



# NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY

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Autonomous Scientific Society  
of Ministry of Electronics and  
Information Technology,  
Government of India

## NEWSLETTER

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### HIGHLIGHTS

- NIELIT organised 1st International Conference on Communication, Electronics and Digital Technologies (NICE-DT 2023)
- SMART Lab at NIELIT Calicut Inaugurated
- DG, NIELIT Addressed MeitY Chintan Shivir
- Arab Republic of Egypt's Minister of Comm. & IT Visited NIELIT HQs
- Centre of Excellence (CoE) in Cyber Security Launched
- Corporate Training for 1000 Employees of Lok Sabha Secretariat
- MoU Signed with Wipro Enterprises
- MoU Signed with Microsoft



## EDITOR-IN-CHIEF'S DESK

Dear Readers,

We are thrilled to present the NIELIT Newsletter for the 1st quarter of 2023, filled with exciting updates and significant events. This quarter has been exceptional, showcasing NIELIT's commitment to promoting digital technology and digital skilling. Here are some highlights:

International Conference on Digital Technology and Digital Skilling: NIELIT organized the 1st International Conference on Communication, Electronics, and Digital Technologies (NICE-DT 2023) in New Delhi. The event included the International Conference on Digital Skilling and was inaugurated by Shri Alkesh Kumar Sharma, IAS, Secretary, MeitY, Govt. of India in the presence of dignitaries from across the globe. NICE-DT 2023 is a leading event of the G20.

Inauguration of SMART Lab at NIELIT Calicut: NIELIT Calicut has established the SMART lab (Virtual Prototyping Lab) under the Chips to Startup program of MeitY. The facility was inaugurated by Shri Alkesh Kumar Sharma, IAS, Secretary, MeitY, Govt. of India.

Read on to know about various activities undertaken in this quarter including signing of MoUs with Microsoft and IBM and more.

We appreciate your support and welcome your feedback at [newsletter@nielit.gov.in](mailto:newsletter@nielit.gov.in).

Dr Pratap Kumar S

## NEWS AT A GLANCE

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# IMPORTANT EVENTS

## NIELIT organised 1st International Conference on Communication, Electronics and Digital Technologies (NICE-DT 2023)

NIELIT organized the International Conference on Digital Technology and International Conference on Digital Skilling under 1st International Conference on Communication, Electronics and Digital Technologies (NICE-DT 2023) in New Delhi on 10th – 11th February, 2023. The NIELIT's International Conference was one of the lead events of G20.

The International Conference on Digital Skilling was inaugurated by Shri Alkesh Kumar Sharma, IAS, Secretary, MeitY, Govt. of India. Dr. Nirmaljeet Singh Kalsi, Chairman, NCVET, Shri Bhuvnesh Kumar, Additional Secretary, MeitY, Dr. M. Squicciarini, Director AI, SHS UNESCO, Dr. Madan Mohan Tripathi, Director General, NIELIT and other dignitaries also addressed the gathering during the conference.



Prof. K.K. Aggarwal, Ex. Chairman, National Board of Accreditation, Prof. S.N. Singh, Director, ABV-IIIITM, Gwalior, Prof. Rajkumar Buyya, University of Melbourne, Dr. Yehya Al-Marzooqi, Executive Director, Advisory Unit, Tawazun Council, UAE, Dr. Madan Mohan Tripathi, Director General, NIELIT, Dr. M.P. Pillai, Executive Director, NIELIT Calicut and Dr. Y. Jayanta Singh, Executive Director, NIELIT Guwahati addressed the International Conference on Digital Technology.

The International Journal of Digital Technologies and Abstract Book has also been launched during the conference.



The inaugural session of first day "International Conference on Digital Technology" was followed by the Technical Sessions and presentation of research papers by authors and day-two "International Conference on Digital Skilling" comprised of Panel Discussions on topics, Framework for Mutual Recognition of Skills; Digital Skills for All and Advanced and Emerging Skills.

During the Conference, 60 authors presented their Research Papers on topics like Artificial Intelligence, Machine Learning, Big Data, Data Analytics, Cyber Security & Forensic, Network and

Mobile Security, Advanced Computing- Cloud Computing & Quantum Computing VLSI & Semiconductors, Electronics System, IOT, EdgeAI, Assistive Technology for Divyangjan (People with disabilities), Blockchain and Software Technology, Digital Technologies for Future/ Biotechnology, Strategy for Digital Skilling for building a global Future Ready workforce.

The Secretary, Ministry of Electronics & Information Technology (MeitY), Shri Alkesh Kumar Sharma has said that Digital Skilling, Up-skilling and Re-skilling are critical to maintain and expand persons' capabilities and employability to participate in rapidly changing economy.

The Secretary, MeitY in his inaugural address said that, advancing Digital Economy needs both future ready workforce and digital ready masses (citizens). He congratulated NIELIT for registering tremendous growth in the capacity building and skilling. He added that NIELIT through its high-end training & skilling programs is stepping towards the achievement of generating quality manpower in line with the themes of the Trillion-dollar digital economy. He also highlighted the greater digital connectivity so as to connect with



the last habitat of this country. He congratulated NIELIT for training around 8 million candidates in the last ten years.

The Dr. Nirmaljeet Singh Kalsi, Chairman, NCVET, Shri Bhuvnesh Kumar, Additional Secretary, MeitY,

Dr. M. Squicciarini, Director AI, SHS UNESCO, Dr. Madan Mohan Tripathi, Director General NIELIT and other dignitaries were present on the occasion.

While unveiling the 1st International Journal of Digital Technologies and Abstract Book, the dignitaries congratulated NIELIT for publishing the International Journal of Digital Technologies which is one of its kind.

NIELIT HQ and Centres hosted stalls at the event to showcase the activities and projects of NIELIT. Several academicians, researchers and students visited the stalls. Hundreds of NIELIT students attended a special event of G20 on Digital Skilling on 11<sup>th</sup> Feb, 2023 during this conference.



### Inauguration of SMART Lab at NIELIT Calicut

Shri Alkesh Kumar Sharma, IAS, Secretary MeitY, has inaugurated the "Skilled Manpower Advanced Research and Training (SMART)" facility set up as part of Chips to Startup programme of MeitY on 03<sup>rd</sup> March, 2023 at NIELIT Calicut. Dr. Madan Mohan Tripathi, Director General, NIELIT and Smt. Sunita Verma, Sc 'G' and Group coordinator R & D in electronics have graced the occasion.

The SMART Lab is a unique facility that has been designed to provide cutting-edge technology solutions to startups, researchers, and industries in the field of VLSI, Embedded Systems, IoT, and Electronic Product Design. The lab has 300 remote accessible and configurable hardware systems which can be accessed remotely by researchers and industries.

The Virtual Prototyping facility for start-ups is a first-of-its-kind facility in India that enables hardware and system bring up remotely. The lab provides a platform for start-ups to prototype their hardware and test their ideas in a real-world scenario, remotely from anywhere without the need for physical presence.

The SMART Lab will also provide advanced skill development programs for VLSI, Embedded Systems, IoT, and Electronic Product Design, which will skill 1 Lakh candidates over a period of 5 years. As per the statistics around 4 lakhs skilled manpower are required in VLSI, embedded systems and electronic product design by 2032. The facility will be an enabler to fill the skill gap and to generate the necessary manpower in electronics sector.



### Address of DG, NIELIT in MeitY Chintan Shivir



On 11<sup>th</sup> March 2023, 'Chintan Shivir' was organized by Ministry of Electronics & IT on the topic of 'Digital India Techade – Strategy & Implementation'. This event was presided over by Hon. Minister of Electronics & IT, Sh. Ashwini



Vaishnav. Officers from MeitY and other organizations were invited to brainstorm under the leadership of Secretary, MeitY and finally come up with a roadmap for the strategy to make India a digitally empowered nation. DG NIELIT, Dr. Madan Mohan Tripathi was convener of the group and shared his perspective on Digital Foundation Education Courses to be included in the college education.

### Visit of Arab Republic of Egypt's Minister of Comm. & IT, Dr. Amr S. Talaat

The Arab Republic of Egypt's Minister of Communication & IT, Dr Amr S. Talaat along with his high-level delegates visited NIELIT HQ on 10<sup>th</sup> January 2023. The high-level delegation of Egypt held discussions with NIELIT officials led by Dr. M.M. Tripathi, DG, NIELIT on how both the countries can help each other to strengthen the skilling ecosystem. The delegation was very impressed by the efficient management of training being delivered by NIELIT in such a large number. The Minister also expressed his willingness to replicate this system in their skilling programs.



### Centre of Excellence (CoE) in Cyber Security Launched

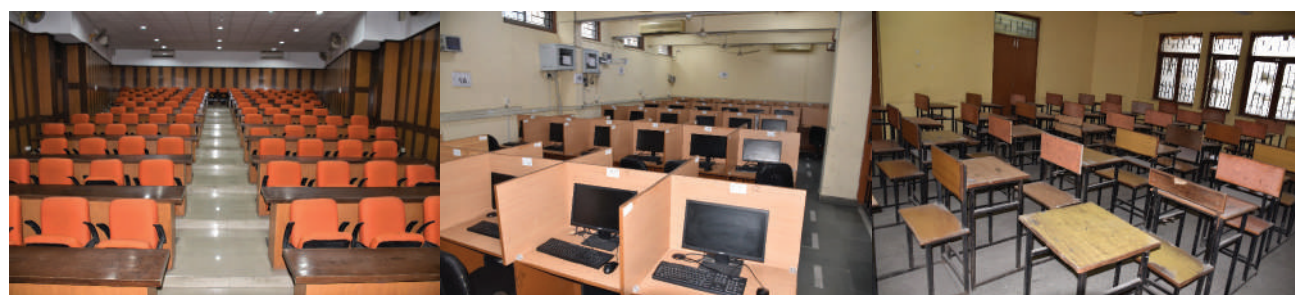


The Chief Secretary, J&K Dr. Arun Kumar Mehta, launched the Centre of Excellence (CoE) in Cyber Security, established by the IT Department in collaboration with National Institute of Electronics and Information Technology (NIELIT), J&K. CoE shall be a learning centre for the officers and officials of the government to learn about the latest trends and techniques for ensuring the important cyber security of official web portals and websites. NIELIT J&K will impart the basic level training to all the employees designated by the departments and a high-level skill training for the technically proficient people who would

look after the cyber security of government websites and its portals. Commissioner Secretary, IT, Purna Puri, Sh. Shamim Khan, Director-In-charge NIELIT, J&K, Sh. Susheel Gabgotra (Additional Director, A&F, NIELIT J&K), Sh. Rajneesh Raina (Joint Director, Technical, NIELIT J&K) and officers from J&K IT Deptt & NIC were present on the launch of the programme.

### NIELIT, South-West Delhi Office Started

NIELIT has started a new office "NIELIT, South-West Delhi Office" in Janakpuri to promote training in IT & Electronics.



# CONFERENCES/ WORKSHOPS

## Awareness Workshop on Indian Air Force Recruitment Conducted

An awareness workshop on Indian Air Force recruitment for B. Tech students was conducted by Wing Commander RS Patil, Wing Comander Dipin Chakravorty, Flying Officer Simran Walia and 14 other officials of Indian Air Force on 25<sup>th</sup> January, 2023, at NIELIT Aurangabad. They interacted with Students and staff of the Centre, motivated students to join Indian Air Force. A quiz was conducted by them and prizes were awarded to the winners. An Indian Air Force Flying Simulator Vehicle Exhibition and Motivational lecture by Indian Air force Wing Commander Shri. R S Patil and his team (17 Air force personnels including 03 Senior Air Force Officers) was also conducted on the same day. Two well equipped buses were brought to present various fighter jets, transportation jets, Helicopters, and also Su-30 MKI flight simulator. Students and staff have experienced all these facilities. Approximately 200 students participated for the same.



## Webinar on 'Docke Containers'

NIELIT Delhi organised a webinar on "Docke Containers" under Future Skills PRIME Cloud Computing Project on 24<sup>th</sup> March, 2023. This webinar served as a great platform to gain knowledge about Docke containers, such as portability, scalability, and flexibility, and how they can help organizations to reduce infrastructure costs and increase productivity. Total 64 participants participated in webinar and learnt more about job opportunities and job trends in this technology. After successfully attending this webinar, participants were issued participation Certificates.



## Webinar on 'Amazon Web Services- Career & Scope'

NIELIT Delhi organised a webinar on "Amazon Web Services-Scope & Career" under Future Skills PRIME Cloud Computing Project on 20<sup>th</sup> January, 2023. This webinar has provided valuable insights into the world of Amazon Web Services and its impact on career growth. Participants have learned how AWS has revolutionized the IT industry and created countless job opportunities for professionals across various fields. Total 73 participants participated in webinar and learnt more about job opportunities and job trends in this field. Participation certificates were issued to the attendees.





## Webinar- Artificial Intelligence and The Metaverse

A Webinar was organised by NIELIT Delhi on 24<sup>th</sup> February, 2023 under Future Skills PRIME Project on the Topic Artificial Intelligence and The Metaverse. An informative session was delivered by Ms. Nidhi Chawla, Project Consultant, NIELIT Delhi on 'Artificial Intelligence and the Metaverse' along with demos followed by an interactive Question and Answer session. A total of 120 members participated in the webinar. Certificate of participation were issued to the attendees.



## Workshop at Deenbandhu Chhotu Ram University of Science and Technology (DCRUST)

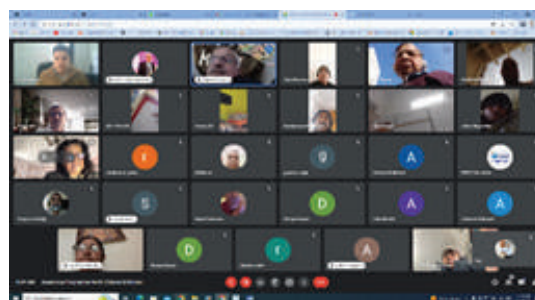
NIELIT Delhi team visited and conducted a workshop on 20<sup>th</sup> March, 2023 at Deenbandhu Chhotu Ram University of Science and Technology (DCRUST), Murthal, Sonapat, Haryana for Promotional Activity of Future Skills PRIME. Ms. Nidhi Chawla (Project Consultant) and Mr. Amit Dahat (Project Engineer) has conducted the sessions



on Artificial Intelligence and Cloud Computing Technology and explained about Bridge Courses under Future Skills PRIME related to these technologies. Total 50 participants have participated in the event.

## One-week Awareness Programme for "Sr. Citizens/Women"

Adhering to the thought that "Contributing to the Society is our duty not charity", NIELIT Haridwar has continued to conduct "One Week Online Awareness Programme" on "Use of Mobile Applications for Digital Payment and e-Governance services" absolutely FREE-OF-COST for "Senior Citizens/Housewives".



This programme is targeted to make Senior Citizens/Housewives aware of the various e-Governance services

launched by Government of India for the benefit of the citizens, with an objective to pave away their fear of using digital mediums. It is 5-days programme conducted in Online mode for one hour each day.

The programme proved to be very successful and the participants were able to fetch good knowledge about different government and non-government Online platforms as well as about the precautions and security features necessary for safeguarding against common cyber frauds. As per the feedback received from the participants, they feel more confident after the training and wish to take up various tasks such as Electricity Bill payment, generating Jeevan Pramaan Patra, Online gas booking, e-Hospital registrations, etc. from the ease of their home through digital medium. More than 800 Senior Citizens and Housewives have been benefited through this programme, so far.

## Workshop on "Cyber Security" for Senior Citizens & Women

A workshop was organised on 07<sup>th</sup> January, 2023 on the topic "Cyber Security" for Senior Citizens & Women. Shri Anurag Kumar, Director-In-Charge addressed the participants and laid emphasis on the need of cyber security awareness in the society. About 30 Sr. Citizens attended the programme and appreciated the efforts of NIELIT to make Sr. Citizens aware about Security Threats and how people can make themselves safe from Cyber frauds. A 'Rudraksh' tree was also got planted from the hands of Sr. Citizens on this occasion.





## Organized Workshop on "Cyber Security" for Treasury Officers

NIELIT Haridwar conducted a workshop on 'Cyber Security' for the officers of Treasury department of Uttarakhand. The workshop was organized at "Centre for Training and Research in Financial Administration (CTRFA)", Dehradun; and about 20 officers attended this workshop.



## International Conference at Roorkee Institute of Technology (RIT)



Shri Anurag Kumar, Director-in-charge, NIELIT Haridwar was invited as Guest of Honour in the international conference which was organised by Roorkee Institute of Technology (RIT), Roorkee on 13<sup>th</sup> February, 2023 where the Hon'ble Minister, Technical Education, Uttarakhand, Shri Subodh Uniyal Ji was the Chief Guest of that event. During his address, Shri Anurag Kumar explained about the activities of the NIELIT and informed about the significant progress, NIELIT has made in past eight years. The conference was attended by more than 300 participants including students, research scholars and faculties.

## Session on VLSI Design

The batch of students of B.Tech. (Electronics) from Graphic Era University, Dehradun made an industrial visit to NIELIT Haridwar. During their visit, a session was conducted for them on "VLSI Design using Verilog". Also, they were made aware about the various programmes being conducted by NIELIT Haridwar. They were also informed about the internship opportunities that are being offered by NIELIT under "Work Based Learning" programme sponsored by Ministry of Electronics and Information Technology, Government of India.



## Career Counselling Session



A career counselling session was conducted on 23<sup>rd</sup> February, 2023 for the students of Atal Utkrisht Government Inter College, Mundakhera Kalan, Haridwar, Uttarakhand. During the session, students were informed about the various training programmes

including the programmes sponsored by MeitY which can enable the students to pursue their career in IT field. Also, they were made aware about the courses, which can help them in becoming self-employed.

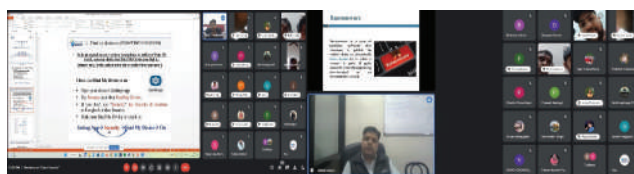
## Session on Artificial Intelligence

A group of MBA students of Graphic Era University, Dehradun visited NIELIT Haridwar as a part of their industrial visit. During their visit, a training session for them was conducted by NIELIT Haridwar on "Artificial Intelligence". The students were also made aware of the various courses that can help MBA students in getting essential IT skills which can help them in their future employment.



## Workshop on Cyber Security

Two Workshops were conducted by NIELIT Haridwar on "Cyber Security" for the school students on 29<sup>th</sup> to 31<sup>st</sup> March, 2023. The workshop was conducted in online mode; and about 140 students benefitted from the awareness workshop.



## Workshop on IPR

A One-day Awareness Program on "Intellectual Property Rights (IPRs)" under NIPAM - 2.0 was held on 16<sup>th</sup> March, 2023 on Virtual Mode in association with the Patent Office, Kolkata under Department for Promotion of Industry & Internal Trade (DPIIT), Ministry of Commerce & Industry, Govt. of India.

Shri Shubham Harsh Singh, Examiner of Patents & Designs was the Resource Person. A total of 318, including officials, staff and students of NIELIT Imphal, Senapati and Churachandpur Extension Centres attended the Webinar at Seminar Hall, Labs and Office.



## Boot Camp on Drone Technology Commences at NIELIT Srinagar

NIELIT Srinagar organized a 5-day boot camp on Drone Technology and Its Applications from 20<sup>th</sup> to 24<sup>th</sup> March, 2023. The boot camp primarily focused on basics of drone technology and its applications with special emphasis on agriculture. The boot camp was participants were graduate/postgraduate students of computer science and electronics belonging to various colleges across J&K. An expert lecture on applications of drone technology in agriculture was also delivered by, Assistant Professor, College of Agricultural Engineering and Technology, SKUAST-K. Dark Crystal Business (OPC) Pvt. Ltd also participated in the Boot camp and made audience aware of the latest market trends in drone technology and job opportunities available.



The bootcamp was conducted under the MeitY funded project titled as "Capacity Building for Human Resource Development in unmanned Aircraft System (Drone and Technology)".

Dr Showkat Rasool highlighted that the use of drones for crop spraying, crop monitoring land use mapping, detecting pests and disease in crops and precision input applications. He also highlighted that this technology can help farmers to take decisions about crops management, reduce losses and increase yield.

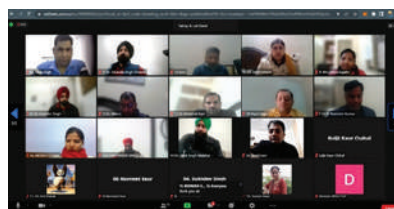
## Conference on "Entrepreneurship as Career Choice"

SMS(M) Govt. Degree College, Hyderpora organized a 2-day conference on "Enterpreneurship as Career Choice" Opportunities and Challanges (ECC-2023) from 15<sup>th</sup> March, 2023 to 16<sup>th</sup> March, 2023. Er. Ashaq Hussain Dar, OIC, NIELIT Sriangar as invited as Key speaker and Chief Guest for the session. Various trends were discussed to take risks and develop, organize, and manage a business venture in a competitive global marketplace that is constantly evolving.





## Lecture on "AI, Machine Learning and Its Applications"

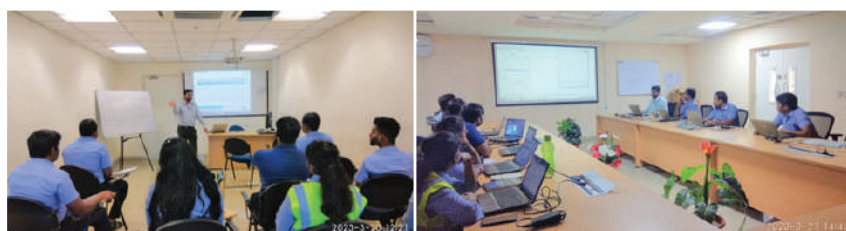


A lecture on "AI, Machine Learning and Its Applications" was delivered by Ms Anita Budhiraja, Scientist D, NIELIT Chandigarh to 30 academicians attending UGC Human Resource Development Council (UGC-HRDC) sponsored workshop organised by Punjabi University Patiala on 10<sup>th</sup> January, 2023.

# CORPORATE TRAINING/ FDPs

## PCB Design Fabrication and Testing Program for Officials of Chennai Metro Rail Ltd.

Aurangabad Centre conducted Corporate Training Program on PCB Design Fabrication and testing for 10 Officials of Chennai Metro Rail Limited at CMRL Koyambedu Chennai from 20<sup>th</sup> to 24<sup>th</sup> March, 2023. The Training program included



Library Components creation, Schematic Design and Electronic Circuit Simulation, PCB layout Design and Manufacturing file Generation. A doubt clearance session was also held for repairing and Testing of Metro PCBs. Live demonstration of Metro PCB component identification, Repairing, Testing and Retracing the circuit using Reverse engineering were shown to the Participants.

## Online Corporate Training for 1000 Employees of Lok Sabha Secretariat

NIELIT Delhi Centre conducted 5 days online training programmes for 111 officers/officials of Lok Sabha Secretariat (LSS), New Delhi. The program aims to impart training to LSS officers through online lecture, demonstration, practical and other methods to imbibe the skills in spreadsheet management and working with presentations. Officials of the level Deputy Secretary and Joint Director of various departments of Lok Sabha Secretariat have attended this training programme.

## Valedictory Programme of Batch Certified Multimedia Developer Conducted for DGR

NIELIT Delhi Centre has successfully completed training program in Certified Multimedia Developer (NSQF Level-3) course for JCOs/ORs from 2<sup>nd</sup> January to 24<sup>th</sup> March, 2023, sponsored by DGR, Dept. of Ex-Servicemen Welfare, Ministry of Defence.



The valedictory programme for said batch was conducted on 24<sup>th</sup> March, 2023. A total of 36 officials of the Indian Army, Navy and Air Force attended the training programme. Ms. Alpana Agrawal, Officer In-charge, NIELIT Delhi Office along with Ms. Swapnali Naik, Joint Director (Technical) awarded Certificates to all the officials and felicitated them for their successful completion of training.

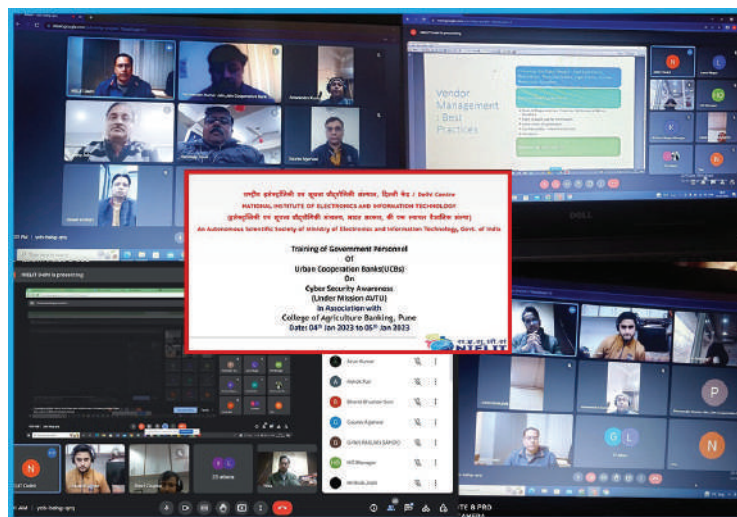
## Training Conducted for Employees of Urban Cooperative Banks (UCBs) - Delhi Region

National Institute of Electronics & Information Technology (NIELIT) and College of Agriculture Banking- Reserve Bank of India, Pune has signed a MoU to conduct cyber security awareness training of officials



of Urban Cooperative Banks (UCBs)- Reserve Bank of India under Mission AVTU to familiarize with the emerging trends of cyber security and its risks in PAN India.

Under this, NIELIT Delhi Centre has successfully conducted a two days online training program from 04<sup>th</sup> to 5<sup>th</sup> January, 2023 for Non-Technical-End User of Urban Cooperative Banks (UCBs). A total of 26 officials of UCBs participated in the training and learned, Cyber Hygiene & Incident response, Cyber Risk in India and its Emerging Trends, Best practices in IT Security in Banks & Cyber Security Framework for UCBs. This training programme was conducted in collaboration with College of Agriculture Banking-Reserve Bank of India.



### Training Programmes on "Cyber Security" for the Cooperative Banks of Uttarakhand



NIELIT Haridwar has conducted training programmes on "Cyber Security" for the Cooperative Banks of Uttarakhand under the Awareness Vriddhi and Training for the Urban Cooperative Banks (AVTU) mission sponsored by

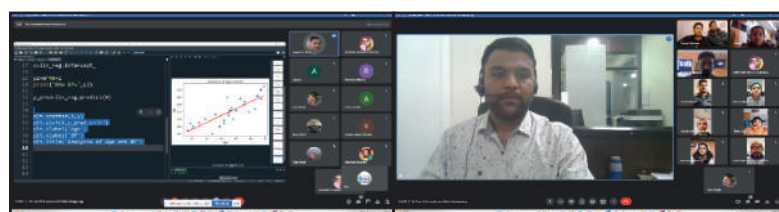
Reserve Bank of India (RBI). NIELIT Haridwar has trained about 663 officers & officials of various cooperative banks such as Kurmanchal Nagar Sahkari Bank Ltd., Kashipur Urban Co-Operative Bank, Almora Urban Co-operative Bank etc. & others.

### Training on Coding Artificial Intelligence

NIELIT Haridwar conducted training of two batches of Govt Teachers of Haridwar district under Samagra Shiksha Scheme. More than 50 participants attended these ten days training programmes. The participants were trained on the basic coding using Python language, and concepts of Artificial Intelligence. The training programme was appreciated a lot by the participants.



### ToT on Artificial Intelligence and Web Designing



A Training of Teachers (ToT) was conducted by NIELIT Haridwar on the topic "Artificial Intelligence and Web Designing" in online mode from 22<sup>nd</sup> to 28<sup>th</sup> March, 2023.

## Govt. Officials Training on "Big Data Analytics"

7 Days Govt. Officials Training on "Big Data Analytics" under FutureSkills PRIME Programme conducted by NIELIT Imphal from 30<sup>th</sup> January to 7<sup>th</sup> February, 2023. 16 Participants attended the training programme.



## Training Programme on Cyber Security under Centre of Excellence (CoE)

NIELIT J&K conducted a 3 weeks training program in cyber security from 16<sup>th</sup> March to 6<sup>th</sup> April, 2023, at both the Srinagar Centre and Jammu Centre.

The training programmes under Centre of Excellence (CoE) established by the IT Department of UT of J&K.

The training programme is focusing on myriad range of cyber security topics like cybercrimes, network security, cyber hygiene, cyber forensics, mobile and end user security, web security and information security audit, Cyber crimes, cryptography and digital signatures, network security, Emerging Technology Security, cyber forensics, crypto currency, Cyber Hygiene, disaster recovery planning, mobile security, web security and others.



The programme helped the participating officials understand the applicability of security controls for system/network confidentiality and applying problem-solving skills to detect cyber-attacks.

Around 60 officers and officials belonging to various government departments participated in the training programme.

## Training on Certified Multimedia Developer Course for JCOs/OR from DGR



NIELIT Jammu successfully conducted training of JCOs/OR from Directorate General of Resettlement in certified Multimedia Developer Course. The course was

conducted between 2<sup>nd</sup> January 2023 to 24<sup>th</sup> March, 2023. A total of 41 officials of Indian Army, Navy and Air Force participated in the training program. Participants learned the concepts of interactive multimedia development through collaborative, hands-on projects using latest multimedia tools and techniques. They also explored the fundamentals of website architecture and development, interactive multimedia design and development, learned software like Adobe Photoshop, Adobe Illustrator, Adobe Dreamweaver, CorelDRAW, 3ds max etc.

## O-level Software Training for JCOs/OR from DGR

NIELIT Jammu has conducted training for 28 JCOs/OR from Directorate General of Resettlement for O-level software. The training started on 7<sup>th</sup> March, 2023. It is a non-formal long-term course which is aligned with NSQF Level 4. The candidates have got training in the field of Computer fundamentals, Python Programming, Web designing and publishing, Computer Networking and Internet of Things (IoT).





## Training Program on “Advanced Features of MS-Excel and Data Analysis”

NIELIT J&K conducted training program on “Advanced Features of MS-Excel and Data Analysis” for officers and officials of Sales Taxes Department of J&K, UT. The training program was conducted from 3<sup>rd</sup> to 16<sup>th</sup> January, 2023. This also



concluded Phase 1 of the training program, 141 officers of the Sales Taxes Department were trained under this program. The purpose of the training was to acquaint the officials of the State Taxes Department with various advanced features of MS-Excel and Data Analysis so that they can apply them to their day to day work. During the valedictory function, Namrita Dogra, Additional Commissioner, State Taxes J&K UT emphasized the importance of organizing such training programs on a regular basis for departmental candidates to improve their capabilities in the effective use of technology in their day-to-day work. She added that these kinds of training modules will enhance the capabilities of working staff and will in turn improve the disposal of services for the public good at large.

## Training Program on Advanced MS-Office for J&K Police Personnel

NIELIT J&K conducted training program of 21 J&K Police Personnel in Advanced MS-Office. The training was conducted from 16<sup>th</sup> January to 6<sup>th</sup> February, 2023 at both Srinagar Centre and Jammu Centre. Participants learned the various advance features of MS office.



## Training Program on MS-Office for Officials of Criminal Investigation Department (CID)

NIELIT J&K has conducted training program of officials of Criminal Investigation Department (CID) in MS-Office. The training started on 23<sup>rd</sup> March, 2023. It was a hands-on practical training, and various aspects of MS Office were discussed in detail.

## Faculty Development Program on IoT Conducted at NIELIT Aizawl by NIELIT Calicut

A two-week Faculty Development Program (FDP) on Internet of Things (IoT) was conducted by the National Institute of Electronics and Information Technology (NIELIT) Calicut in association with NIELIT Aizawl from 9<sup>th</sup> to 20<sup>th</sup> January 2023 at NIELIT Aizawl. The joint program aimed to provide the participants with customized IoT training kits developed by NIELIT Calicut and to impart knowledge on various topics related to IoT and its applications.

The FDP was primarily intended for NIELIT officials from across NIELIT centers in the North East Region. The program saw a considerable number of participants from different centers. The training was a great opportunity for the participants to learn about the latest trends and technologies in the IoT domain and explore its applications.





The training was conducted by experts from NIELIT Calicut. The training program covered a range of topics, including IoT architecture, IoT protocols, IoT applications, IoT security, IoT standards, and IoT use cases. The training also included practical sessions in which the participants got hands-on experience in working with the IoT training kits.

The customized IoT training kits developed by NIELIT Calicut were the highlight of the program. The IoT training kits were designed to provide a comprehensive understanding of IoT and its applications. The training kits contained various components such as sensors, actuators, micro-controllers, and communication modules. These components were used to build IoT applications and prototypes during the practical sessions.

The resource persons were Shri Rajesh M, Sc-D and Shri Manoj N., PTO from NIELIT Calicut. The program was inaugurated by Director in Charge, Shri T. Gunendra Singh. There are 11 participants from NIELIT Centre outside Mizoram i.e., Imphal, Churachanpur, Senapati, Itanagar, Pasighat, Guwahati, Agartala and Shillong. There are 49 participants from NIELIT Aizawl and NIELIT Lunglei Extension Centre. The total number of participants was 60.

### Cyber Forensics Training Programs for Law Enforcement Agencies

NIELIT Guwahati City Centre in association with CDAC, Kolkata has conducted various Cyber Forensics training programs for Law Enforcement Agency under the Project "Development of Digital Forensic Training and Investigation Labs at North-Eastern States and Cloud based centralised Lab Infrastructures" sponsored by MeitY, Govt. of India. Advanced Level Training on Cyber Forensics for Assam Police was conducted at NIELIT Guwahati City Centre, Khanapara from 20th to 24th March, 2023. The programme was inaugurated by Sri A. Y. V. Krishna, IPS, ADGP, Assam in presence of Sri Asok Bandyopadhyay, Associate Director & Project CI C-DAC Kolkata and Sri Manab Kalita, Scientist-F, NIELIT Guwahati. A total of 38 Assam Police Personnels attended the training program. Participants were given hands on training in various Cyber Forensics Software. On the other hand, Training on Cyber Forensics for Judicial Officers was held at Judicial Academy, Assam on 22nd and 23rd January, 2023 which was inaugurated by Hon'ble Justice (Retd.) Mir Alfaz Ali, Director, Judicial Academy, Assam in presence of Sri Asok Bandyopadhyay, Associate Director & Project CI C-DAC Kolkata. A total of 46 Judges/Judicial Officers attended the 02 days training program. Similarly, Awareness & Beginners Level Training Program for SSB was conducted at NIELIT Guwahati City Centre, Khanapara from 14th to 17th March, 2023 which was attended by 25 numbers of Sashastra Seema Bal (SSB) Personnels.



## Government Official Training on Use of Cloud Computing on Cyber Forensic

NIELIT Guwahati has organised 5 days Training on Advanced Cyber Forensic for ASSAM POLICE where a day long Training on Cloud Computing is provided to the trainees on 23<sup>th</sup> March, 2023 covering different aspects of Cloud Technologies in Cyber Forensics.



## Corporate Training to Defence Personnel



A 9-day training programme on IT and Cyber Security has been conducted by NIELIT Kolkata for the defence personnel at AEC Pachmarhi during 3<sup>rd</sup> to 12<sup>th</sup> January, 2023. The resource persons were Shri Bhaskar Banerjee, Scientist-D and Dr. Kalyan Baital, Scientist-D. Shri Mithun Kumar Roy, STO also took a few sessions through online mode. The total number of participants was 44. The training was very interactive and successful one. It was highly appreciated by the AEC officials.

## DGR Sponsored IT O-Level Course

A batch of 42 participants of DGR sponsored course for IT O-level commenced from 6<sup>th</sup> February, 2023 at the Salt Lake Campus of NIELIT Kolkata. The Course was inaugurated by Shri V. Krishnamurthy, Executive Director, NIELIT Kolkata in presence of Lt. Col. P.P. Saha, Jt. Director DRZ(E), Kolkata. Participants were welcomed by Smt. Rashmi Mandal Vijayvergiya, Sc-C and Course Coordinator. Shri Tapas Trivedy, Sc-D briefed the candidates about the NIELIT Kolkata activities.



The Executive Director briefed the participants about different opportunities available on completing the IT O-level course of NIELIT. LT. Col. P.P. Saha also extended his views about the courses being offered at NIELIT Kolkata and benefits a candidate can reap by taking this course.

## Cyber Security Workshop of 24 SSB Officers

NIELIT Patna conducted 05 days Cyber Security workshop of 24 SSB Officers from 27<sup>th</sup> February to 03<sup>rd</sup> March, 2023 at Frontier Headquarters, SSB Patna.



## Cyber Training of Economic Offense Unit (EOU) Officials



NIELIT Patna conducted 05 days Cyber training and examination of 171 officials of Economic Offense Unit (EOU), Bihar Police at BIPARD, Patna on from 21<sup>st</sup> to 25<sup>th</sup> February, 2023.

## Computer Training of Dy. SP (Prob.)

NIELIT Patna completed Computer training of 65<sup>th</sup> batch of Dy. SP (Prob.) of 2 weeks duration on 17<sup>th</sup> February, 2023 at Bihar Police Academy, Rajgir.



### CHM – 'O' Level Course for DGR Candidates

NIELIT Patna started Computer Hardware Maintenance (CHM - O Level) course of 50 nos. of DGR candidates on 13<sup>th</sup> March, 2023.



### Advanced Level (L3) Training on Cyber Forensics organized for BSF, Meghalaya

Under the project "Development of Cyber Forensic Training cum Investigation Labs in NE States and Cloud based centralized CF Lab Infrastructures" sponsored by MeitY, NIELIT Shillong organized an Advanced Level (L3) Cyber Forensics Training organised for BSF Meghalaya for 5 days (30+ hours) from 6<sup>th</sup> to 10<sup>th</sup> February, 2023 at NIELIT Shillong. The nominated officials are officials who have completed Beginners Level (L2) programs earlier.



A total of 22 officials including Commandants, 2<sup>nd</sup> In-Command and Inspector-level Officers were nominated for the CDAC training program.

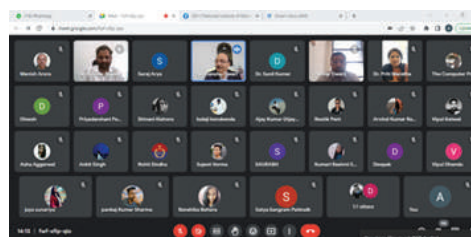


### Training on "Network Security"

A one-week training on "Network Security" for 15 professionals of Di-Tech Haryana from 9<sup>th</sup> to 13<sup>th</sup> January, 2023 was conducted at NIELIT Chandigarh. The training was conducted by Sh Akash Sharan, Scientist B.

### Online Course on "ML using Python"

A one-week online course on "ML using Python" was conducted for more than 50 B.Tech CSE students and faculty of Central University Haryana which was inaugurated by Prof (Dr) Tankeshwar Kumar, VC, Central University, Haryana and Sh Subhanshu Tiwari, ED, NIELIT Chandigarh.



## TRAINING PROGRAMS

### Training Program in Association with DGR for Army, Navy and Airforce Officials

NIELIT Aurangabad in association with Directorate General Resettlement has been conducting skilling programs for retired Army, Navy and Air force Officials. Officials of our Armed Forces are being provided with complete professional & hands-on- training from installation of software to handling professional services. The aim of this training is to enable them to become self-employable, entrepreneurs and industry ready. Army Officials from all over the country are participating in these skilling programs. Under this program, 26 candidates are undergoing NIELIT 'O' Level course from January, 2023. The duration of the course is six months.

### Joint Training Programmes with Shamlal College, University of Delhi

NIELIT Delhi has collaborated with Shyam Lal College, University of Delhi for imparting the training in short term Add-on courses in IT to enable the students to improve their skills in the area of Information Technology and to enhance the employment opportunities.

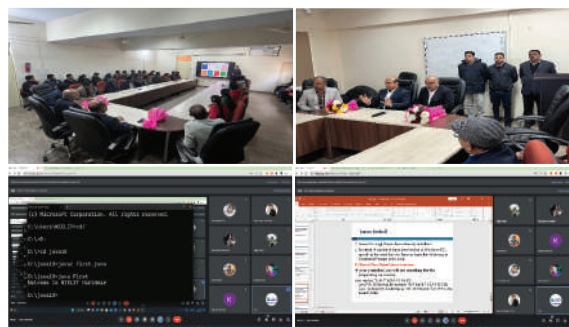




Under this collaboration, NIELIT Delhi successfully conducted the training of second batch of 'Fundamental Course in Digital and Social Media Marketing' and 'Fundamental Course in Artificial Intelligence' at Shyamal College w.e.f. 29<sup>th</sup> January, 2023. Total 32 candidates attended the training.

### Orientation Programme for the New Batch of 'O' Level (IT)

An Orientation programme was conducted on 23<sup>rd</sup> January, 2023 for the new batch of 'O' Level. The ceremony was graced by Shri A. K. Singh, Principal, Govt Polytechnic, Haridwar and Shri Anurag Kumar, Director-in-charge, NIELIT Haridwar.



### Capacity Building of School Teachers on IECT Technologies



Certificate distribution of Six Days training program on "Capacity Building of School Teachers on IECT Technologies" conducted at NIELIT Churachandpur Extension Centre from 13<sup>th</sup> to 18<sup>th</sup> March, 2023. A total number of 37 School Teachers from different Govt. Schools of Pherzawl District (Tipaimukh and Thanlon Block), Manipur participated the training program.

Four batches of Teachers were also trained by NIELIT Senapati during the period in the theme "Capacity Building of School Teachers on IECT Technologies" under NECB 2.0 project sponsored by MeitY, Govt. of India.



### Certificate Distribution at District Skill Mela Imphal East

NIELIT Imphal participated in the "District Skill Cum Employment Mela Imphal East" organized by District Skill Committee Imphal East on 28<sup>th</sup> February, 2023 at Panchayat Bhawan, DC Complex. Certificates of Teachers Training under NECB 2.0 were distributed at the Skill Mela and also received a Token of Appreciation for the training services rendered by the Institute.

### Training Program on IoT with Raspberry Pi

Training Program in Raspberry Pi using python was conducted at NIELIT Jammu for Jammu university students from 16<sup>th</sup> January to 17<sup>th</sup> March, 2023. A total of 28 candidates attended the training program. Course introduces the concepts of Raspberry Pi required to design and develop practical IoT devices.

Students learned how to set up the Raspberry Pi environment, get a Linux operating system running, and write and execute some basic Python code on the Raspberry Pi. They also Learn to use Python-based IDE (integrated development environments) for the Raspberry Pi and how to trace and debug Python code on the device.



## Training Program on Digital Technologies

One Week Training program on Digital Technologies for Under graduate students of Government College of Education Srinagar was conducted from 13<sup>th</sup> to 17<sup>th</sup> March, 2023 at NIELIT Srinagar. A total of 20 students participated in the training program.



## PMKVY 4.0 Training Programmes



Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE) implemented by National Skill Development Corporation (NSDC). The objective of this Skill Certification Scheme is to enable Indian youth to take up industry-relevant skill training that will help them in securing a better livelihood. The Prime Minister launched the Pradhan Mantri Kaushal Vikas Yojana on 15<sup>th</sup> July, 2015.

The current phase of PMKVY 4.0 training has started across the country in April 2023. NIELIT is a Training partner and also Training Centre for rolling out this programme. Accordingly, NIELIT centres have also started training under PMKVY 4.0 for different job roles such as Software Developer Associate, Associate Data Entry Operator, Media Content Developer and Assistant Technician- Networking & Storage and Solar Panel Installation. These are of 210 hours courses. This is indeed a great opportunity for the unemployed youths for archiving new knowledge and skills.

## Cloud Solution Architect Course Under Future Skills PRIME Project

NIELIT Guwahati has enrolled more than 100 students from various discipline such as Engineering, IT, Computer Applications on Cloud Solution Architect Course under the flagship program FSPrime. The topics covered under this program are Public and Private Cloud, Various Cloud Deployment Models, Windows and Linux Server, Virtualization tools – KVM, Virtual Box, Cloud Middleware, Monitoring tools, Openstack, Linuxbridge, AWS platform, Docker etc. NASSCOM is the assessment body for this course and more than 90% students of NIELIT Guwahati has secured the GOLD grade which is the height grade of the assessment process.



## Various Training Programmes Conducted under MeitY, Govt. of India Sponsored Project: NECB 2.0

### i. School Teachers' Training [Capacity Building of School Teachers on IECT Technologies]

NIELIT Guwahati Tezpur EC has conducted teachers' training in IECT area for 314 teachers in different batches from January, 2023 to March, 2023. During this training programmes, hands on training were given to the teachers from non-computer science backgrounds.



### ii. Awareness on Use of Mobile Applications for Digital Payment and e-Governance Services for Elderly People

NIELIT Guwahati, Jorhat EC has conducted a day long awareness program on basic use of mobile applications for digital payments and e-Governance services for elderly people. The program was



conducted at the conference facility of Zila Parishad office, in the District of Jorhat, Assam. The program was conducted by Monita Wahengbam, ECIC of NIELIT Jorhat EC along with Mr. Bimal Goswami. 53 elderly persons participated in the program.



### iii. Awareness Programme on Use of ICT Technologies for effective farming and marketing

An awareness program on the use of ICT Technologies for effective farming and marketing was organised by NIELIT Guwahati Jorhat EC at Titabar, Jorhat in collaboration with M/S SIRISH, (an Agricultural Farming and Village Tourism organisation) during 28<sup>th</sup> to 29<sup>th</sup> March, 2023. The program was very successful as 120 farmers participated in the program and were exposed to various technologies for effective farming as well as marketing their produce.

In this period Tezpur EC has also conducted 06 training programmes with participation from 463 farmers in different parts of Sonitpur District of Assam.

### iv. High-end Training Programs under NECB 2.0

#### Training on Advanced Programming languages and Web Development

NIELIT Guwahati is conducting a training programme on GO programming language at its Guwahati centre with a batch of 42 students. Similarly, NIELIT Guwahati is conducting industry-ready courses like Fullstack development, Kotlin etc. In these courses, experts from the industry along with the senior faculty members of NIELIT are rendering their services as resource persons to enhance the employability of the students.



#### 100 hrs Training on Cyber Security

Cyber security training is being conducted for the students of Arya Vidyapeeth College and DKD College, Dergaon at Guwahati centre and Jorhat Extension Centre of NIELIT Guwahati.

### Awareness Training for School and College Students in Emerging Areas

- NIELIT Kokrajhar Extension Centre (EC) organized a one-day awareness program for Drop out/ School students of class VIII to XII on "Data Science" on 6<sup>th</sup> January, 2023 under Emerging Technologies at the Permanent Campus of NIELIT Kokrajhar EC. A total of 55 nos of candidates registered for the program, out of which 39 nos candidates attended the awareness program. The awareness program covered the basics of the topics like Artificial Intelligence, Machine Learning etc. which was carried out by the joint venture of the faculties of NIELIT Kokrajhar EC.



- One Day Awareness Program for Students on "Career Counselling, ICT & Emerging Technologies" was organised by the National Institute of Electronics & Information



Technology (NIELIT) Tezpur EC on 30<sup>th</sup> March, 2023 in association with Darrang College, Tezpur. 309 students of the college participated in the training programme. Sri Prankrishna Tamooli, ECIC, Tezpur along with other faculty members of NIELIT Tezpur EC delivered the lectures as resource persons.

## Course Conducted through NIELIT Virtual Academy (NVA)

A short-term online training programme on Bioinformatics was conducted for 10 days from 23<sup>rd</sup> January, to 3<sup>rd</sup> February, 2023 through NIELIT Virtual Academy (NVA) (<https://nva.nielit.gov.in/>). The course was based on CBCS syllabi and was attended by students from different colleges of the country and it was the first of this kind conducted by NIELIT through NIELIT Virtual Academy. Moreover, the second cycle of the course is open for registration through the above-mentioned portal. All recorded lectures and videos are also available through NVA.

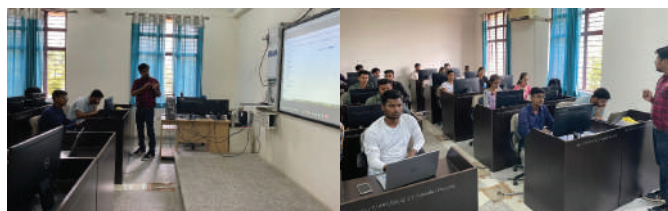


## Robotics and 3D Printing Course for School Kids

Like in the previous seasons, NIELIT Guwahati conducted a few Winter Trainings on "Robotics & 3D Printing Technology for School Children" at different places in Assam.

## Training in Emerging Technologies

NIELIT Patna started training in emerging technologies sponsored by DST, Govt. of Bihar on 15<sup>th</sup> March, 2023. Students of various Govt. engineering colleges will be trained in the course "Foundation course in machine learning using python programming".



## Training Program for Teachers on ICT Applications



Under the project "Capacity Building in IECT including training in digital skill-sets and current industry Demanding Technologies for various section of society in the NE States". Considering the critical role of teachers, NIELIT Kohima organised a training program for teachers of

G Rio School Kohima and NI Jamir School, Mokokchung District on the use of IECT technologies digital marketing and digital payment for effective lifestyle.

# SUMMER TRAINING/INTERNSHIP

## Work Based Learning(WBL) Project by NIELIT Haridwar

NIELIT Haridwar is implementing the Work Based Learning (WBL) project sponsored by the Ministry of Electronics and Information Technology (MeitY), Govt. of India. Under this project interns are given intensive training and work like experience; and a stipend of Rs. 10000/- is paid per month. The final meeting of Tech-MEC committee for evaluation of performance of first batch of Interns, was held on 17<sup>th</sup> March, 2023.





## Bootcamp for Drone by NIELIT

A 05 day long BOOTCAMP on "Overview & Construction of Basic UAV System" was conducted by NIELIT Imphal from 27th February to 3<sup>rd</sup> March, 2023. Altogether 34 students attended the bootcamp. The bootcamp was organised under MeitY funded project – "Capacity building for Human Resource Development in Unmanned Aircraft Systems (Drone and related Technology)".



## Work Base Learning (WBL) Program at NIELIT J&K



Work Based training program of 6 months in Networking and IoT started at NIELIT Jammu and NIELIT Srinagar on 13<sup>th</sup> March, 2023. 9 candidates were selected under this program. The main aim of the course is to facilitate the students' smooth transition from a college environment to the corporate world. The programme has been designed with practical experience opportunities and exposure for learners to understand niche technologies in addition to enhancing their skills and professionalism.

## Summer Training cum Internship on PCB Design

NIELIT Guwahati, Jorhat EC has conducted a Summer Training cum Internship on PCB Design for 46 students from HRH Prince of Wales Institute of Engineering and Technology, Jorhat and Golaghat Residential Girls Polytechnic, Golaghat. During the training programme, the students were exposed to various aspects of PCB design from 22<sup>nd</sup> February to 7<sup>th</sup> March, 2023. The classes were conducted by Shri Jyotirmoy Deka, faculty of NIELIT Jorhat EC.



## Work Based Learning at NIELIT Guwahati and Extension Centres



"Work Based Learning (WBL) Programme to strengthen and empower SC/ST/Women/EWS Graduate Engineers through MeitY Institutions" is an internship programme sponsored by MeitY. The Project was approved in March, 2023. This is to be implemented by 7 agencies including NIELIT over a period of 5 years with total budget outlay of Rs 5140.18 lakhs. This will be spread across two phases i.e. Phase – I (2 years) and Phase – II (3 years). The main objective of this programme is to provide an opportunity to SC/ST/EWS/Women candidates and 7th/8th Semester engineering students to acquire Technical Knowledge Expansion; Real-time Working

Skills; Technology Use; Problem Solving Skills; Reasoning; Ideation; Analytical Thinking; Interpersonal Skills, etc. in a professional work environment.

NIELIT Guwahati and Extension Centres are offering WBL Internship under this Programme. The candidates are offered internship in areas such as Blockchain, Cloud Computing, Artificial Intelligence and Natural Language Processing. The interns are made to work on a project in their chosen domain. Besides working in these areas, they are also assigned work such as teaching assignments. All together six number of WBL interns have completed the Internship for six months i.e. Level-1. Another ten number of interns

are currently undergoing the Internship in Level-1. Also, there is a provision for undergoing internship for another six months i.e. Level-2 based on the performance of the interns. WBL is a good platform for the interns to learn and also get into a professional work environment.

### **Short Training Program for M.Tech.(IT) Engineering Students of NEHU, Shillong**

A short training program for the Post Graduate - M.Tech.(IT) Engineering Students on academic visit to Kolkata from North-Eastern Hill University (NEHU), Shillong was organized on 25<sup>th</sup> January, 2023 at NIELIT Kolkata.

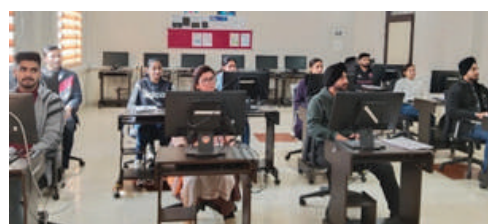


Shri Tapas Trivedy, Sc-D welcomed the students and introduced them about the activities taken up and different training courses being offered by the Centre. A session on Blockchain Technology was delivered by Smt Rashmi Mandal Vijayvergiya, Sc-C and Smt. Krishnakali Kar Khan, STO. Another session on Cyber Security was delivered by Dr. Kalyan Baital, Sc-D, NIELIT.

Smt Vijayvergiya apprised the participants about the National Career Service Portal and the role of the Model career Centre of NIELIT Kolkata and subsequently the candidates got registered in the ncs.gov.in portal. All the sessions were very informative for the 17 participants.

### **Internship in Library and Information Science**

NIELIT Patna conducted a 4 week "Internship in Library and Information Science" programme and issued certificates to the students of Mahila Polytechnic College, Patna.



### **Industrial Training in Artificial Intelligence and Machine Learning**

Six months industrial training in Artificial Intelligence and Machine Learning in joint certification with IIT Ropar commenced on 16<sup>th</sup> January, 2023 with 22 participants.

## **CAPACITY BUILDING PROJECTS**

### **Training/Awareness Programs Conducted Under FutureSkills PRIME Project**

NIELIT Aurangabad has been chosen as lead Centre in the area of Robotics Process Automation and co-lead Centre in the area of IoT, Additive manufacturing/3D-Printing and Social and Mobile technologies under FutureSkills PRIME programme.

Under this project Training of Trainers (ToT) program for NIELIT officials and the faculty members of engineering colleges of Maharashtra, Madhya Pradesh and Daman was started in the month of March, 2023.



Awareness program for bridge courses of FutureSkills PRIME project was organized in engineering colleges of Aurangabad like Government Engineering College, Chatrapati Shahu Engineering College, Maharashtra Institute of Technology, Devgiri Institute of Engineering and Management Science and Peoples Education Society Engineering College.



## Capacity Building Programme in IECT

Under the initiative of MeitY, Govt. of India, a Capacity Building programme in IECT including training in Digital Skill sets and Current Industry Demanding Technologies for various sections of society in the NE States is being implemented by the NIELIT Centres in NE.



Two Capacity building Programmes viz 1.) Basics of Computer & Office Automation 2.) Basics of Electrification & Solar power Technologies were launched at District HQ, Kamjong District w.e.f 30<sup>th</sup> January, 2023 by NIELIT Imphal in the presence of Deputy Commissioner, Kamjong District, one of the remote districts of Manipur.

## Two (02) Week Workshop on AutoCAD and ArchiCAD at NERIST

A Two Week Workshop on AutoCAD and ArchiCAD was conducted in March, 2023 at North Eastern Regional Institute of Science and Technology (NERIST) by NIELIT Itanagar Centre. All together 90 nos. of students were sensitised on AutoCAD and ArchiCAD (2D and 3D).



## Awareness on Cyber Security & Emerging Technologies

One day awareness program on Cyber Security & Emerging Technologies was conducted on 27<sup>th</sup> March, 2023, at Siang Royal Academy by Pasighat Extension Centre of NIELIT Itanagar. All Together 101 nos. of College students were sensitised under the North East Capacity Building (NECB) Project 2.0 sponsored by MeitY, Govt of India.



## Awareness on Use of Mobile Applications for Digital Payment, e-Governance Services, IT Applications, Cyber Security

A three days [15 hours] training program conducted for Women of Gune village of East Siang, Arunachal Pradesh by NIELIT Pasighat Extension Centre of NIELIT Itanagar from 6<sup>th</sup> March, 2023.

All together 35 nos. of women were sensitised on Cyber Security, Digital Payment e-Governance Services, IT applications under the NECB 2.0 project sponsored by MeitY, Govt of India.



## Awareness on Use of Mobile Applications for Digital Payment, e-Governance Services, IT Applications, Cyber Security



A three (3) days [15 hours] training program conducted for Women of Mirbuk/Mongku village of East Siang, Arunachal Pradesh at NIELIT Pasighat Extension Centre of NIELIT Itanagar from 18<sup>th</sup> March, 2023.

All together 32 nos. of women were sensitised on Cyber Security, Digital Payment e-Governance Services, IT applications under the NECB 2.0 project sponsored by MeitY, Govt of India.

## Awareness on Use of ICT Technologies for Effective Farming and Marketing

A two (2) days awareness program on Use of ICT Technologies for effective farming and marketing was conducted for farmers of Yapgo and Tigra village of East Siang, Arunachal Pradesh from 20<sup>th</sup> March, 2023 by, NIELIT Pasighat Extension Centre at the village.

All together 38 nos. of farmers were sensitised under the North East Capacity Building (NECB) Project 2.0 sponsored by MeitY, Govt of India.



## Awareness on Use of Mobile Applications for Digital Payment and e-Governance Services



A one day awareness programs on Awareness on Use of Mobile Applications for Digital Payment and e-Governance Services was conducted for Elderly persons of Belek and Mongku village of East Siang, Arunachal Pradesh on 27<sup>th</sup> February, 11<sup>th</sup> and 13<sup>th</sup> March, 2023 by NIELIT Pasighat Extension Centre at the village.

All together 48 nos. of Elderly persons were sensitised under the North East Capacity Building (NECB) Project 2.0 sponsored by MeitY, Govt of India.

## Capacity Building of School Teachers on IECT Technologies

A six days Capacity Building of School Teachers on IECT Technologies was conducted for School Teachers of East Siang, Arunachal Pradesh from 16<sup>th</sup> to 21<sup>st</sup> January, 2023 and another one on 23<sup>rd</sup> to 28<sup>st</sup> January, 2023 at NIELIT Pasighat Extension Centre.

All together 113 nos. of School Teacher were sensitised under the North East Capacity Building (NECB) Project 2.0 sponsored by MeitY, Govt of India.



## Capacity Building of School Teachers on IECT Technologies

An Eight days [32 Hours] Computer Training program was conducted from 23<sup>rd</sup> to 31<sup>st</sup> January, 2023, Under NECB 2.0, at the NIELIT Tezu, Lohit district, Arunachal Pradesh.

All together 87 nos. of teachers were participated in the training.

## Awareness on Use of Mobile Application for Digital Payment and e-Governance Services

### a. Elderly Person Training at NIELIT TEZU EC, Changliang and Loiliang

Total of Four (4) days awareness on Use of Mobile Application for Digital Payment and e-Governance Services was conducted from 20<sup>th</sup> to 24<sup>th</sup> February, 2023 at different villages under Lohit Dist.



### b. Elderly Persons Training at Hayuliang, Dist Anjaw

One day awareness on Use of Mobile Application for Digital Payment and e-Governance Services was conducted on 15<sup>th</sup> March, 2023 for elderly persons of Hayuliang, Distr. Anjaw.



## Basic of Computer and Office Automation

Six days of computer training on Basic of Computer and Office Automation for Schools Dropouts/Students in the group class viii to xii at NIELIT TEZU EC on 17<sup>th</sup> March, 2023.

All together 101 nos. of students attended the training programme.



## Advance Computer Course in Cyber Security for Bihar Police Officers

NIELIT Patna completed 'Advance Computer Course in Cyber Security' training of 90 hrs. duration for 300 Police Officers (Prob.) of Bihar Police Academy, Rajgir on 30<sup>th</sup> January, 2023.

## Basics Computer on Office Automation for School Dropouts

Basics Computer on Office Automation for School Dropouts was conducted at Sati Raja Memorial Secondary School Rawa Umsning and in Donbosco Technical School in Shillong, Meghalaya. A total of 258 Candidates participated in the training.



## Women Awareness Program on Use of Mobile Application for Digital Payment, e-Governance Services, IT Application, Cyber Security



Women Awareness Program was conducted at laikyntiew College on 9<sup>th</sup> to 11<sup>th</sup> March, 2023 and in Don Bosco Technical School from 6<sup>th</sup> to 8<sup>th</sup> March, 2023 under project Capacity Building in IECT including training in Digital Skill sets and Current Industry Demanding Technologies for various

section of society in the NE States. A total of 90 nos. of Candidates participated in the Program.

## Training in Computer Application, Accounting and Publishing

Training in "Computer Application, Accounting and Publishing" Course was held at Kiang Nongbah College in Jowai on 19<sup>th</sup> January to 16<sup>th</sup> March 2023 and an online course was conducted at Computer voice and accent training Softech Khliehriat on 24<sup>th</sup> January to 21<sup>st</sup> March, 2023. Total of (62) nos of Candidates participated in the courses.



## Training in Computer Application & Networking Course and Internet of Things (IoT)



Training in "Computer Application & Networking" Course was held at Nongtalang on 28<sup>th</sup> February to 19<sup>th</sup> March, 2023 under NECB-2.0 Project Category-II wherein a total of (35) nos of Candidates participated in the courses.

Training in "Internet of Things" (IoT) Courses was conducted at NIELIT Shillong on 04<sup>th</sup> January to 10<sup>th</sup> February, 2023 and at Nehu on 20<sup>th</sup> February to 10<sup>th</sup> March, 2023 wherein a total of (127) nos. of Candidates participated in the courses.

## Training in Solar Power Installation Operation & Maintenance

Training in "Solar Power Installation Operation & Maintenance" course was held at J.J M Nichols Roy College, Shillong on 30<sup>th</sup> March, 2023 under NECB-2.0 Project Category –II which was presided over by Rev Dr A.C Moore, President of the College Governing Body, Mr L Roy, Secretary of the College Governing Body, Principal Rev Dr R.G.M Sohkiah and faculty & Staff member of the college. Training in another batch of the same course was done at Mawlai Presbyterian College, Nongkwar, Shillong on 31<sup>st</sup> March, 2023 which was presided over by Vice Chairman of the College Governing Body, Principal Mrs. C. Laloo and other Faculty & Staff members of the College.

NIELIT Shillong was represented by its officials Shri S Borgohain, Centre in Charge and Shri Bimal D Swer, STO. A total of 115 students have undergone training in the course in both colleges.



## Training in Web or Mobile Technologies

Web or Mobile Technologies Courses was conducted at NIELIT Shillong on 23<sup>rd</sup> December, 2022 to 28<sup>th</sup> February, 2023 and Shillong College on 24<sup>th</sup> February, 2023 wherein a total of 107 no of Candidates undergone training.



## School Teachers Training under NECB2.0 Project Category-IV

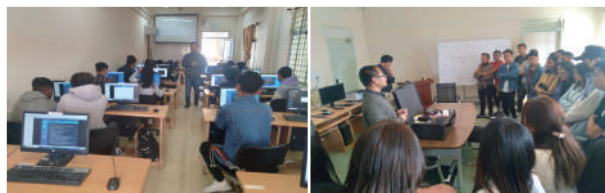


School teachers training under NECB2.0 Project Category-4 was conducted (1-week training) at Laitumkhrah Presbyterian Hr Secondary School, Shillong from 13<sup>th</sup> to 17<sup>th</sup> March, 2023. Training for

the course was also conducted at Synjuk Wahingdoh Secondary School, Shillong from 6<sup>th</sup> to 10<sup>th</sup> March, 2023 followed by training at Brookside Adventist Hr Secondary School, Shillong from 13<sup>th</sup> to 17<sup>th</sup> March, 2023. The last batch of teachers training was held during the month of March at Nongthymmai Nepali Hr Secondary School, Shillong from 27<sup>th</sup> to 31<sup>st</sup> March, 2023. Sessions were conducted by NIELIT Faculties Shri Bimal D Swer and Shri M Khongkhlad. A total of 133 teachers have undergone the training.

## Training Program for ITI Department

A one-week training program was organised for the students of ITI, Government of Nagaland, on Cyber Security. Altogether 65 Students were trained.



# INDUSTRY/ACADEMIA COLLABORATION

## MoU with Wipro Enterprises

NIELIT Calicut & Wipro Enterprises through its WIPRO 3D division entered into an MoU to foster Academic and Skill development activities in the areas of 3D Printing and Additive Manufacturing. The MoU was exchanged between NIELIT Calicut & WIPRO 3D at WIPRO 3D office Bangalore in the presence of Dr. M.M.





Tripathi, DG, NIELIT. Recently NIELIT Calicut started its Skilled Manpower Advance Research & Training (SMART) Lab under chips to startup (C2S) program. This MoU alongwith the SMART lab facility will help NIELIT Calicut to become product centric institute.

## MoU with CSC Academy

NIELIT & Common Services Centers (CSC) Academy signed an MoU for Digital Skilling on 23<sup>rd</sup> February, 2023. Under this MoU 20,000 common Service Centers across the nation will be developed as NIELIT Digital Literacy Centers under डिजिटल सशक्तिकरण क्रांति अभियान of NIELIT under G20 initiative. Lakhs of Beneficiaries will be digitally empowered under this mission. It is important to note that, India is presiding over the G20 presidency of the year 2022-23 and Digital Education is one of the major themes of G20 this year.



To bridge the cybersecurity skills gap in the country, Microsoft and National Institute of Electronics and Information Technology (NIELIT) exchanged an MoU to increase access to skills for jobs. Aiming primarily at underserved youth, women and job seekers from remote areas, it was mutually agreed to deploy Cyber Shikshaa and Ready4Cybersecurity programs in 30 training centers of NIELIT in Tier 2 and Tier 3 towns, with a special focus on Jammu & Kashmir, Ladakh and states in the North-East region of India. Microsoft would scale the program in subsequent years to integrate cybersecurity

training programs in all the training centers of NIELIT. Nearly 3500 learners will undergo training and receive internship or employment opportunities for in-demand cyber security jobs.

## MoU with IBM

NIELIT signed an MoU with IBM to collaborate for Skill Development and Academic activities by leveraging Educational Resources of both the organizations. Under this MoU, IBM will collaborate with NIELIT to assist with skill development and curriculum improvements by making available select software, courseware and other resources of IBM SkillBuild. It will also provide the opportunity to explore educational resources, tutorials and experiment with quantum devices through the IBM Q experience.



## MoU signed with DITU

National Institute of Electronics & Information Technology (NIELIT) signed an MoU with DIT University, Dehradun to strengthen the academic collaboration and offer internship/trainings on Emerging Technologies.



The MoU has been exchanged between Dr. M M Tripathi, DG, NIELIT and Prof G. Raghuram, VC, DITU in the august presence of Shri N. Ravi Shanker, IAS (Retd.), Chancellor, DIT University. Sh. Anurag Kumar, Director In-charge, NIELIT Haridwar & other officials were also present during the event.

## Signed MoU with Uttarakhand Technical University

Shri Anurag Kumar, Director-In-Charge, NIELIT Haridwar and Shri R P Gupta, Registrar, Uttarakhand Technical University signed an MoU on 27<sup>th</sup> January, 2023 in the presence of Hon'ble Minister of Technical Education, Shri Subodh Uniyal, Sh. Ravinath Raman, IAS, Secretary, Technical Education, Government of Uttarakhand and Dr. Omkar Singh, Vice Chancellor, Uttarakhand Technical University. The MoU focusses on academic collaboration and promotion of skilling activities for the benefit of students.



## Signed MoU with Govt. Polytechnic

Shri. Anurag Kumar, Director-In-Charge, NIELIT Haridwar and Shri. A K Singh, Principal Govt. Polytechnic, Haridwar signed an MoU on 18<sup>th</sup> January, 2023. The MoU focusses on Inter-Institutional Association for promoting IT skilling among students.

## NIELIT J&K Signs MoU with Salvatore International School Srinagar

NIELIT J&K and Salvatore International School (SIS), Kashmir, signed an MOU on 9<sup>th</sup> January, 2023. Under the ambit of the MoU, NIELIT and SIS shall collaborate in order to contribute towards the skilling of the students enrolled in classes from class 5 onward to class 12 at SIS so that they can acquire basic IT literacy at school level. The aim is to create competitive and innovative students. These courses can be offered in the form of a basic programming course to the 5<sup>th</sup> class, Computer Skill and Awareness Courses like ACC, BCC, CCC to the 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> classes, respectively, and Four (04) modules of the NIELIT O-Level Course from the 9<sup>th</sup> to 12<sup>th</sup> class respectively. Salvatore International School became the first private school in the UT of Jammu and Kashmir to roll out the Digital Literacy curriculum of National Institute of Electronics and Information Technology (NIELIT).



## MoU with JAPFU Christian College, Kohima

NIELIT Kohima signed a MoU with JAPFU Christian College, Kohima as a "Training Partner" to impart various IT Courses. The MoU states to provide a detailed Course syllabus and course Action plan to the training partner, and will assure a quality check of the courses conducted by training partner by means of periodical inspections. The MoU was signed by L Lanuwabang, Director i/c, NIELIT Kohima and Dr Visakhono Hibo, Principal of Japfu Christian College, Kohima, Nagaland.

## Signed MoU with SMJN PG College

NIELIT Haridwar and SMJN PG College, Haridwar signed a MoU on 11<sup>th</sup> January, 2023 for Inter-Institutional Association for promoting IT Skilling among students. The MoU was signed by Shri Mahant Ravindra Puri Ji, President, Management Committee, SMJN PG College, Haridwar and Shri Anurag Kumar, Director-In-Charge, NIELIT Haridwar.





# R&D PROJECTS AND INNOVATION

## 2<sup>nd</sup> PRSG Meeting of "Design & Development of EEG Based Real-Time Depth of Anaesthesia (DoA) Monitoring System"

The 2<sup>nd</sup> PRSG meeting of "Design & Development of EEG Based Real-Time Depth of Anaesthesia (DoA) Monitoring System" project sponsored by MeitY was held under the chairmanship of Prof. MV Padma Srivastava, Head, Department of Neurology Chief Neurosciences Centre, AIIMS, New Delhi on 11<sup>th</sup> March, 2023 in hybrid mode at NIELIT Imphal.



# STUDENTS SECTION

## Participation of NIELIT Delhi Students in Global Universal Acceptance Day

NIELIT Delhi Students participated in Global Universal Acceptance Day, celebrated on 28<sup>th</sup> March, 2023 at Manekshaw Center, Delhi. More than 150 students and staff members of NIELIT Inderlok office and NIELIT East Delhi Office participated in the event hosted by MeitY through NIXI in collaboration with ICANN and UASG. Students were enlightened about Universal Acceptance (UA) being a fundamental requirement for a truly multilingual and digitally inclusive Internet and it ensures that all domain names, including long new TLDs and IDNs and email addresses are treated equally and can be used by all Internet-enabled applications, devices and systems.



## Placement Drive at NIELIT srinagar

A placement drive was held under Model Career Center, NIELIT J&K, Srinagar in partnership with North India Coffee Pvt. Ltd., Srinagar on 27<sup>th</sup> February, 2023. A total of 117 applicants registered for various positions, 64 showed up for interviews and 27 were shortlisted.

## Placement Drive at NIELIT Jammu

NIELIT Jammu in collaboration with NCSC Jammu organized a 2-day campus placement drive on 3<sup>rd</sup> and 4<sup>th</sup> January, 2023. A total of 130 candidates were registered and 15 were shortlisted.



## Placement of ITES BPO and Hotel Management Sector

More than 40 students of BPO expert course have attended the interview for BPO and Hotel Management Sector at Manipur Job Fair held on 18<sup>th</sup> February, 2023.

## NIELIT Aizwal Annual Sports 2023

Annual Sports was conducted for the regular students of NIELIT Aizawl during 15<sup>th</sup> to 17<sup>th</sup> February, 2023. The participants are the students of DCSE, DETE, BCA, MCA and M.Sc. (Electronics). There was various outdoors and indoors individual and team competition in the sports. The overall winner of NIELIT Aizawl Annual sports are team of Red House.



# CSR ACTIVITIES

## Field Visit of Vocational Students



NIELIT Imphal conducted an Awareness program on "Cyber Security and Emerging Technologies" to the students visited as a part of Vocational Education from different schools headed by Vocational Exposure Team of Education Dept. Govt. of Manipur. 25 Male and 81 Female students of six

schools attended the Awareness program held at NIELIT IMPHAL seminar hall on 28<sup>th</sup> February 2023.

## Industrial Visit on "Artificial Intelligence and IoT"

NIELIT Chandigarh at its Ropar campus organised an industrial visit and a session on "Artificial Intelligence and IoT" for 120 students of BTech CSE and BTech in AI 2<sup>nd</sup> semester of Chandigarh Group of Colleges, Landran, Punjab on 9<sup>th</sup> March, 23.



# INAUGURATIONS & OTHERS

## Secretary, MeitY visited Aurangabad

Shri Alkesh Sharma, Secretary MeitY was welcomed by Dr. Sanjeev Kumar Gupta, Executive Director, NIELIT Aurangabad on 10<sup>th</sup> March, 2023 at Aurangabad Airport. He was briefed about the activities of NIELIT Aurangabad by Dr. Sanjeev Kumar Gupta.



## Inauguration of NIELIT Kolkata Salt Lake Building



The own Campus of NIELIT Kolkata Centre at Salt Lake, Kolkata was inaugurated by Shri Alkesh Kumar Sharma, IAS, Secretary, MeitY in presence of Dr. Madan Mohan Tripathi, Director General, NIELIT, Shri V. Krishnamurthy, Executive Director, NIELIT Kolkata and other NIELIT

Kolkata employees and students on 25<sup>th</sup> March, 2023. A review meeting of the Agriculture Census Project undertaken by the Centre was also taken on 25<sup>th</sup> March, 2023.



## International Women's Day Celebrated

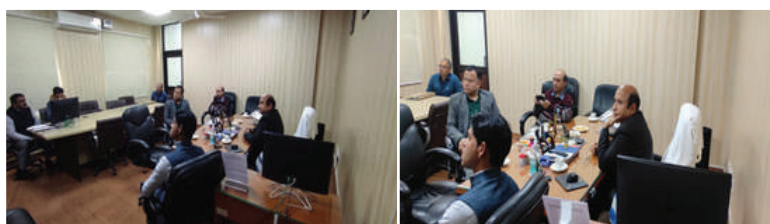
International Women's Day was celebrated at NIELIT Aurangabad. Smt. Pravina Yadav, Inspector of Police, Cyber Crimes Division, Aurangabad was the Chief Guest for the function organised at NIELIT Aurangabad. Dr. Sanjeev Kumar Gupta, Executive Director, NIELIT Aurangabad welcomed the chief guest and shared his views on the occasion of International Women's Day.



To mark the importance of International Women's Day, Nagaland joined the rest of the world in celebration under the theme "DigitALL: Innovation and technology for Gender equality". A technical workshop on the theme "Women in Technology: Scope for information Technology" was also conducted with Smt. Er. Moakumla, an Official from NIELIT Kohima, as the resource person.

## Meeting Regarding Academic Collaboration

A meeting was held between Director-In-charge, NIELIT Haridwar and Prof (Dr) Manish Sharma, Director & Prof (Dr) Amit Dixit, Registrar of Quantum University regarding exploring possibilities of academic collaboration and MoU Signing.



## 'Boot-camp 1.0 on Drone/UAS Allied Technologies' at NIELIT Calicut

NIELIT Calicut has conducted the 'Boot-camp 1.0 on Drone/UAS technologies' under the MeitY funded 'Capacity building for human resource development in Unmanned Aircraft System (Drone and related Technology)'. The major topics covered include Drone Forensics, Image Processing using Open CV, Python Programming, Building FPV Drone, Piloting FPV Drone, Agricultural Use case for Drone, Civil Aviation Requirements for Drone, Drone Airport Use cases, Drones / UAV in the Defense Sector, Open hardware platforms for Drones, 3D Printing & Additive Manufacturing for drones etc.



Scientists from ICAR-IISR have also visited and explained the importance of DRONE in agriculture with demo sessions. The programme was organized from 22<sup>nd</sup> to 26<sup>th</sup> March, 2023 at NIELIT Calicut and around 40 candidates from different places of India attended the sessions.

## Participated in "State Skill Mela & Stakeholders Interaction Programme"



NIELIT Imphal participated in "State Skill Mela & Stakeholders Interaction Programme" organized by Manipur Society for skill Development, Department of Skills, Labour & Employment and Entrepreneurship, Govt. of Manipur under SANKALP Project of the Ministry of Skill Development and Entrepreneurship Govt. of India on 28<sup>th</sup> March, 2023 at Manipur Trade and Expo Centre, Lamboi Khongnangkhang, Imphal, Manipur.

## IoT Demonstration at Senapati

NIELIT Senapati Participated and Demonstrated on Internet of Things (IoT) at District skill Mela held on 2<sup>nd</sup> March, 2023 at Multipurpose Hall, Opp. DC Office, Mini-Secretariat Complex organized by The District Skill Committee, Senapati under the office of the Deputy Commissioner, Senapati District, government of Manipur. Around 250 People attended the event.



## VC of Himalaya University Visited NIELIT Itanagar

Prof. K.K Sharma, VC of Himalaya University along with his staff visited NIELIT Itanagar Centre on 10<sup>th</sup> January, 2023. Director In-Charge briefed the VC about the projects that NIELIT is running currently in Arunachal & in its ECs and other activities. Prof. Sharma had shown keen interest to sign a MoU and for future collaborations in the interest of the state.

## Celebration of Republic Day in NIELIT

On the auspicious occasion of 74<sup>th</sup> Republic Day, Dr. M. M. Tripathi, DG, NIELIT hoisted the National Flag in the premises of NIELIT Bhawan, accompanied by the staff and sang the National Anthem. NIELIT Centres all over India have also joined the celebrations.



## NIELIT Jammu Attended JAK Rifles Veterans Sampark Rally

The 'Veterans Sampark Rally' was attended by over 800 ex-servicemen, war veterans, veer naris and next of kin of fallen heroes hailing from Jammu district of Jammu and Kashmir belonging to the regiment. The rally was conducted to address problems faced by ex-servicemen, veer naris and to also create awareness about various welfare schemes being run by Indian Army, Central and State Governments. NIELIT Jammu showcased its various training programs and courses at the event. Benefits of all these training programs and various job opportunities available were also discussed in detail.



## Mega Job Fair at NIELIT Aurangabad

Under Model Career Centre project, NIELIT Aurangabad in association with Placement Cell (Dr. BAMU) organized 59<sup>th</sup> Job fair on 21<sup>st</sup> March, 2023. More than 20+ IT companies participated including Persistent System, Cognizent, Atos India, NeoSoft, Wipro Technologies, Angular Minds, Outworx among others for about 500 job vacancies. More than 1500 candidates registered for this event. Dr. Bhalchandra Baburao Waykar, Dean (Science & Technology) was the chief guest. Dr. Girish Kale (Placement Officer at Dr. Babasaheb Ambedkar Marathwada University) helped NIELIT Aurangabad in the organizing of the job fair and mobilization of Companies and candidates.





## Expert Talk on Quantum Computing

Dr. Sanjeev Kumar Gupta, ED, NIELIT Aurangabad delivered an expert talk on Quantum Computing as a Resource Person for Two Days National Level Workshop conducted by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad Maharashtra. The participants were explained regarding intricacies of Quantum Computing viz Introduction of Quantum Computing, History of Quantum Computing, Real-World Example of a Quantum Computer, Role played by our Ministry and GoI in Promoting Quantum Computing in India, What is Quantum Computing?, How Quantum Computers Work?, Applications of Quantum Computing, Challenges of Quantum Computing, Concept of Qubit, Implications of Superposition, Quantum Logic Gates, Quantum Teleportation, Peter Shor's Code-Breaking Quantum Algorithm, Timelines, Road Ahead among others.



## Expert Talk on "Details of UG and PG Curriculum Structure to be Framed in Line with NEP-2020"



Dr. Sanjeev Kumar Gupta, Executive Director NIELIT Aurangabad delivered a talk on "Details of UG and PG curriculum structure to be framed in line with NEP-2020. The Talk stressed that "Introduction of technology" as a mandatory part at UG/ PG level is one of the key requirements towards implementation of NEP. Technologies like AI, Machine Learning, BigData are becoming mandatory requirement for handling huge amount of data and supplementing human intelligence for all the fields including Basic Sciences, Humanities, Commerce, Medical etc.

## Visit of Shri Prasad Ramdasi, Global Practice Head Wipro Ltd. to NIELIT Aurangabad

Shri Prasad Ramdasi, Global Practice Head, Wipro Limited visited the campus of NIELIT Aurangabad. Areas of joint collaboration between NIELIT Aurangabad and Wipro were explored including Corporate Training programs in the area of Embedded Systems Design, Internship opportunity for students among others.



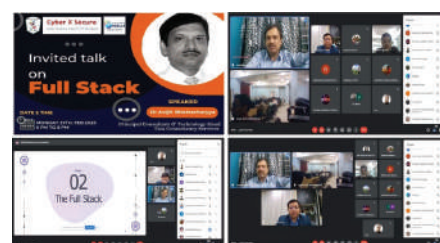
## Expert Talk by Shri Prashant Deshpande, Founder & Managing Director at Expert Global Group



NIELIT Aurangabad organised Industry Expert Talk by eminent Industrialist Shri Prashant Deshpande, CEO, Expert Global Solution and MD, EC Mobility Founder & Managing Director at Expert Global Group (An Alten Company) on Industry 4.0 and eMobility (Driverless Cars) on 21<sup>st</sup> Feb, 2023.

## Talks from Industry Experts

NIELIT Guwahati and Cyber X Secure Club, Central Institute of Technology, Kokrajhar (CITK) have jointly organized an invited talk on Full Stack Development by industry expert on 27<sup>th</sup> February, 2023. Dr. Yumnam Jayanta Singh, Executive Director, NIELIT Guwahati, Dr. Saurov Mahanta, Senior Technical Officer, NIELIT Guwahati, Dr. Pranav Kr. Singh, AER, CITK and Mr. Bikramjit Choudhury, Assistant Professor, Department of Computer Science and Electronics, CITK, acted as the Guests of Honour for the talk. The lecture was delivered by Dr. Avijit Bhattacharyya, Principal Consultant & Technology Head, Tata Consultancy Services.



## Brig. Uttam Hukku, VSM, ADG, DGR Visited NIELIT Chandigarh

Brig. Uttam Hukku, VSM, ADG, DGR visited NIELIT Chandigarh. He was welcomed by Sh. Subhanshu Tiwari, Executive Director, NIELIT Chandigarh. Dr Manish Arora, AD, apprised him about various trainings being conducted under DGR sponsored scheme.



## Inaugural Function of New Batch of 'O' Level

Inaugural function of new NIELIT 'O' level batch held on 17<sup>th</sup> February, 2023 in NIELIT Patna Campus. Senior officer from DGR, Lucknow and Shri D.S. Oberoi, Director NIELIT Patna attended the program and interacted with the participants.

## Nagaland Staff Selection Board Exam Conducted

Nagaland Staff Selection Board (NSSB), one of the prestigious State exams was successfully conducted at NIELIT Kohima from 16<sup>th</sup> to 18<sup>th</sup> March, 2023. The institute provided the infrastructure services and human resources for proper management for smooth conduct of examination.



## Cyber Security Week

The students of NIELIT Kohima conducted a one-week Cyber Security Awareness event under the initiative for Cyber Security Awareness Society in NE States. The event was held as a part of co curriculum activities by conducting various competitions with an aim to establish awareness concerning cyber security amongst the students and faculty as a whole.

## EduTech Festival 2023

Shri Vanlalhmangaiha Khiangte, Sc-C, Dr. Vanlalhruaia, STO and Lalsiamkima, Faculty of NIELIT Aizawl participated in EduTech Festival 2023 organised by SCERT Mizoram on 27<sup>th</sup> February, 2023 at SCERT Chaltlang.



## Session on Women Empowerment & Vigilance Awareness



A Session on Women Empowerment & Vigilance Awareness was organized on 24<sup>th</sup> March, 2023 at NIELIT headquarter, New Delhi. Ms. Tulika Pandey, Scientist G, MeitY & CVO NIELIT was invited as the Chief Guest, who shared her valuable insights on more inclusive & Vigilant



Society with NIELIT officials from across India. DG NIELIT, Dr. Madan Mohan Tripathi shared his thoughts on Women Empowerment & Vigilance Awareness. Ms. Sheetal Chopra, Additional Director, Ms. Vimala Mathew, DIC Daman and Ms. Chetna Rathor, Additional Director shared their views.

## Swachhta Pakhwada

Swachhta Pledge has been taken by NIELIT officials on the inaugural day of Swachhta Pakhwada from 1<sup>st</sup> to 15<sup>th</sup> February, 2023 to drive and promote awareness towards cleanliness.



NIELIT has also organised a lecture on "Plastic Waste Management & Ban of Single-use Plastic" under Swachhta Pakhwada to aware officials about the impact of Single-use plastics on the environment.

## PAPERS PUBLISHED

### Research Papers of NIELIT Aurangabad Staff Members Published in International Conference Proceedings Of IEEE

Four research papers by NIELIT Aurangabad Staff members got published in IEEE International Conference

1. Mr. Saurabh Bansod (Scientist 'C'), Mr. Prashant Pal (Scientist 'B'), Mr. Shashank Kumar Singh (Scientist 'B'), Mr. B Selvin Sanjay of NIELIT Aurangabad published Research paper titled 'Artificial Intelligence based Power Fault Detection and Power Restoration' in 6th International Conference on Electronics, Communication and Aerospace Technology (IEEE), 2022. Proceedings of the Sixth International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022) IEEE Xplore Part Number: CFP22J88-ART; ISBN: 978-1-6654-8271-4
2. Mr. Yogesh Kumar (Scientist 'B'), Mr. Prashant Pal (Scientist 'B'), Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Tushar Prakash Pardhe, Mr. Yash Mahadev Jogdande, Mr. Sahil Balasaheb Landge of NIELIT Aurangabad published Research paper titled 'Alcohol Detection and Traffic Sign Board Recognition for Vehicle Acceleration Using CNN' in 4th International Conference on Circuits, Control, Communication and Computing (IEEE), 2022. 4TH INTERNATIONAL CONFERENCE ON CIRCUITS, CONTROL, COMMUNICATION AND COMPUTING (I4C-2022), 21 - 23 DECEMBER 2022
3. Mr. Chaitanya Kadadas (Scientist 'C'), Mr. Prashant Pal (Scientist 'B'), Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Avinash Padmakar Rangari, Ms. Ashwini Ravindra Chouthmol of NIELIT Aurangabad published Research paper titled 'Deep Learning based smart traffic light system using Image Processing with YOLO V7' in 4th International Conference on Circuits, Control, Communication and Computing (IEEE), 2022. 4TH INTERNATIONAL CONFERENCE ON CIRCUITS, CONTROL, COMMUNICATION AND COMPUTING (I4C-2022), 21 - 23 DECEMBER 2022
4. Mr. Saurabh Bansod (Scientist 'C'), Mr. Prashant Pal (Scientist 'B'), Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Saurabh P. Pandey of NIELIT Aurangabad published Research paper titled 'Design of Abdominal Pain Reliever based upon the Principle of TENS' in 5th International Conference on Smart Systems and Inventive Technology (IEEE), 2023. Proceedings of the 5th International Conference on Smart Systems and Inventive Technology (ICSSIT 2023) IEEE Xplore Part Number: CFP23P17-ART; ISBN: 978-1-6654-7467-2

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