipments" for which faculty and other resources have been finalised and the course prepared for commencement by the end of September, 2018.



TECH वार्ता

'BLOCKCHAIN' BASED EDUCATION SYSTEM

1. What is Blockchain?

A Blockchain is a chain of blocks that contains information. It is a Distributed Database, spread across many computers with no central control. All new block in the chain is linked to the previous block creating a chain of blocks. The blocks are secured using 'cryptography'. Each block typically contains a cryptographic hash of the previous block, a timestamp and transaction data. After getting validated by the network, blocks are added to a ledger. It makes virtually impossible to alter or falsify the blocks, giving a high degree of data security and integrity. Users create public keys that are publicly available but reveal little about the exact identity of the individual using it. Users also do not need to provide personal information to interact with others, and data in the Blockchain is encrypted. Blockchain can be public and open to all or private. In this, there are multiple shared copies of the same database which makes it challenging to wage a data breach attack or cyber-attack.

2. Proposed framework on 'Blockchain' based Education System

The Blockchain can be used to store several data of a candidate, their progress status, details of institutes and potential employers. It is seen as a measure to stop fake certification, other data of an institute and employers. Encryption and two-factor authentication are used to create, sign-off and place the certificate into the Blockchain database. In a group of institutions, Blockchain can give them a cheap, shared resource. The major components could be [1] Candidates, [2] The Institutes and [3] The employer. Several data can be taken from existing Digilocker also.

1.Candidates

- Profile data
- Academic detail
- Social profile
- Extra courses
- Current Location
- Financial/ Family status
- Interest area
- Hobby
- Facility at home

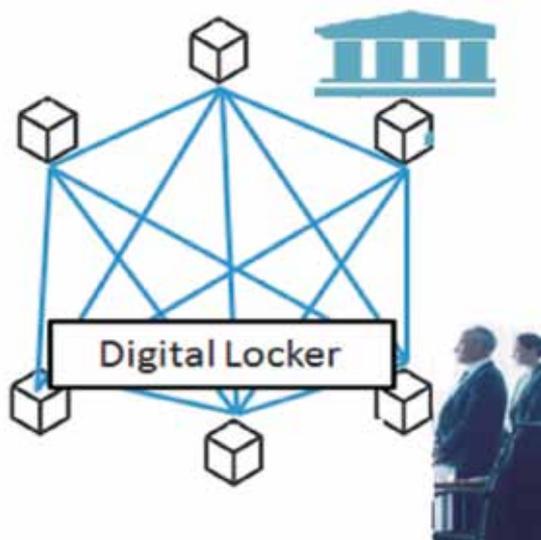


2.Institutes

- Approved courses
- Scholarship detail
- Attendance record
- Semester scores
- Health records
- ERP/Academic data

3.Employers

- Careers
- Experiences
- API points
- Insurance
- Penalties
- Peer reviews



3. **Few Benefits:** Blockchain technology is mostly a series of encrypted records chained together over a distributed environment that significantly minimises the potential for fraud.

☛ Candidates

- Gets approved list of Institutes and courses
- List of sponsored programs, Best training providers, teaching styles, Alumni Information
- Facilities- transport, library, safety

☛ Institutes

- Gives information on best chosen courses, Demographic of locations of students
- Timely interventions before dropouts of candidates
- Financial or family status, health records

☛ Employers

- Gets academic detail, up to class test marks etc from ERP system of an Institute
- Know the experience, API points from earlier employer, career details and experience domain
- Characters, penalties, insurance, peer review reports
- It can save time and money in verification/attestation of credentials by avoiding 3rd party for checking genuinity.

It will provide a secure, flexible and trustworthy ecosystem among participating team-Candidates, the Institutes and the employers.

*Blockchain Technology related Job oriented programme will be rolling out from NIELIT soon.

Prof. (Dr.) Y. Jayanta Singh
Director, NIELIT Kolkata



NEED OF THE DAY: TRANSFORMING ELIGIBILITY INTO EMPLOYABILITY

The emergence of India as a global economy has opened up a huge demand for electronic products. National Policy on Electronics and Make in India initiative of Government of India has resulted in setting up of many industries in the Electronics sector and has led to a huge demand for trained manpower in Electronics System Design and Manufacture (ESDM).

In order to create a conducive environment for the manufacture of High Technology, Capital-Intensive Semiconductors and other High Tech Electronic Products, attract global investments as well as bridge the viability gap due to lack of adequate infrastructure and ecosystem, Government of India has announced a number of initiatives in the country. To this aspect, there is also a need to ensure availability of trained human resources for this sector in order to sustain growth and to achieve the target set for this sector.



The solution to tackle this problem may be in a form of a training program, which focuses on state-of-the-art electronic products that are likely to be manufactured in medium and large volume for Indian and Global markets such as Automotive, Medical, Consumer, Industrial, Entertainment, Aerospace and Defence. Such a Program should also have collaboration with electronic sector industries and should act as a classroom to Industry Bridge so that Eligibility can be transformed into Employability.

In this context, it is relevant to discuss Advanced PG Diploma program of NIELIT, Calicut in Electronic Product Design and Manufacturing (PD 900) which is offered in collaboration with Maker Village Cochin (The Electronics Incubator is a joint initiative between Govt. of India and Govt. of Kerala). This programme is developing trained manpower for ESDM industry and providing the participant with knowledge and hands-on exposure in various dimensions of Electronics Product Design and Manufacture. Further, programme also offered assured internship to the participants in the Electronics industry.

We need more such programmes which provide trained and skilled manpower to a targeted industry and so that industry can deploy them on a real project without any induction period.

Ishant K Bajpai
Scientist 'E', NIELIT Calicut

NEW NIELIT STUDY CENTRE AT MOREH, INDO-MYANMAR BORDER



NIELIT Study Centre, Moreh, Tengenoupal District was inaugurated on 17th September, 2018 in the august presence of Shri. A. Tombikanta Singh, IAS, Deputy Commissioner, Tengenoupal District; Shri N. Bankim Singh, MCS Addl. Deputy Commissioner, Moreh; Shri Kh. Robinsun Singh, MPS, Addl. Superintendent of Police Moreh/Tengenoupal; Shri H. Romeo Singh, Jr. MCS, Sub-Deputy Collector (HQ) and Shri Th. Prameshwor Singh, Executive Director, NIELIT Imphal.

DIGITAL NORTH EAST VISION 2022

Digital Thrust Areas



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