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NEWSLETTER

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HIGHLIGHTS

- Inauguration of Artificial Intelligence Lab at NIELIT Srinagar
- Training Program on Cyber Security for the IT Dept. Officials
- 25th Director's Meet Held
- MoU Signed with IIITM
- Launch of Centre of Excellence (CoE) in Cyber Security
- MoU Signed with Madan Mohan Malviya University, Gorakhpur
- Workshop on "5G for Everyone"
- 1st session of Tech वार्ता organised at NIELIT HQ

EDITOR-IN-CHIEF'S DESK



Dear Readers,

We are thrilled to present to you the NIELIT Newsletter for the 2nd quarter of 2023, a period marked by significant milestones and noteworthy events.

One of the highlights of this quarter was the inauguration of the Artificial Intelligence Lab at NIELIT Srinagar by Sh. Alkesh Kumar Sharma, IAS, Honourable Secretary, MeitY, Govt. of India. The event was graced by distinguished guests, including Prof. Nazir Ahmad Ganai, Hon'ble Vice Chancellor of SKUAST, Dr. M.M. Tripathi, Director General of NIELIT, and Shri Abhishek Sharma, IAS, CEO of JaKeGA.

NIELIT also expanded its horizons through the signing of 18 MoUs with various universities, institutions, and startups for academic collaboration and joint skilling. These partnerships included IIITM Gwalior, Global IEEE Institute for Engineers, and L&T Skill Trainers Academy, among others.

In this edition, we invite you to delve into the diverse activities and engagements that transpired in this quarter, including our meeting with ITI Egypt officials and much more.

We would like to extend our heartfelt gratitude for your unwavering support. We sincerely hope you find this edition of the NIELIT newsletter informative and engaging. Your valuable suggestions and feedback are always welcome at newsletter@nielit.gov.in.

Dr Pratap Kumar S

NEWS AT A GLANCE

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IMPORTANT EVENTS

Inauguration of Artificial Intelligence Lab at NIELIT Srinagar

Sh. Alkesh Kumar Sharma, Secretary, Ministry of Electronics and Information Technology, Govt. of India, inaugurated the Artificial Intelligence Lab and Boys Hostel at NIELIT Srinagar on April 1, 2023. The inauguration took place at the NIELIT campus in Srinagar and was attended by distinguished guests, including Prof. Nazir Ahmad Ganai, Hon'ble Vice Chancellor of Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-Kashmir), Dr. M.M. Tripathi, Director General of NIELIT, and Shri Abhishek Sharma, IAS, CEO of Jammu and Kashmir e-Governance Agency (JaKeGA), Government of J&K. Dr. Ayaz Hassan Moon, former Executive Director and Scientist-G NIELIT and Dean School of Engineering and Technology, IUST and Prof. T. H. Masoodi, Registrar, SKAUST-Kashmir and Sh. Shameem Khan, Director In-Charge, NIELIT J&K.



Shri Alkesh Kumar Sharma, Secretary (MeitY), while addressing the gathering, appreciated the efforts done by NIELIT J&K in imparting IT Education within the U.T. He applauded the initiative taken by NIELIT J&K to setup the Artificial Intelligence lab, and highlighted that India is going to become the second largest ecosystem in AI technology. He assured that he would provide every possible help to the youth of J&K to increase their competencies in the field of Information Technology. Shri Abhishek Sharma, CEO, JaKeGA, appreciated the efforts of NIELIT J&K in generating IT skilled manpower within the U.T. of J&K.

25th Director's Meet Held

NIELIT hosted its 25th Director's meet at NIELIT Ropar campus on 20th and 21st May, 2023. The meet was chaired by Dr M. M. Tripathi, Director General, NIELIT. Executive Directors and Directors from various NIELIT Centres across India attended the meet. The Chief Guest of the inaugural ceremony, Professor Rajeev Ahuja, Director IIT Ropar laid stress on establishing Electronics Manufacturing unit in Ropar. The theme of the meet was "Skilling in Electronics Manufacturing and Emerging Technologies". Booklet on NIELIT's yearly report was also launched during the Director's meet.



Launch of Centre of Excellence (CoE) in Cyber Security

Dr. Arun Kumar Mehta, Chief Secretary, UT of J&K, launched the Centre of Excellence (CoE) in Cyber Security, established by the IT Department in collaboration with NIELIT, J&K. CoE shall be a centre for the officers and officials of the government to learn about the latest trends and techniques for ensuring the security of official web portals and websites.

The Chief Secretary instructed the IT Department to make the training mandatory for the employees of the department, besides creating separate modules for imparting the basic level training to all the employees designated by the departments and a high-level skill course for the technically proficient people who would look after the cyber security of government websites and its portals.

Commissioner Secretary, IT, Smt. Purna Puri also apprised that the centre was taking 60 officers and officials each as the first batch at the Jammu and Srinagar campuses of the NIELIT for their 15-day training and capacity-building programme in cyber security.



Demonstration of the IoT & Robotic Lab at NIELIT Guwahati

On 03rd April 2023, Demonstration of the newly setup "IoT & Robotic Lab" at NIELIT Guwahati was given to Shri. Bhuvnesh Kumar, IAS, Additional Secretary, MeitY in presence of Dr Y. Jayanta Singh, Executive Director. The Lab has facilities of Advanced NVIDIA Boards like Jetson Xavier AGX Board & Nano Board and Robotic equipment like JETMAX Robotic Arm, etc. for advanced hands-on on AI, IoT and Robotic experiments. The demonstration was given by Sri Anil Kr Shaw, Sc-C, who is the in-charge of the lab. Shri Bhuvnesh Kumar reviewed a presentation on the ongoing projects and activities of NIELIT Guwahati and its extension centres in Assam and appreciated the skilling effort given by NIELIT in Assam in the areas of IECT.



CONFERENCES/ WORKSHOPS

Inauguration of 5-Day Workshop on Transcriptomic Data Analysis

Shri. Bhuvnesh Kumar, IAS, Additional Secretary, MeitY, Government of India, inaugurated a 5-day workshop on 'Transcriptomic Data Analysis' organized by ICT in the Life Sciences lab of NIELIT Guwahati on 03rd April, 2023. The workshop, attended by faculty members and research scholars from various universities and NITs in India, is focused on hands-on learning. Dr. Saurov Mahanta, STO, NIELIT Guwahati is coordinating the workshop under the guidance of Dr. Y. Jayanta Singh, Executive Director, NIELIT Guwahati.



Workshop for Sarpanches to Enhance Employability of Rural Youth in ITES

NIELIT at its Ropar campus organised a workshop for more than 60 Sarpanches of Punjab on 27th June, 2023. The aim of the workshop was for enhancing employability of rural youth in ITES. Dr. Preeti Yadav, DC Ropar inaugurated the workshop. Addressing the participants, she



appreciated the role being played by NIELIT Ropar in creating awareness about how technology can help in the empowerment of farmers & rural students. Dr. Sanjeev Gupta, ED, NIELIT Chandigarh apprised the sarpanches about the various skilling courses being run at NIELIT Ropar. He also promised all possible help from the side of Centres in skilling rural youths in self-employment and job-related areas of IT, Electronics and Communication technologies viz Office Automation, Web Designing, Multimedia, CHM, IoT, Programming to name a few. He further emphasized that now Drones, IoT and other technologies are even saving valuable farmers life by taking on hazardous tasks like sprinkling of pesticides.

Workshop on "5G for Everyone"



National Institute of Electronics and Information Technology, Chandigarh conducted an online Workshop on "5G for everyone" on 25th April, 2023 which was attended by students and academicians. The participants were taught about the 5G technology, Cellular Networks ecosystem, Applications, Use Cases and 5G for Private Networks. Sh. Subhanshu Tiwari, ED,

NIELIT Chandigarh, an industry expert of 5G apprised about the scope and future of 5G. The workshop was conducted by Ms Anita Budhiraja, Scientist D and Dr Sarwan Singh, Scientist D.

Workshop on Data Analytics using Excel

A full day workshop at Punjabi University Patiala was conducted on Data Analytics using Excel for the students of BCA and MCA. Various data analysis options and tools were apprised to the students. Over 110 candidates attended the session which was conducted on 11th April, 2023 by Ms. Meenu Dhir, Scientist D.



Webinar on "Open AI and ChatGPT"



A webinar on "Open AI and ChatGPT" was conducted on 21st April, 2023 which was attended by more than 20 students, professionals and academicians. The students were demonstrated the various ChatGPT areas and outputs. They were told about NLP, Working with ChatGPT and OpenAI app, Prompt Engineering, Leveraging ChatGPT for productivity. The workshop was conducted by Ms Anita Budhiraja and Dr Sarwan Singh.

Webinar on "Augmented and Virtual Reality"

A webinar on "Augmented and Virtual Reality" was conducted on 8th May, 2023. It was conducted by Dr. Sarwan Singh, DD. Participants were made aware about the role of AR-VR especially in Educational Eco System, the role of Metaverse, Use Cases and Applications of AR-VR, tools of AR-VR like A-Frame and Unity.





Workshop on "Best out of Waste Craft Ideas"

A workshop on "Best out of waste craft ideas" for the students of various long term and short-term courses was organised on 24th April, 2023 at NIELIT Ropar campus. The art was demonstrated by members of an NGO working on this theme.

Workshop on Robotic Process Automation with AI

A workshop on Robotic Process Automation with Artificial Intelligence: Current Market Trends, Job roles and Employment was organised online on 11th April, 2023. During the workshop Arvind Thothadri, Vice President, Partner Enablement and Academic Alliances and Shri Krishna Raju, Senior Manager, Global Academic Alliance and Training Partnerships of Automation anywhere delivered expert talk and provided valuable insight in the RPA technology.



Workshop on Cyber Security for State Govt. officers

A workshop on Cyber Security was conducted for the state government officers of Aspirational District Haridwar. On this occasion, Shri. Anurag Kumar, Director-In-Charge of NIELIT Haridwar, addressed the Government Officers and emphasized the importance of digital skilling in the growth of the youth of aspirational districts. Ms. Neetu Bhandari, Chief Treasury Officer, Haridwar and Shri A.K.Singh, Principal, Govt Polytechnic, Haridwar and many other dignitaries also graced the occasion by their presence.



Workshop on "COVID-19 Pandemic Prevention and Cure"



A workshop was organised on 18th April, 2023 on the topic "COVID-19 pandemic prevention and cure" for SMJN PG College students. Shri Anurag Kumar, Director-In-Charge addressed the participants and explained how technology helped in fighting the COVID-19 pandemic. Mr. Nikhil

Ranjan shared about the latest updates of the Aarogya Setu app and also Dr. Akhilesh Shukla expressed his views on how can we live a healthy life in such a pandemic.

Workshop on 'E-waste Management'

NIELIT Jammu Centre conducted a workshop on 'E-waste management' on 8th June, 2023. The primary objective of the workshop was to raise awareness about the detrimental impact of e-waste on the environment and emphasize the significance of efficient e-waste management. Participants were made aware of the harmful effects of e-waste on the environment and the importance of its effective management. The workshop emphasized the importance of recycling e-waste. Participants were educated about the various recycling methods and technologies available to extract valuable materials from e-waste and

reduce the burden on natural resources. An e-waste collection drive was taken up the centre, where in the staff, faculty and students were encouraged to 'Donate or Dump' their e-waste. Staff, faculty, and students were encouraged to participate in the drive and contribute their e-waste items.



Webinar on "Future Career Counselling & Career Guidance"

A Webinar on "Future Career Counselling & Career Guidance" was held on 26th May, 2023 at NIELIT Srinagar under the Future Skill Orientation and Mentorship Program. This program aimed to provide valuable insights and guidance to individuals regarding their future career paths and equip them with the necessary skills for success in the rapidly evolving job market.

Workshop at NIELIT Calicut

A workshop to create NSQF Qualification file was organized at NIELIT Calicut between 19th June to 23rd June 23. The workshop was organized for the technologies VLSI, Embedded Systems, IoT, Drone Technology and Robotics. The experts from various NIELIT centres developed the Qualification File under the guidance of Dr Jayaraj U Kidav, ED, NIELIT Aurangabad.



CORPORATE TRAINING/ FDPs

School Teachers Training under NECB2.0 Project

NIELIT Shillong conducted School teachers training under NECB2.0 Project at Holy Child Hr Sec School, Shillong from 28th to 04th May, 2023, at St Anthony's Hr Sec School, Pynursla from 15th to 19th May, 2023 and at H. Elias Memorial Hr Sec School from 19th to 23rd June 2023. A total of 154 teachers registered for the training.

Police Officials Training on MS office & Basics of Cyber Security for Assam Police

On 15th May 2023, NIELIT Guwahati started a 05 days Customized hands-on Corporate training programme on MS Office and Basics of Cyber Security for the newly recruited personnel of Assam Police Commissionerate, Guwahati, Assam Police



Advanced Level Training on Cyber Forensics for Law Enforcement Agency

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 (Level 3) Cyber Forensics Training for Law Enforcement Agency for 5 days (30+ hours) from 30th May to 3rd June, 2023 at NIELIT Shillong. The nominated officials are those who have completed Beginners Level (Level 2) programs earlier. A total of 20(twenty) officials attended the training program.



BCC Training Program for District Sports Officers



NIELIT Ranchi Organized Five Days Basic Computer Course (BCC) Training Program for 20 District Sports Officers, Department of Tourism, Arts, Culture, Sports & Youth Affairs Govt. of Jharkhand from 15th to 19th May, 2023 at Shri Krishna Institute of Public Administration (SKIPPA), Ranchi.

BCC Training Program for Account Officers

NIELIT Ranchi Organized Five Days Basic Computer Course (BCC) Training Program for 15 Nos. of Account Officers, Department of Urban Development & Housing, Govt. of Jharkhand from 22nd to 26th May, 2023 at Shri Krishna Institute of Public Administration (SKIPPA), Ranchi.



BCC Training Program for officials of Jharkhand Administrative Service



NIELIT Ranchi Organized Five Days Basic Computer Course (BCC) Training Program for 45 officials of Jharkhand Administrative Service, Govt. of Jharkhand from 29th May to 02nd June, 2023 at Shri Krishna Institute of Public Administration (SKIPPA), Ranchi.

FDP on "Machine Learning for Computer Vision"

A full day one-week Faculty Development Programme (FDP) on "Machine Learning for Computer Vision" was conducted from 12th to 16th June, 2023 for 46 Associate/Assistant Professors of Universities/ Colleges of Punjab in residential mode in GNA University, Phagwara. The FDP was conducted by Ms. Anita Budhiraja, Scientist D, NIELIT Chandigarh and Dr Sarwan Singh, Scientist D, NIELIT Chandigarh.



FDP for NCPUL Faculties



NIELIT Chandigarh conducted 4 days Faculty Development program for NCPUL (National Council for Promotion of Urdu Language) faculties from J&K, Ladakh, Punjab and Himachal

Pradesh at Srinagar from 21st June, 2023 to 24th June, 2023. The FDP was conducted to train the faculty on the new syllabus designed comprising of emerging technologies. The training was conducted by Ms Sonia Suri, Scientist D and Ms Shaweta Sharma, Scientist D, NIELIT Chandigarh.

FDPs for Chandigarh's Government School Teachers

NIELIT Chandigarh started a series of FDPs for Chandigarh's Government school teachers on 26th June, 2023. Two batches of one week each in "Office Automation" have been successfully completed for 50 teachers. The training was to upskill the faculty in IT tools and provide them hands on exposure. The faculty was addressed by Dr Sanjeev Gupta, ED, NIELIT Chandigarh and Dr Manish Arora, Additional Director, NIELIT Chandigarh. The training was conducted by Ms Jyoti Sharma, DD, NIELIT Chandigarh.



FDP for Teachers in "Cyber Security"

NIELIT Chandigarh successfully completed an FDP batch for 26 teachers of Chandigarh's Government schools in "Cyber Security". The two-week training upskilled the faculty in the cyber security area. The faculty were trained on network security, email security and various malwares. The faculty was addressed by Dr Sanjeev Gupta, ED, NIELIT Chandigarh and the training was conducted by Dr Raminder Singh, Scientist D, NIELIT Chandigarh.



Bootcamp on Unmanned Aerial System (UAS)

NIELIT Aurangabad has organized a 5 days bootcamp training program under the project funded by MeitY in Unmanned Aircraft System (UAS) from 29th March to 02nd April, 2023. The objective of the course was to provide theory and hands on experience in modules like guidance, navigation and control. The training covered introduction to UAS Drone, Geospatial Technologies, Sensor, Control and Communication, Various Drone components, Programming for ground control, Practical session and hardware troubleshooting and flight control in Real Field.



Training on Cyber Security



NIELIT Haridwar is conducting training programmes on "Cyber Security" for the Cooperative Banks of Uttarakhand under the "Awareness Vridhhi and Training for the Urban Cooperative Banks (AVTU)" mission sponsored

by Reserve Bank of India (RBI). NIELIT Haridwar has trained about 766 officers & officials of various cooperative banks such as Kurmanchal Nagar Sahkari Bank Ltd., Kashipur Urban Co-Operative Bank, Almora Urban Co-operative Bank, Jamshedpur Co-operative Bank etc. & others.

Training of Government Official on Office Automation & Cyber Security



NIELIT Haridwar conducted training program on "Windows Productivity Tools, Digital Payments & Cyber Security" for the state Government Officials of various departments including Treasury, Finance, Chief Minister Office etc. The participants appreciated its usefulness in their day-to-day work.

Training Program on Cyber Security for the IT Dept. Officials

NIELIT J&K conducted a 3-week training program on cyber security for 60 officials of the Information Technology Department of UT of J&K, from 16th March to 06th April, 2023 at NIELIT Jammu and NIELIT Srinagar Centres. The training program was organized under the Centre of Excellence (CoE) established by the IT Department of UT of J&K in collaboration with NIELIT J&K.



Training Program on 'Data Analysis using Advanced Features of MS-Excel'



NIELIT Jammu conducted a 3-day training program on 'Data Analysis using Advanced Features of MS-Excel' for the 4th batch of officials of State Taxes Department (STD), UT of J&K. A total of 20 officials from the department attended the training program. During the training program, the officials received

instruction on various advanced features of MS-Excel specifically related to data analysis. The focus was on utilizing the powerful tools and functionalities offered by MS Excel for analyzing and interpreting data effectively. The valedictory function was attended by Smt. Namrita Dogra, Additional Commissioner State Taxes, Sh. Shameem Khan, Director In-Charge, NIELIT J&K and Smt. Sarita Kaur, Joint Director (Technical) NIELIT Jammu.

Training Program on 'Advance Networking & Information Security'



NIELIT Jammu conducted a 3-month training program on 'Advance Networking and Information Security' from 27th March to 19th June, 2023 for 08 officials from CID, J&K Police. The training program covered advanced networking concepts, protocols, and technologies. The participants gained in-depth understanding of topics such as network architecture, routing, switching, network security, and network management. The training program included hands-on practical sessions to provide the candidates with real-world experience. Participants also learned about various cyber security practices, techniques, common cyber security

threats, vulnerabilities, and countermeasures.

Training program titled 'Accounts Management Using Tally'

NIELIT Jammu successfully concluded the First batch of the training program titled 'Accounts Management



Using Tally'. This program was specifically designed for the employees of the University of Jammu. The training sessions were designed to enhance the participants' understanding of accounting principles and practices, as well as to develop their proficiency in using Tally software effectively for accounts management. The training was attended by a total of 30 participants. The program emphasized practical learning by providing hands-on training on Tally software.

Participants had the opportunity to apply their knowledge to real-world scenarios.

Computer Training Program for Officials of CID, J&K Police

NIELIT J&K conducted training for 32 officials of the Criminal Investigation Department (CID) in Computer proficiency Course. The training course took place from 23rd March to 13th April, 2023 and was conducted at both Srinagar and Jammu locations. The primary objective of the training program was to equip the CID officials with essential computer skills. The course covered a wide range of topics related to computer proficiency, including computer fundamentals, operating systems, word processing, spreadsheet management, presentation software, and internet usage.



'O' Level Training Program for JCOs/OR from DGR



NIELIT Jammu conducted 'O' level software training program for 31 JCOs/OR from the Directorate General of Resettlement. The candidates received comprehensive instruction on essential information technology tools and networking fundamentals. The training included in-depth learning of Python programming, the candidates acquired skills in writing and executing Python programs, understanding basic programming concepts, working with variables, control structures, functions, and data structures. The candidates were introduced to the concepts

of IoT, which encompasses the network of interconnected physical devices capable of collecting and exchanging data. The candidates learned about sensors, actuators, communication protocols, data analysis, and practical applications of IoT technology. The training also focused on the design and development of websites. The candidates gained knowledge of HTML, CSS, and JavaScript—the essential languages for creating interactive and visually appealing web pages.

DGR 'O' Level Course

New Batch of DGR CHMT 'O' Level Course (Hardware and Networking) started at NIELIT Chennai on 26th June 2023 with 37 Candidates. Special Guest, Commander N. Pradeep Staff Officer (Electrical), HQ TN & P interacted with the participants. Shri. Shoukath Cherukat Scientist E and Dr. Sanjeev Kumar Jha addressed the Participants during the inauguration ceremony.



Workshop for Lawyers on Digital Forensics in Legal Practice

On 11th May 2023, NIELIT Kohima organized and conducted a workshop titled 'Embracing the Power of Digital Forensics in Legal Practice' specifically for lawyers. The workshop saw a

total of 154 attendees actively participating in the event. The inaugural program was honored by the presence of esteemed guests, namely Shri Rupin Sharma, IPS, DGP Nagaland, and Major General Vikas Lakhera SM, IG Assam Rifles (North), who graced the occasion as special guests. Furthermore, the administrator, principal, and faculty members of Kohima Law College were also present to support and contribute to the success of the workshop.

Corporate Training to Defence Officials at AEC, Pachmarhi

A Corporate Training on Cyber Security & Social Media Analyst (480 hrs), an NSQF Level-5 course, is being conducted by NIELIT Kolkata for the Defence Officials at AEC Training College & Centre, Pachmarhi, Madhya Pradesh. The programme was inaugurated on 19th June, 2023 in presence of Senior Defence Officers and NIELIT Kolkata Officials. The total number of participants is 40.



TRAINING PROGRAMS

NIELIT Guwahati's Industry-Ready Training on Go Language for Technical Graduates



NIELIT Guwahati started industry-ready training on the **Go Language** for 41 Technical Graduates on 26th April, 2023. The course was inaugurated by Dr Y. Jayanta Singh, Executive Director, NIELIT Guwahati and the programme is being primarily conducted by Sri Pankaj Shukla, Scientist-E, NIELIT Guwahati. The students will be given exposure to industry

experts during the programme and also will be assisted in getting the right placement. The duration of the training programme is 200 hrs and shall be completed within 03 months' time.

Successful Completion of a Free Computer Training Program

On 13th May 2023, NIELIT Guwahati celebrated the successful completion of a six-month free computer training program at CIT Kokrajhar. The collaborative effort between UBA cell CITK, AER office CITK, and NIELIT Guwahati resulted in the training and certification of 200 students from adopted villages. The dedication of student volunteers and the support from coordinators, administration, and staff members were instrumental in the program's success.



Computer Application, Accounting and Publishing Course



"Computer Application, Accounting and Publishing" Course was conducted at NIELIT Shillong, Kiang Nongbah College in Jowai and Sohiong under NECB-2.0 Project.

Total of (53) nos. of Candidates have enrolled in the courses.

Solar Power Installation Operation & Maintenance



"Solar Power Installation Operation & Maintenance" course was conducted under NECB-2.0 Project Category –I at Ramkrishna Mission on 24th May, 2023. A total of 299 students have registered for the course.

Inauguration of MeitY Sponsored NECB 2.0 Training Program

On 12th May 2023, the inauguration of the MeitY sponsored NECB 2.0 training program took place in Gossaigaon. Sri Aranyak Saikia, IAS, SDO (C), Gossaigaon, along with Sri Bipul Roy, Scientist-C, NIELIT Kokrajhar EC, and the Principal of Gossaigaon College, inaugurated the program in the presence of other dignitaries. The program offers free capacity building training in IECT, with approximately 80-100 students from Gossaigaon College enrolled. The execution of the entire project is handled by NIELIT Guwahati, under the sponsorship of the Government of India.



Certificate Course on 3D Printing Conducted



On 10 June 2023, NIELIT Guwahati's Kokrajhar Extension Centre successfully organized a certificate course on 3D Printing Technology, with 65 college students from different colleges in Kokrajhar, Assam participating. The students' excitement and interest in this emerging technology motivated them to explore and gain knowledge in other IECT technologies.

704 Candidates Registered in Courses under PMKVY4.0

Pradhan Mantri Kaushal Vikas Yojana (PMKVY4.0) is the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE) implemented by National Skill Development Corporation. The objective of this Skill Certification Scheme is to enable a large number of Indian youths to take up industry-relevant skill training that will help them in securing a better livelihood. NIELIT Aurangabad has registered total 704 candidates in the "Media Content Developer" and "Software Developer Associate Course". The total duration of each course is 210 hours.



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, 23 candidates have attended NIELIT O Level course from February to July 2023. The duration of the course is six months.

Industrial Training for NITA Students

Students of *Department of Computer Science and Engineering* of National Institute of Technology Agartala (NITA) completed their Industrial training on "Web Designing" and "Android App Development" at NIELIT Agartala



Onsite Training of O-Level at Dev Sanskriti Vishwavidyalaya

NIELIT Haridwar commenced a new offline batch of 'O Level' from 15th May, 2023 at the premises of Dev Sanskriti Vishwavidyalaya (DSVV), Haridwar, Uttarakhand to enlighten the students into the world of Information Technologies and its applications.



Launching of Courses Under PMKVY4.0



NIELIT Haridwar launched "Software Developer Associate", "Associate Data Entry Operator" & "Media Content Developer" courses under PMKVY 4.0 scheme. During the inauguration, Dr. Akhilesh Shukla (Head Project) addressed the students about the PMKVY 4.0 scheme and role of NIELIT in bridging the skills gap to increase the employability and also encourage entrepreneurship

and self-employment opportunities.

Training program on "Capacity Building of School Teachers on IECT Technologies"

Training program on "Capacity Building of School Teachers on IECT Technologies" is inaugurated by Shri. Shashvat Saurabh, IAS, Deputy Commissioner of Lohit District, Tezu, Arunachal Pradesh on 26th



June, 2023 in NIELIT Tezu Extension Centre of NIELIT Itanagar, Tezu. The training program was inaugurated in presence of Guest of Honour, Mrs. Pemchom Lama, Deputy Director of Industries, Lohit District, Tezu and Officials of NIELIT Itanagar & Tezu Extension Centre Shri. Anan Tying, Junior Assistant, Resource Persons Shri. Bijom Karbak, Ms. Dormie Gogoi & Shri. Basaintso Ama and other support staffs. Altogether 100 nos. of teachers of Lohit district are attending the training in two shifts in the second year of the NECB 2.0 project.

Training Program on "Capacity Building of School Teachers on IECT Technologies"



A Seven (07) days training program "**Capacity Building of School Teachers on IECT Technologies**" was conducted for school teachers from 26th June to 4th July, 2023, at NIELIT Tezu Extension Centre of NIELIT Itanagar. All Together **100 nos. of teachers** were sensitised under the North East Capacity Building (NECB) Project 2.0 sponsored by MeitY, Govt of India.

Industrial training on Python for Data Science and Machine Learning

NIELIT Srinagar conducted 6 weeks training program on Python for Data Science and Machine Learning for 29 candidates of Central University of Kashmir. The training was conducted from April 15 to June 23, 2023. Concepts of Python programming and fundamental data structures were discussed in detail. Hands-on sessions were conducted on data science libraries like NumPy and Pandas, data analysis, data cleaning techniques, and data visualization. The concept of machine learning, its models, and the implementation of its algorithms were also covered in detail.

Cyber Security Awareness Week Observed



NIELIT Dimapur an Extension centre of Kohima hosted the Cyber Security Awareness Week as part of "Initiative for Cyber Security Aware Society in NE States" from 15th to 19th May, 2023. The objective of the event was to raise awareness among students about identifying cyber-crimes

and safeguarding themselves against financial and personal fraud. Over 300 students were sensitized during the week, through engaging activities such as games, quizzes, poster competitions, and group discussions. To recognize the participants' efforts, prizes were distributed to all the winners, further encouraging their involvement in promoting cyber security awareness.

Empowering Artisanal skills through Digital Technology

NIELIT Kohima conducted a 5-days training program for artisans from 12th to 16th June, 2023 at the Community Learning & Resource Centre in Jalukie Town, Peren District. This training initiative was conducted under the project "Digital Intervention on Handloom & Handicraft Sector for livelihood enhancement of Artisans of NE States," with the aim of empowering artisans through the use of digital technologies and enhancing their livelihoods. The program focused on imparting essential skills to the artisans, including computer operations and motif designing specifically tailored for weaving purposes. A total of 42 female artisans and 18 male artisans participated in the training, equipping themselves with valuable digital-skills that will enable them to thrive in the handloom and handicraft sector.



Awareness and Workshop on Emerging Technologies and Cybersecurity

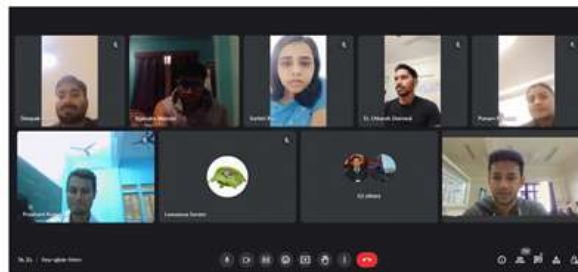


NIELIT Kohima organized a series of awareness and training programs in Emerging Technologies and Cybersecurity. These programs aimed to empower different sections of society in the region. Notably, over 550 candidates have successfully

completed training in various awareness programs, including sessions on the "use of ICT Technologies for effective farming and marketing for farmers" as well as "Awareness on cyber security and emerging technologies for school and college students." These programs have played a crucial role in equipping participants with essential digital skills and knowledge, enabling them to navigate the digital landscape and stay updated on industry trends.

2 Weeks Full Stack App Development for Engineering Students

NIELIT Kohima recently conducted a course on Full Stack Mobile App Development for the College of Agricultural Engineering & Post Harvest Technology, Sikkim, through an online mode of learning. The course aimed to equip students with comprehensive skills in developing mobile applications. A total of 105 students, comprising B.Tech, M.Tech, and Ph.D. students, participated in the training program. Through this course, the students were provided with valuable knowledge and practical training in Full Stack Mobile App Development, enabling them to enhance their expertise in this field.



TCS Youth Employability Program for NIELIT Students



Tata Consultancy Services provided training for students of NIELIT Kolkata from 6th to 26th June 2023 at NIELIT Kolkata under TCS Youth Employability Program. A total of 18 candidates were trained under this training. Students got an opportunity to upgrade their communication skills and also logical reasoning and aptitude, English, Logic and Maths (ELM), how to face interviews, resume building was also covered.

These participants got a chance to appear for interviews under different companies based on their NQR test. The training was imparted by Ms Pinky Mondal, Faculty, TCS, and Mr. Bhaskar Purkayastha, Regional YEP Lead-East, Youth Employment Program coordinated the training from Tata Consultancy Services. The program was also coordinated by Mrs. Rashmi Mandal Vijayvergiya, Scientist-C, NIELIT Kolkata.

SUMMER TRAINING/INTERNSHIPS

Summer Internship on Machine Learning using Python

On 20 June 2023, AI Club at CIT Kokrajhar, in collaboration with NIELIT Guwahati, successfully launched a summer internship program on Machine Learning using Python, following the success of last year's internship on Blockchain, AI, and IoT. The overwhelming response from interns, their enthusiasm, and dedication to mastering cutting-edge technologies have been truly inspiring. This internship will greatly enhance the participant's project-based learning and shape their future careers in the industry.



Data Sciences and Machine Learning Training Program Conducted



NIELIT Chennai conducted customized training in Data Sciences and Machine Learning for the students undergoing Under Graduate/Post Graduate Courses. The training was conducted in blended mode with classroom as well as online mode.

40 students of 'Meenakshi College of Arts and Science,

Chennai have completed a 1-month training in 'Introduction to Data Science and Machine Learning' at NIELIT Chennai. The program started on 1st June, 2023 and was coordinated by Mr. Ishant Kumar Bajpai, Scientist 'D', NIELIT Chennai. The program covered the basics of Python, Introduction to Data Science, Data Visualization with Python, Introduction to Statistical Concepts and Logistic Regression & Linear Regression.

Industrial Training under the joint certification program with IIT Ropar



Six months industrial training in Artificial Intelligence and Machine Learning is being conducted at IIT Ropar under the joint certification program of NIELIT Ropar and IIT. Twenty-two students are undergoing the joint program. Some of the lectures on Statistics for ML, Image Processing, Unsupervised Learning, NLP and Reinforcement Learning are being taken by IIT Professors.

Summer Training in AIML/Python with Data Science and ML

Six-week and 4-week Summer Training classes commenced on 7th June, 2023 in "AIML/Python with Data Science and ML" for 54 and 28 students in Chandigarh and Ropar respectively. The students are undergoing B. Tech in Colleges/Universities in and around the region.



Industrial Training in Artificial Intelligence Machine Learning



NIELIT at its Ropar campus conducted Presentation and Demonstration of Major Projects undertaken by the 6 months industrial training in AIML being run jointly with IIT Ropar. Students demonstrated projects in the area of Predictive Analysis, Computer Vision

and Natural Language Processing. Dr Sanjeev Gupta, ED NIELIT Chandigarh and Dr Arun, Asstt Professor, IIT Ropar guided and evaluated the projects.

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. An assessment meeting for interns of WBL was conducted by "Tech-MEC" (Technical Monitoring and Evaluation Committee) including members Dr. Mayank Agarwal (Professor, GKV Haridwar) and Sh. Arun Sachan (AGM, Relaxo Industries) at NIELIT Haridwar on 14th June, 2023.



Work Based Learning (WBL) Project by NIELIT J&K

NIELIT J&K is currently conducting Work-Based Learning (WBL) internship training programs in the field of Artificial Intelligence and Machine Learning, Internet of Things, and Networking. A total of 8 candidates have been enrolled in this program. The internship program spans six months, starting from March 13, 2023 and will continue until September 13, 2023. During the internship, the interns have successfully completed various projects in different domains. In the IoT domain, interns developed projects such as 'Soil Moisture Sensor

using ESP8266 NodeMcu&ThingSpeak' and 'Robotic Car Using Arduino'. Additionally, they have also worked on the project 'Heartbeat Monitoring Over the Internet Using ESP8266 &ThingSpeak'.

In the Networking domain, the candidates focused on enhancing network performance, scalability, security, and traffic flow optimization. They implemented the Enhanced Interior Gateway Routing Protocol (EIGRP) on an IPv6 network within the University Network. Additionally, they worked on OSPF (Open Shortest Path First) v3 over IPv6 in corporate networks, aiming to achieve efficient routing, improved performance, scalability, and reliable communication between devices.

Under the Artificial Intelligence and Machine Learning domain, the interns worked on projects like 'An Ensemble Learning approach for early detection of Parkinson's disease using Speech signals', 'Apple Leaf Disease Detection', and 'Crop Recommender - An ML-based computational method to recommend the best crop using soil and environmental features.



Summer Internship Training Program

A comprehensive internship program on "Cyber Security and Digital Forensics" was successfully completed by a total of 40 students from various colleges, namely KIIT, NIT Trichy, and Tetso College, Dimapur. The training provided the students with a deep exploration of Cyber Security and Digital Forensics, covering a wide range of concepts such as forensic analysis, Network Security, Application Security, Web Security, and System Security. Through hands-on training and theoretical knowledge, the program equipped the students with in-depth understanding and practical skills to effectively address and overcome the challenges and threats associated with cybersecurity.

Women Awareness Program on use of Mobile Application



Women Awareness Program was conducted at St Mary's College, Shillong on 08th to 10th May, 2023 under project Capacity Building in IECT including training in Digital Skill sets and Current Industry Demanding Technologies by Shillong Centre for various sections of society in the NE States. A total of 50(Fifty) nos. of Candidates participated in the Program.

Basic Computer on Office Automation (Dropouts) NECB-2.0 Project

Basic Computer on Office Automation (Dropouts) was conducted under NECB-2.0 project, at Sati Raja Memorial Secondary School, Rawa Umsning and in Distar Jana CSC Sohiong, Meghalaya. A total of 99 nos. of candidates have enrolled in the Courses.



One-year Certificate Course under NCPUL



NIELIT Chandigarh registered fresh candidates under the NCPUL (National Council for Promotion of Urdu Language) for the one-year course, "Certificate course in Computer Applications, Business Accounting and Multilingual DTP (CABA-MDTP)" and also conducted examination of candidates under the said course. The course is designed for transformation of Urdu speakers into productive human resource and making them part of the employable technological work force in the emerging Information Technology scenario and penetration of computer education to grass root level.

Counselling Project of Chandigarh Administration

A fully Online and totally paperless Counselling Project of UT Education Department, Chandigarh was undertaken by NIELIT Chandigarh in June, 2023. A total of 17000 students applied in the first round of counselling. Students were given admission in 40 government schools of Chandigarh in 10+1. The project was implemented under Dr Manish Arora, AD, NIELIT Chandigarh.

Awareness on "Use of ICT Technologies for effective Farming and Marketing"

A two days awareness program on Use of ICT Technologies for effective farming and marketing was conducted for farmers at Sanpura village of Lohit District, Arunachal Pradesh, by NIELIT Tezu Extension Centre. All together 45 nos. of farmer 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 Women

A three days [15 hours] training program was conducted for Women at Sanpura village of Lohit District, Arunachal Pradesh at EAC office Sanpura from 05th June, 2023 by NIELIT Tezu Extension Centre. All together 82 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.



Master Trainer Training Program on Digital Forensics

NIELIT Kohima organized a three-day Master Trainer Training exclusively for the staff of NIELIT Northeastern states. The training program commenced on 29th May, 2023 and witnessed the participation of a total of seven individuals. The program encompassed a wide range of topics related to the investigation and analysis of digital evidence, including network forensics, social media forensics, and video forensics. The training utilized cutting-edge forensic tools to equip the attendees with the necessary skills and knowledge in these areas.



INDUSTRY/ACADEMIA COLLABORATION

MoU Signed with IIITM



An MoU has been signed between National Institute of Electronics & Information Technology (NIELIT) and Indian Institute of Information Technology and Management (IIITM). IIITM is an autonomous institute established in 1997 by the Government of India, MHRD in Gwalior, Madhya Pradesh. Initially

started as IIITM, the institute was amalgamated with ABV in 2002 in honor of Prime Minister Atal Bihari Vajpayee. The scope of the Memorandum of Understanding is to undertake collaborative research/consultancy in the relevant domains and new areas of expertise with the involvement of teams from ABV-IIITM and NIELIT.

MoU Signed with Madan Mohan Malviya University, Gorakhpur

An MoU has been signed between National Institute of Electronics & Information Technology (NIELIT) and Madan Mohan Malviya University, Gorakhpur. Objective of this MoU is to develop skilled manpower in the domains of interest such as Management, Technology,



Finance, Emerging Technologies etc. through participatory mode such as summer internships, placements, field visits, etc., undertake collaborative research/consultancy in the relevant domains and new areas of expertise with the involvement of teams from MMMUT and NIELIT. The scope of the MoU is to mutually plan and conduct lectures/workshops/symposia/conferences/other similar events in mutually agreeable areas at the national/international level. NIELIT will offer its Virtual Academy Platform and IT Infrastructure along with Remote Hardware Smart Lab/Virtual Lab facility to MMMUT on nominal charges basis.

MoU Signed with GIEEE for Strategic Collaboration



NIELIT and GIEEE (Global IEEE Institute for Engineers) signed an MoU on 20th April, 2023. Both parties have a reciprocal interest in cooperation and would benefit from collaboration in the areas of mutual interest to achieve the goals of improving technology and innovation. GIEEE is involved in

collaborative programs that provide engineering-technology education and advance the engineering-technology profession across India. GIEEE also plays an important role in compliance with local laws governing IEEE activities in India. GIEEE and NIELIT will jointly develop blended learning courses and training programs to benefit the technical community and to support skill development programs. GIEEE and NIELIT will identify opportunities for both the organisation and will review and exchange each other's courses, structure training programs and jointly promote training and skill development programs with joint certificates to all learners. GIEEE and NIELIT, under this MoU, will collaborate under a blended learning platform to create training programs and conduct exchanges to enhance skills in the identified domains.

MOU Signed with Sher-e-Kashmir University of Agricultural Sciences & Technology, Kashmir



NIELIT J&K signed an MoU with Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST) Kashmir on 1st April, 2023 at NIELIT Srinagar in the presence of Shri Alkesh Kumar Sharma, Secretary, MeitY, Govt. of India. The MoU was signed by Dr. Nazir Ahmad Ganai, Hon'ble Vice Chancellor, SKUAST Kashmir & Dr. M.M. Tripathi, Director General NIELIT. The other dignitaries present on the occasion were Shri Abhishek Sharma, IAS, CEO, Jammu & Kashmir e-Gov Agency (JaKeGa), Dr. T.H. Masoodi, Registrar, SKUAST Kashmir and Dr. Ayaz Hasan Moon, Dean, School of Engineering and Technology, Islamic University of Science and Technology, Pulwama and Ex-Executive Director, NIELIT

J&K. The purpose of the MoU was to establish a collaborative partnership between SKUAST Kashmir and NIELIT J&K. This partnership aimed to foster cooperation and exchange of knowledge and resources in the fields of agriculture and information technology.

MoU Signed with Larsen Toubro Skill Trainers Academy

NIELIT and Larsen Toubro Skill Trainers Academy (L&T) signed an Memorandum of Understanding (MoU) on 25th April, 2023. The objective of the MoU is sharing knowledge of Industry experts in NIELIT Training and Academic programmers; Industrial training for trainers; Sharing of media, scientific and other facilities and also to collaborate for joint academic programmes for specific industry requirements, Tailor made training for employees of industry in the areas of Management, Pedagogy, Technology and content and Identification of Industry R&D problems and assigning to NIELIT Research scholars.



MoU Signed with Chhattisgarh Swami Vivekanand Technical University (CSVТУ)



National Institute of Electronics and Information Technology (NIELIT) and Chhattisgarh Swami Vivekanand Technical University (CSVТУ) signed an MoU on 17th June, 2023. The CSVТУ and NIELIT foresee that there is a vast scope of upcoming technical innovations

as there is continuous progress in industrial and other allied sectors. The CSVТУ shall extend to NIELIT the use of facilities of laboratory, library and other facilities available at the university on mutually agreeable basis and to provide internet Node at NIELIT premises in CSVТУ. NIELIT shall conduct Degree/Diploma & Skilling courses (full time / part time etc.) related to IECT and allied fields at its campus.

MoU Signed with SoCTeamup Semiconductors

A memorandum of understanding has been signed on 5th June 2023 between NIELIT and SoCTeamup Semiconductors Pvt. Ltd for a period of 3 years for skilling/up-skilling of the youths who are getting enrolled in NIELIT at its various centers PAN India in such a way that they can be fruitfully employed in the



industry, who then can further contribute towards flagship programmes of Government of India like "Skill India" and "Make in India" for overall development of the nation.

The main highlights of the MOU are establishing a synergy between NIELIT and SoCTeamup wherein the youths being trained at NIELIT can get an industry exposure through SoCTeamup industry collaborations and expertise, jointly explore possibilities in order to develop Ed-tech platform for chip designing based on open source tools, providing placement opportunities to suitable NIELIT students in SoCTeamup and other associated industries PAN India and

to conduct Mentorship Workshops and Job Fairs for students and many more in order to cater nation, society or students.

MoU Signed for Academic Collaboration with Four Institutions of Assam

On 16th May, 2023, NIELIT Guwahati entered into MoUs with four institutes, namely B. Barooah College, Assam Engineering Institute (AEI), Assam Institute of Management (AIM), and Nazir Ajmal Memorial College of Education (NAMCE) in Hojai, Assam. The purpose of these MoUs is to enhance academic collaboration and conduct joint activities in emerging fields such as Cybersecurity, IoT, Blockchain, Bioinformatics, and Cloud Computing. The MoUs were signed by Dr. Y. Jayanta Singh, Executive Director of NIELIT Guwahati, and the respective heads of the institutions.



MoU Signed with Cotton University, Assam



On 07 June 2023, NIELIT Guwahati and Cotton University, Assam signed an MoU for academic collaboration, offering add-on courses, skilling programs, and internships in various emerging fields of IT and Electronics to the students, in alignment with

NEP2020, with a focus on technologies such as AI, Blockchain, Big Data Analytics, Cloud Computing, AR/VR, Cybersecurity, IoT, ML, Solar Power Technologies, Consumer Electronics, Bioinformatics and Translational Bioinformatics.

MoU Signed with Pondicherry University

NIELIT Chennai signed a MoU with the Department of Computer Science, Pondicherry University – Karaikal Campus on 17th May 2023 at Pondicherry University. The MoU was signed by Prof. Rajneesh Bhutani, Registrar(i/c), Pondicherry University and Shri. Lalmohan K S, Director, NIELIT Chennai, in the august presence of Prof. Gurmeet Singh, Vice Chancellor, Pondicherry University. The purpose of the MoU is to establish collaboration on academic and research related activities in the areas of mutual interest.



Collaboration with MIMIT Malout for High end Training

NIELIT Chandigarh and MIMIT Malout joined hands for high end training programs and MIMIT (Malout Institute of Management and Information Technology) became SPOKE to execute Future Skills PRIME scheme of MeitY, Government of India, for the technologies Big Data Analytics & Virtual Reality. Dr Sanjeev Kumar Gupta, Executive Director, NIELIT Chandigarh and Dr Jaskaran Singh Bhullar, Director, MIMIT, discussed the road map in detail to spread IT and Electronics in Malwa Region of Punjab.



Agreement Signed with Government College, Ropar



NIELIT Ropar signed an agreement with Government College, Ropar for internships/ industrial training/summer training programs in emerging technologies for students of the College and Faculty Development Programs (FDPs) for the faculties of the College.

Agreement signed with Institution of Engineers, Dehradun

NIELIT Haridwar and Institution of Engineers-Uttarakhand State Centre, Dehradun signed an agreement for setting up a Study Centre of NIELIT Haridwar at IEI-UKSC campus at Dehradun. The Study Centre shall offer courses in emerging technologies and will benefit the youth of the state.



NIELIT Itanagar signed MoUs for Academic Association



MoU signed with Dera Natung Government College, Itanagar

MoU with Himalayan University, Jollang, Itanagar, Arunachal Pradesh

NIELIT Itanagar signed two MoUs with Dera Natung Government College, Itanagar and Himalayan University, Jollang, Itanagar on 01st May, 2023 and 28th June, 2023 respectively for conducting training under NECB 2.0 project. The MoUs were signed by the head of the respective institutions and the Director In-Charge, NIELIT Itanagar.

Agreement with YBN University

An Agreement was signed by NIELIT Ranchi with YBN University on 8th June, 2023 for the setup of a study centre in the YBN University campus for conducting the different NSQF aligned / Emerging technology courses. The Agreement signing function was graced by Sh Anurag Mathur, Director-in-Charge Bhubaneswar/Ranchi and Sh. Ramjee Yadav, Founder & Chairman, YBN University among others.



Collaboration Between NIELIT Guwahati and ASTU



On 15th May 2023, NIELIT Guwahati and the Assam Science and Technology University (ASTU) jointly organised an online meeting among the Principals & Training and Placement Officers (TPOs) of the Engineering Colleges of Assam affiliated to ASTU for rolling out different Skill based job oriented courses in the emerging areas of IECT. The meeting was chaired by Prof.

Narendra S Chaudhari, Vice Chancellor, ASTU, in the presence of Dr. Nripen Das, Registrar, ASTU, Dr B.R.,Phukan, Academic Registrar, ASTU and Dr. Y. Jayanta Singh, Executive Director, NIELIT Guwahati.

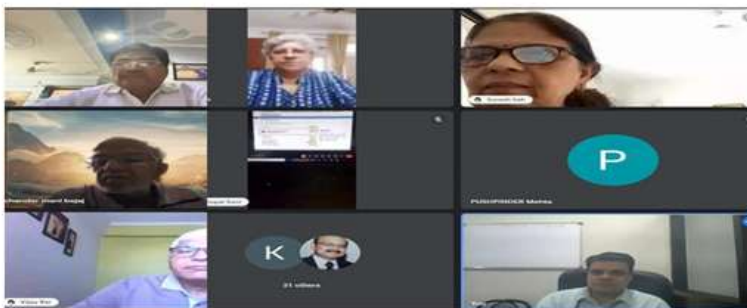
CSR ACTIVITIES

On the Job Training Started

NIELIT at its Ropar campus started a one month "On the Job Training" of 45 students of ITI Ropar undergoing COPA course. The training commenced from 24th April, 2023. Dr Manish Arora, AD apprised the students about NIELIT and Ms Anita Budhiraja and Dr Sarwan Singh provided training to the students in basic skills and programming and they worked on Data Processing projects also under the guidance of Sh. Tarsem Sharma, AD and Ms Rashmi Aggarwal, DD.



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.

STUDENT SECTION

IT and Cultural event "Tech-Masti" Organised

NIELIT at its Ropar campus organised "Tech-Masti", an IT and cultural event for the students of formal and non-formal courses. Students participated in various IT competitions and performed dance, skit, songs. The fest was inaugurated by Dr. Sanjeev Gupta, Executive Director, NIELIT Chandigarh on the day of his joining the Centre on 10th May, 2023.



INAUGURATIONS & OTHERS

IPR Workshop Conducted at NIELIT HQ

The workshop conducted by NIELIT HQ on April 25, 2023, titled "Role of Intellectual Property Rights (IPR) in ICT sector," was a remarkable event that brought together NIELIT officials from across India. The workshop featured distinguished guest speakers, Sh. A.P. Srivastava, AC



HO SICLDR, Intellectual Property Office Delhi and Prof. Yogesh Pai, Associate Professor, National Law University Delhi. The sessions held during this workshop shed light on critical aspects of intellectual property rights and their significance in the ever-evolving Information and Communication Technology (ICT) sector.

During his session on "The role of semiconductor Integrated layout design Act in the Electronics Industry," Sh. A.P. Srivastava provided valuable insights into the Semiconductor Integrated Layout Design Act. His presentation outlined the Act's potential to play a pivotal role in shaping the semiconductor industry's future. This session proved to be highly informative, as it helped participants understand the legal framework governing semiconductor layout designs and its implications on innovation and competition within the electronics sector.

In another enlightening session, Prof. Yogesh Pai delved into the significance of Standard-Essential Patents (SEPs) for the electronics industry, particularly mobile manufacturers. Prof. Pai discussed how SEPs impact consumers and raised pertinent questions about their potential violation of competition law in India.

DG, NIELIT met ITI, Egypt Officials

Dr. M. M. Tripathi, Director-General, National Institute of Electronics and Information Technology (NIELIT), had a productive interaction with Dr. Mohammad Adly, the Manager of the Egyptian Cloud Computing Centre (EC3) in April, 2023. This meeting took place on the sidelines of the 2nd Meeting of the G20 Digital Economy Working Group (G20DEWG) held in Hyderabad. The discussion revealed Egypt's keen

interest in various domains, including the electronics industry, cloud architecture, robotic process automation and fintech. Recognizing the potential for collaboration and knowledge exchange, several areas of cooperation were identified, indicating a promising future for bilateral cooperation between NIELIT and Egypt.

The envisioned areas of cooperation include mutual recognition and equivalence of qualifications to facilitate the smooth movement of the workforce between the two nations. Additionally, joint certification courses and Massive Open Online Courses (MOOC) are on the horizon, allowing Egyptian students to benefit from NIELIT's expertise in the field. Furthermore, NIELIT intends to offer its courses through the NIELIT Virtual Academy in a project mode, expanding access to valuable educational resources. Academic and scholarly information sharing, as well as collaborative publications, are also part of the plan, fostering a vibrant exchange of ideas and knowledge.



1st session of Tech वार्ता organised at NIELIT HQ



The inaugural session of "Industry Interaction- Tech वार्ता" held at NIELIT headquarters in New Delhi on April 22, 2023, marked a significant milestone in bridging the gap between academia and industry. Mr. Chingangbam Irabanta, Senior Director at Celsior Technologies in Noida, along with his team, played a pivotal role

in this event. They engaged with approximately 100 students from various NIELIT centers, providing invaluable insights and guidance on how to prepare for a successful career in the technology industry.

The session encompassed a wide range of topics, starting with an introduction to software development, where the nuances of programming languages, frameworks, and evolving technologies were covered. The session also addressed the crucial aspects of resume writing and interview techniques, underscoring the importance of a well-crafted resume and providing valuable tips on how to excel in software development interviews.

The "Industry Interaction- Tech वार्ता" initiative demonstrates NIELIT's commitment to enhancing the employability and career prospects of its students. By facilitating direct interactions with industry experts, NIELIT is empowering its students with the knowledge and skills needed to thrive in the dynamic field of software development.

Study Visit of the Standing Committee on Communications and IT

A meeting of the Standing Committee on Communications and Information Technology (2022-23), comprising of Hon'ble Lok Sabha and Rajya Sabha Members of Parliament, was convened under the Chairmanship of Shri Prataprao Jadhav, Hon'ble Member of Parliament in Kolkata on 25th May, 2023 to discuss with the representatives of MeitY, NIXI and NIELIT regarding review of functioning of NIXI and NIELIT. Present in the meeting were Dr. M.M. Tripathi, Director General, NIELIT, Shri A.K. Jain, CEO, NIXI, Shri V. Krishnamurthy, Executive Director, NIELIT Kolkata, Shri A.K. Pipal, Sc-G & GC, MeitY, Smt. Asha Nangia, Sc-G & GC, MeitY among other senior officers from MeitY, NIXI and NIELIT.



Dr. Sanjeev Gupta took charge as ED, NIELIT Chandigarh

Dr. Sanjeev Gupta, took charge as Executive Director, NIELIT Chandigarh on 10th May, 2023. Dr. Sanjeev Gupta was welcomed at NIELIT Ropar campus. He interacted with all the staff members and inaugurated the IT Fest also.



Job Fair at NIELIT Srinagar

Model Career Centre (MCC) NIELIT J&K, Srinagar, in collaboration with Model Career Centre (MCC) Pulwama, organised a one-day job fair on April 29, 2023 at NIELIT Srinagar campus. Around 150 job seekers participated in this event, out of which 25 got selected for various teaching and non-teaching positions at the Aryans Group of Colleges, Chandigarh, Punjab.



International Yoga Day Celebrated

Yoga sessions were organised at NIELIT HQ and NIELIT Centres on the occasion of International Day of Yoga, 21st June, 2023. At NIELIT HQ, NIELIT employees, along with Dr. M.M. Tripathi, DG, NIELIT, participated in the rejuvenating session led by a renowned Yoga Guru, Sh. Amitabha Bose.

NIELIT Centres had also celebrated International Day of Yoga 2023 at their campuses. The staff followed the Common Yoga Protocol for 30 minutes. The Yoga session was conducted at every NIELIT Centre to foster physical & mental well-being amongst all.

The theme chosen for Yoga Day this year was 'Yoga for VasudhaivaKutumbakam,' which translates to 'One World-One Family.' The theme emphasizes the idea of global unity, highlighting that the entire world is one large interconnected family. It signifies the importance of harmony, peace, and well-being, not just among individuals but across nations and cultures.





NIELIT Agartala Participated in Education Fair

NIELIT Agartala participated in the 10th edition of the Education Fair "EDUHUB- 2023" held at Agiye Cholo Sangha, Melarmath, Agartala on 10th and 11th June 2023.



Team from Tripura University visited NIELIT Agartala

An inspection team from Tripura University visited NIELIT Agartala on 27th June, 2023 to examine the feasibility of Extension of Affiliation for Diploma in Engineering in CST and ETE, BCA & M.Sc. (IT) during the academic session 2023-24. The team was headed by Prof. (Dr.) Badal Kumar Datta, Dean of Faculty of Science.



Meeting with Dr. K V Kale, Vice Chancellor of Dr. BATU

Dr. Jayaraj Kidav, Executive Director NIELIT Aurangabad along with other senior officials, met Dr. K V Kale, Vice Chancellor of Dr. Babasaheb Ambedkar Technological University on 07th June, 2023 and conducted discussions.

Visit to Dr. Babasaheb Ambedkar Research and Training Institute (BARTI)

Dr. Jayaraj U Kidav, Executive Director along with other senior officials of NIELIT Aurangabad visited Dr. Babasaheb Ambedkar Research and Training Institute (BARTI) on 08th June, 2023 and held discussions regarding extension of MoU with BARTI, Pune



Visit to Centre For Materials For Electronics Technology (CMET) Pune

Dr. Jayaraj U Kidav, Executive Director, NIELIT Aurangabad visited CMET, Pune on 08th June, 2023 along with other senior officials and met CMET officials and conducted discussions for industry academia collaborations.

Visit of Shri. Bhuvnesh Kumar, IAS, Additional Secretary, MeitY

Shri. Bhuvnesh Kumar IAS, Additional Secretary, MeitY attended the valedictory function of NIELIT Aurangabad Sport Meet (ASCEND 2023) as Chief Guest on 22nd April, 2023. He also visited all the labs and appreciated students' projects.



ASCEND 2K23 Sports Event Conducted at NIELIT Aurangabad

ASCEND 2K23 sports event was conducted for three days from 13th to 15th April, 2023. Volley ball, badminton, cricket, chess competitions were held in which students and staff participated enthusiastically. Shri. Bhuvnesh Kumar IAS, Additional Secretary, MeitY attended the valedictory function of NIELIT Aurangabad Sport Meet (ASCEND 2023) as Chief Guest and distributed prizes to the winners.



Dr. Jayaraj U Kidav Taken Charge as Executive Director, NIELIT Aurangabad

Dr. Jayaraj U Kidav took charge as Executive Director, NIELIT Aurangabad on 12th May, 2023. Dr. Jayaraj Kidav was welcomed at NIELIT Aurangabad. He visited the labs and interacted with staff members.



Hackathon competition on Web Designing

NIELIT Haridwar organised a one day Hackathon on Web Designing for the students of "O Level" and "PMKVY 4.0". The winners were awarded with memento and certificates.



Career cum Counselling Program Organised

A Career cum Counselling Program was conducted in June, 2023 at DNGC Itanagar in collaboration with NIELIT Itanagar Centre. All together **80** students participated in the counselling program.



International Earth Day

NIELIT Jammu celebrated International Earth Day on 20th April, 2023. Students prepared posters and slogans explaining the awareness of environmental issues and solutions.

Officials of MIMIT Visited NIELIT Chandigarh

NIELIT Ropar was visited by the officials of Malout Institute of Management and IT (MIMIT), a government institute of Punjab on 26th May, 2023. Dr. Jaskaran Singh Bhullar, Director, MIMIT was welcomed by Dr Sanjeev Gupta, ED, NIELIT at its Ropar campus and discussed on spreading technical skill in the state of Punjab by working collaboratively.



ED, NIELIT Chandigarh met Director, NCPUL

Dr Sanjeev Gupta, ED, NIELIT had a review meeting with Dr. Shaikh Aquil Ahmad, Director, NCPUL in Delhi. The NCPUL Director was happy with the services being rendered by NIELIT for the successful continuation of the project. They discussed that the introduction of emerging technologies in the CABA-MDTP syllabus will open new avenues for the faculty and participants.

Academic Leadership Programme for NIELIT at IIM, Raipur

Academic leadership program for NIELIT was organised at IIM Raipur. Executive Directors, Directors, Director-in-charges and other senior officials from NIELIT Hq and centres attended the 5 day program during 11th to 15th June 23. The workshop covered a wide range of topics such as emotional intelligence, vision, mission and goal setting, project management, marketing etc. that are essential for effective management of the centres.



Executive Director, NIELIT Aurangabad met Vice Chancellor, DIAT

Dr. Jayaraj Kidav, Executive Director, NIELIT Aurangabad along with other senior officials visited Defence Institute of Advanced Technology (DIAT) Pune on 08th June, 2023 and held preliminary discussions with Vice Chancellor of DIAT for collaboration in the area of R&D and Skilling.



Campus Placement Drive at NIELIT Kohima

A placement drive was organized at NIELIT Kohima by Excellogics, Pioneers, and Chilli Breeze Solutions Pvt. Ltd. These companies aimed to provide job opportunities to the students of the institute. During the drive, 15 students showcased their potential and skills, impressing the recruiters and resulting in their successful shortlisting.



Students from GHSS, Sechu, Zubza Visited NIELIT Kohima

The students and teachers from Government Higher Secondary School, Sachu Zubza, embarked on a visit to NIELIT Kohima with the aim of enhancing their learning by immersing themselves in the world of emerging technologies. During their visit, they were provided with practical hands-on demonstrations in various cutting-edge fields such as 3D printing, Internet of Things (IoT), cyber forensics and security, as well as multimedia animation. These interactive sessions allowed the students and teachers to gain first-hand experience and deepen their understanding of these innovative technologies.



On Campus Job fair under MCC project at NIELIT Kolkata

The Model Career Centre at NIELIT Kolkata, which has been set up as per the guidelines of Directorate General of Employment, under National Career Service Scheme, conducted an On-Campus Job Drive at NIELIT Kolkata JU Campus on 17th May, 2023 in which a software company namely Sigilo Tech took screen test for 105 job seekers and shortlisted 32 of them.



The Job drive was inaugurated by Shri V. Krishnamurthy, Executive Director, NIELIT Kolkata. It was coordinated by MCC Team - Shri Tapas Trivedy, Sc-D and Smt. Rashmi Mandal Vijayvergiya Sc-C, Dr. Kalyan Baital, Sc-D and from Admin Department Smt. Varsha Deshmukh, AD(Admin).

Swachhta Week by NIELIT Shillong



Swachhta Campaign Week was observed at NIELIT – Shillong in the month of June 2023 for the quarter (Apr – Jun 2023) and activities were scheduled from the 05th to 09th June, 2023.

The week-long program culminated on the 09th June, 2023 wherein the whole office rooms, Computer Labs, Medical Labs, server & UPS rooms, almirahs, tables, workspaces, corridors were cleaned and dusted.

Interview and Entrance Test for DGE Sponsored Candidates

Entrance Test was held for DGE Sponsored Courses for IT 'O' level, CHM 'O' Level and Computer Application, Business Accounting and Publishing on 28th June, 2023.

Total of 125 Students registered for the Entrance test.



Free Mega Job fair co-organized by MCC NIELIT Calicut

A free Mega Job fair was co-organized at Thrissur by MCC NIELIT Calicut on 28th May 23.

Dr. Mohammed Adly, Manager, Egyptian Cloud Computing Centre (EC3) at NIELIT Calicut

Dr. Mohammed Adly, Manager, Egyptian Cloud Computing Centre (EC3) visited NIELIT Calicut on 19th April 23 and discussed mutual collaboration and skilling with Dr. Pratap Kumar S, Director, NIELIT Calicut and Senior Faculty of the centre.



'Boot-camps on Drone/UAS Allied Technologies' at NIELIT Calicut

NIELIT Calicut has conducted 3 parallel 'Boot-camps on Drone/UAS technologies' under the MeitY funded

'Capacity building for human resource development in Unmanned Aircraft System (Drone and related Technology). The sessions included topics on Drone Fundamentals, Drone Piloting, Drone regulations, Data Analytics for drones, AI/ML, Ground Control Station Design, Image Processing for drones etc.



The programme was organized from 9th May to 13th May 2023 at NIELIT Calicut and around 92 candidates attended.

'Internship Training' at NIELIT Calicut



NIELIT Calicut conducted internship training for Government Polytechnic College, West Hill during 1st to 5th May 23. A batch of 67 students undertook the training.

Workshop on "Usage of Hindi in official procedures" at NIELIT Calicut

NIELIT, Calicut arranged a workshop on "Usage of Hindi in official procedures" for all the staff of NIELIT Calicut on 27th June 2023 between 10 AM to 12 PM in the campus. Shri. Rameshkumar MS, Principal Technical officer, NIELIT Calicut welcomed the gathering. Dr. Pratap Kumar S presided over the meeting. Shri. Ram Prakash Sharma, JE (OL), Calicut International Airport addressed the gathering and spoke about the need and importance of using Hindi in office procedures. Certificates and cash awards were given away to the employees who successfully completed the Hindi exams.



TECH-VARTA

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

Fifteen research papers by NIELIT Aurangabad Staff members got published in International Conference (IEEE) in month of April – June of 2023.

1. Mr. Saurabh Bansod (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Pawan Patel , Mr. Abhishek Chaurasiya, Mr. Abhay Pratap Singh Shekhawat and Mr. Pawan Chaurasiya of NIELIT Aurangabad published Research paper titled ' Realization of OpenCL based CNN Implementation on FPGA using SDAccel Platform' in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .
2. Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Pawan Patel , Mr. Abhishek Chaurasiya, Mr. Abhay Pratap Singh Shekhawat and Mr. Pawan Chaurasiya of NIELIT Aurangabad published Research paper titled 'Realization of Smart and Highly Efficient IoT based Surveillance System using Facial Recognition on FPGA' in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .
3. Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Ms. Shalvee Meshram and Mr. Roshan Singh of NIELIT Aurangabad published Research paper titled ' Convolution Neural Network based Hand Gesture Recognition System' in 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) (IEEE) .
4. Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Ganesh Patil (Sr. Project Engineer) , Ms. Rutika Dushing , Ms. Shweta Jagtap and Mr. Prince Kumar of NIELIT Aurangabad

published Research paper titled ' Swarm Robotics for Ultra-Violet Sterilization Robot' in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .

5. Mr. Saurabh Bansod (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Surya Charan Paidipalli V V (STA) , Mr. Jupally Saikalyan Rao and Mr. Kanthisree Choragudi of NIELIT Aurangabad published Research paper titled ' AI, AR Enabling on Embedded systems for Agricultural Drones' in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .
6. Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Prathmesh Kenekar , Ms. Priyanka Bhosle and Ms. Vallari Khobragade of NIELIT Aurangabad published Research paper titled ' Smart Navigation System Assistance for Visually Impaired People' in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .
7. Mr. Saurabh Bansod (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Surya Charan Paidipalli V V (STA) , Mr. Kaushik Baidya and Mr. Anand Jaya Raj Dampella of NIELIT Aurangabad published Research paper titled ' Pesticides Spraying Using Non-GPS-Based Autonomous Drone' in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .
8. Mr. Saurabh Kesari (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Ms. Asmita Pandit Sonawane , Ms. Janhavi Sanjay Pradhan and Ms. Vaibhavi Prakash Waghmare of NIELIT Aurangabad published Research paper titled ' Complete Data Transmission using Li-Fi Technology with Visible Light Communication' in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .
9. Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Ganesh Patil (Sr. Project Engineer) , Mr. R. Hari Krishnan and Mr. B. Akash Naik of NIELIT Aurangabad published Research paper titled ' AI Based Autonomous Room Cleaning Bot' in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .
10. Mr. Saurabh Bansod (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B') and Mrs. Shubhangi S.Rokade of NIELIT Aurangabad published Research paper titled ' An Offline Signature Verification Using Deep Convolutional Neural Networks' in 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) (IEEE) .
11. Mr. Saurabh Bansod (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B') and Mr. Milind N Padghan of NIELIT Aurangabad published Research paper titled ' An AI Based Electric Field Detection using UAV' in 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) (IEEE) .
12. Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B'), Mr. Prashant Patel , Mr. Harish Chandra and Mr. Satyaveer of NIELIT Aurangabad published Research paper titled ' A New Hybrid Model ARFIMA-LSTM Combined with News Sentiment Analysis Model for Stock Market Prediction' in 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) (IEEE) .
13. Mr. Saurabh Bansod (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B') and Mrs. Sapana Indarchand Tatu of NIELIT Aurangabad published Research paper titled 'Fault Detection In Bottle Caps And Label Alignment Using Convolutional Neural Network' in 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) (IEEE) .
14. Mr. Saurabh Bansod (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Yogesh Kumar (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B') , Mr. Mohit Mali , Mr. Shubham Devake and Mr. Satyam Kharpude of NIELIT Aurangabad published Research paper titled 'Evaluation and Segregation of Fruit Quality using Machine and Deep Learning Techniques in in 2022 International Conference on Futuristic Technologies (INCOFT) (IEEE) .
15. Mr. Saurabh Bansod (Scientist 'C') , Mr. Prashant Pal (Scientist 'B') , Mr. Shashank Kumar Singh (Scientist 'B') and Mr. Madhukar Chavan of NIELIT Aurangabad published Research paper titled 'Design and Implementation of Heart Disease Prediction Using Artificial Neural Network' in 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM) (IEEE) .

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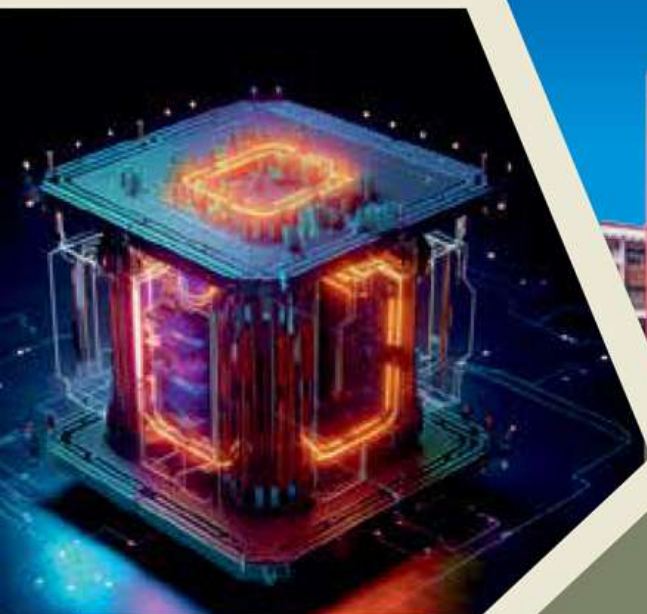
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