techzine

C-DAC R&D DIGEST

JANUARY 2026 - MARCH 2026
VOLUME 1, ISSUE 12

INSPIRING INSIGHTS | IDEAS TO ACTION | PROGRESS PULSE: A PERFORMANCE DASHBOARD | TECH ROLLOUTS

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Message from **Director General**

I am delighted to announce the release of the twelfth issue of Techzine R&D Digest from C-DAC. Heartfelt congratulations to the Corporate R&D team on this significant achievement. I extend my warmest greetings to all C-DACians who have contributed in Techzine for sharing their expertise, passion for research, innovation, and the pursuit of knowledge.

This issue of Techzine is focusing on "C-DAC's global footprint and its International Collaborations". As you are aware that C-DAC has established a strong international presence across multiple continents in more than 40 countries. C-DAC's global footprint reflects India's technology diplomacy and capacity-building vision. Through its International Cooperation Division, C-DAC has established itself as a trusted technology implementation and knowledge partner across various countries. Its international engagements are primarily focused on ICT infrastructure, digital skilling, Centres of Excellence (CoEs), High Performance Computing (HPC), and emerging technologies. The same is carried out with support from Ministry of Electronics & IT (MeitY) and Ministry of External Affairs (MEA), Government of India.

C-DAC envisions expanding its international engagements to further strengthen India's position as a trusted global technology partner. Towards this, I urge all C-DACians to contribute through their respective domains to strengthen C-DAC's international activities. Together, let us work with dedication and a shared vision to make C-DAC's international engagements more meaningful, impactful, and far-reaching.

I appreciate the role of Techzine in disseminating knowledge, inspiring C-DACians, collaboration and strengthening the innovation culture in C-DAC. I extend my best wishes to this publication and hope it continues to serve as a knowledge platform for technological excellence.

Magesh Ethirajan

Message from **Editorial Board**

The Editorial Board of Techzine is delighted to reflect on the significant impact of our eleventh previous issues in advancing the research and development activities of C-DAC. These editions have successfully showcased innovations, supporting their deployment and adoption across various ministries, including MeitY, academia, research institutions, industries, and other key stakeholders.

We are proud to present the Twelfth Issue of Techzine, dedicated to the theme of C-DAC's global footprint and its International Collaborations. This issue of Techzine provides details of activities carried out in various countries including Strategic International Collaborations, Established Infrastructure, International Projects and Deployments, Contribution to Global Standards and Policy and Achievements and Global Impact etc.

Each issue of the Techzine celebrates the achievements of C-DACians across all Centres and reflects our spirit of innovation and excellence. We sincerely thank our contributors and readers for their continued support and encouragement.

As we bring out this new issue, we look forward to continuing this journey together. Thank you for being an important part of the magazine.

Editorial Board

- Mr. Pramod P.J., Head – Corporate R&D
- Mr. Manoj Gopinath, Head, Branding & Communications, C-DAC Pune
- Mr. Shripad Kalambkar, Scientist E, Corporate R&D
- Mr. Anant Kelkar, Joint Director, Corporate R&D
- Mr. Sanjay Chakane, Sr. Admin Officer, Corporate R&D

INSPIRING INSIGHTS ON NEW FRONTIERS

INTERNATIONAL COLLABORATION OF C-DAC

Overview:

C-DAC has taken a significant step in global outreach by establishing the International Cooperation Division (ICD). The primary objective of this division is to foster collaborations and promote the diverse range of products and technologies developed within the centre to cater to the escalating demands of the global IT industry. ICD operates as a pivotal link between C-DAC and various international entities, working in close partnership with key Indian government bodies such as Ministry of External Affairs, Ministry of Defence and Ministry of Electronics & IT. Through these collaborations, ICD facilitate the exchange of knowledge, expertise, and experiences in the domain of ICT. Until today, C-DAC has successfully implemented 65 projects, spanning across 42 countries, covering diverse regions such as Africa, East Europe, South-East Asia, Central Asia, the Middle East, Arab nations, Latin America, the Caribbean, Pacific Islands and South America. The strategic engagements include collaborations with Ghana, Uzbekistan, Tajikistan, Myanmar, Tanzania, Belarus, Armenia, Lesotho, Seychelles, Syria, Grenada, Dominican Republic, Vietnam, Turkmenistan, Kyrgyzstan, Cambodia, Kazakhstan, Saudi Arabia, Ecuador, Peru, Palestine, Bhutan, Costa Rica, Panama, Commonwealth of Dominica, Egypt, Morocco, Guyana, Papua New Guinea, Vanuatu, Fiji, Nauru, Niue, Samoa, Cook Islands, Namibia, Sao Tome & Principe, Jordan, Argentina, Mongolia and Solomon Islands. C-DAC projects traverse a rich spectrum of thematic areas, effectively showcasing C-DAC's prowess in deploying indigenously developed products and cutting-edge technologies globally.

The main activities under these projects are generally as follows:

- Establishment of state-of-the-art IT infrastructure for training and supply of course material at Centre Of Excellence in IT (CEIT). CEIT generally have large data centre, hi-tech computer labs and distance learning labs with video conferencing facility.
- Setting up of High-Performance Computing (HPC) facility to undertake collaborative research & exchange of scientists in this area.

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- Establishment of Content Development Centre with an incubation facility for enhancement of software development skills.
- Establishment of Community Information Centre (CIC) at various remote locations within the country and to provide satellite connectivity between the CICs and IT Centre to offer citizen centric services viz. distance education, e-learning & tele-medicine etc.
- Exchange of experts in the field of e-Governance, High Performance Computing, Artificial Intelligence, Professional Electronics, Cyber Forensics and Medical Informatics etc.
- Exchange of experts and training of master trainers/ scientists in India for managing CEIT and workshops/ collaborative research for scientists in India/ respective country.
- Through these initiatives, more than 1,65,000 students and professionals have been trained, significantly contributing to capacity building and workforce development in partner nations. ICD's engagement spans diverse regions reflecting a broad and inclusive international footprint.
- ICD has played a crucial role in deploying end-to-end digital solutions across domains such as ICT, high-performance computing, e-learning platforms, telemedicine, and e-governance systems. These efforts have enabled technology transfer, institutional strengthening, and long-term capability development, reinforcing India's position as a trusted global technology partner and strengthening its role in digital diplomacy.

Strategic International Collaborations:

- ICD is strengthening its international collaborations through a strategic shift towards long-term, sustainable partnerships under the CEIT 2.0 approach. This model emphasizes joint ownership with partner institutions, deeper integration into local academic and innovation ecosystems, and a strong focus on emerging technologies such as artificial intelligence, cybersecurity, high-performance computing, and advanced digital solutions. By moving beyond short-term, project-based engagements, ICD aims to create lasting institutional relationships that contribute to capacity building, knowledge transfer, and mutual growth.
- A key aspect of this strategy is the promotion of C-DAC's indigenous technologies as market-ready, scalable solutions. Through pilot deployments, proof-of-concept initiatives, and real-world implementations, ICD is enabling partner countries to adopt and benefit from India's technological advancements. This approach not only validates the effectiveness of these solutions in diverse environments but also facilitates their wider global adoption. It supports a transition from technology demonstration to full-scale implementation, ensuring practical impact and long-term value creation.
- ICD is also actively building a strong global partner ecosystem by collaborating with local institutions, industry players, and government bodies in partner countries. These collaborations play a critical role in ensuring localized implementation, efficient service delivery, and sustained engagement. By leveraging local expertise and networks, ICD enhances its ability

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to address region-specific challenges while strengthening trust and cooperation with international stakeholders. To further support continuous engagement, ICD is developing a robust digital ecosystem that includes an international collaboration portal and a global alumni network. These platforms are designed to foster ongoing communication, facilitate knowledge exchange, and maintain long-term connections with professionals, institutions, and beneficiaries associated with its programs. This digital approach ensures that collaborations remain active, dynamic, and impactful even beyond the duration of specific projects.

- Therefore, ICD places strong emphasis on capacity building and human resource development through training programs, faculty development initiatives, and joint research activities. By empowering individuals and institutions with relevant skills and knowledge, it contributes to the development of self-sustaining ecosystems in partner countries. Collaborative research efforts further promote innovation and enable co-creation of solutions tailored to global and local needs. ICD is also enhancing its global visibility and outreach through structured branding and active participation in international forums, technology exhibitions, and multilateral engagements. These efforts help showcase India's technological capabilities, strengthen diplomatic and economic ties, and open new avenues for collaboration. Hence these initiatives collectively reflect a comprehensive and forward-looking approach to international cooperation. By focusing on sustainability, innovation, and partnership-driven engagement, ICD is playing a vital role in expanding India's global footprint in advanced technologies while contributing to inclusive and technology-led development across partner nations

Established Infrastructure:

ICD has established large HPC facility including Data Centre Infrastructure in various countries for deployment of C-DAC's PARAM Range of Supercomputers as listed below:

- **PARAM-Padma** at **India – Ghana Kofi Annan Centre for Excellence in ICT (AITI-KACE) at Accra** has a peak computing capacity of 1.7TF with PARAM interconnect & HPC Applications – **April 2005**
- **PARAM-SERENGETI** at **India – Tanzania Centre of Excellence in ICT at Dar-es-Salaam** consists of 5-nodes; 1-master and 4-compute nodes & HPC Applications – **April 2009**
- **PARAM-Nkwantabu** at **India – Ghana Kofi Annan Centre for Excellence in ICT (AITI-KACE) at Accra** having a peak computing capacity of 22 TF with PARAM interconnect & HPC Applications – **March 2011**
- **PARAM-ARMENIA** at **Enterprise Incubator Foundation (EIF) in Yerevan** consists of 5 Nodes i.e., 1 Master Node and 4 Compute Nodes & HPC Applications – July 2011
- **PARAM-HUST** at **Hanoi University of Science & Technology (HUST) in Hanoi** consists of 16-nodes; 1-master and 15-compute nodes & HPC Applications – **November 2013**
- **PARAM-BILIM** at **Eurasian National University (ENU) in Astana** consists of 5-nodes; 1-master and 4-compute nodes & HPC Applications – **July 2015**
- **PARAM-KILIMANJARO** at **Nelson Mandela African Institution of Science & Technology (NMAIST) in Arusha** consisting of 8-nodes; 1-master and 6-compute nodes & 1 compute node GPGPU along with HPC Applications – **September 2016**

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- **PARAM-HARUB** at **Namibia University of Science & Technology (NUST) in Windhoek** consisting of 5-nodes; 1-master and 4-compute nodes and one compute node GPGPU along with HPC Applications – **January 2020**
- **PARAM Shavak** was deployed at **Al Hussein Technical University (HTU) in Jordan**. The System has pre-installed applications and tools for Bio-informatics, Molecular Dynamics, Atmospheric Sciences (Weather prediction etc.) and Oceanography, Chemistry & Materials Science, CFD, Visualization Tools along with Deep Learning Frameworks & tools – **July 2021**
- **PARAM Shavak (VR)** deployed at **University Of Hurlingham in Buenos Aires, Argentina** along with other associated Infrastructure. The objective of setting up of this lab is to introduce the participants to virtual reality (VR) hardware and teach them the associated software techniques – **August 2022**
  Supply & installation of 12 **PARAM Shavak (6 DL & 6 VR)** in 6 provinces of **Bangladesh** at their ICT Resource Centres – **August 2024**
- Upgradation of **PARAM BILIM at ENU** in Nur-Sultan consists of 4-compute nodes; 1-GPU node, IB switch & cables, cluster upgradation and platform optimization with training – **September 2024**.

ICD has deployed **C-DAC's e-Mentor/ Sikshak/ e-Sikshak & MeghSikshak** (e-Learning & LMS) in more than 35+ countries in CEITs for delivery of course in an online (self-learning) mode and developed e-content for more than 25 different modules to reach out more than 50000 students & working professionals.

ICD has deployed **C-DAC's e-Sanjeevani** (tele-medicine) in Myanmar, Tanzania, Armenia & Kyrgyzstan using of digital communication technology (phone, video call, apps, internet) to provide healthcare services remotely, without the patient and doctor being in the same place.

ICD has deployed **C-DAC's Darpan**, Network Management Software (NMS) to monitor, control, maintain, and optimize computer networks (like office networks, data centers, Wi-Fi, servers, routers, switches) locally and nation-wide in more than 5 countries.

ICD has deployed **C-DAC's Cyber Security & Forensics Tools** for training and to protect systems, detect cyber-attacks, investigate incidents, and collect digital evidence in Syria & Mongolia.

ICD has deployed **C-DAC's ERP** (Integrated Web Based Office Automation System) at CARICOM Secretariat in Georgetown, Guyana that helps them to manage all its major business activities in one integrated system and 19 member states in Caribbean are onboarded for last more than 6 years.

ICD has deployed **C-DAC's UMS** (University Management System) at Nelson Mandela African Institute of Science & Technology (NM-AIST), Arusha, Tanzania that helps the University to manage all academic and administrative activities in one platform.

Through these CEITs; ICD has managed to training more than 1.65 lacs students over the period of last 20 years in 38+ countries and

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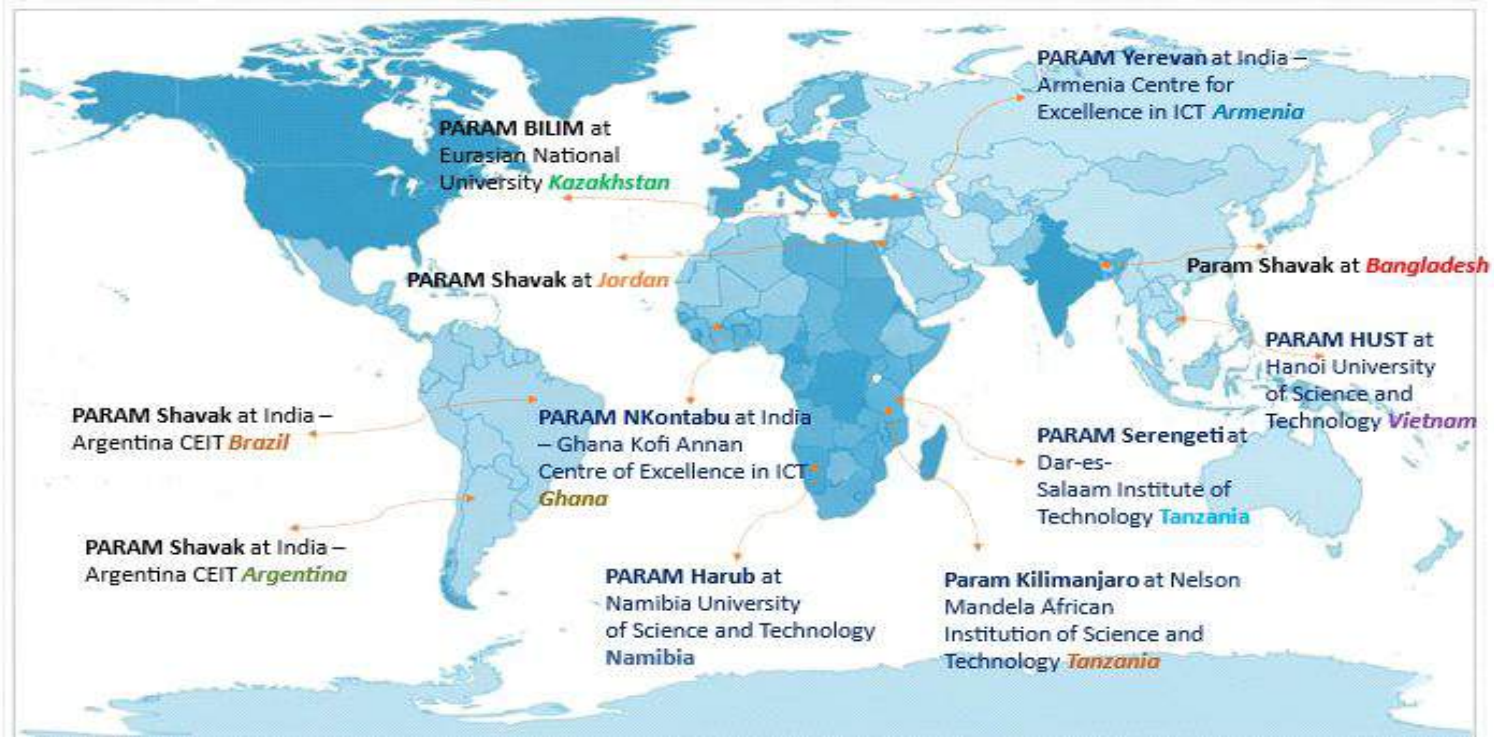
have trained more than 300 faculties from these countries at various centres of C-DAC in India on flagship courses and deputed them as master trainers.

More than 100+ C-DAC's technical resource have been deputed in these CEITs as trainers, centre heads, technical advisors & project managers for a period of 6 months to 2 years for centre coordination & course delivery.

C-DAC centres in Noida, Mohali & Delhi empanelled as ITEC (Indian Technical & Economic Cooperation) training institute are catering to more than 300+ international participants for more than 100 countries every year and providing short-term training courses in more than 30 different domains.

Most of the projects have received excellent recognition & inaugurated by Hon'ble President, Hon'ble Prime Minister & Hon'ble Union Ministers both from India & receipient countries.



International Projects and Deployments (Completed)

- **India - Ghana Kofi Annan Centre for Excellence in Information Technology (AITI-KACE) in Accra, Ghana in the year 2004** - IT Infrastructure & courseware, Establishment of five CIC's across Ghana connected over VSAT, Training of 12 Ghanaian trainers at C-DAC in India, Deputation of CDAC experts for project monitoring, C-DAC PARAM Supercomputer, VSAT, Exchange of Scientists programme. IGKA-CEIT also accredited as international Authorize Training Centre (iATC) of C-DAC


- **India - Tajikistan Centre for Excellence in Information Technology (IT-CEIT) at Dushanbe, in the year 2005** - Under the project, supply / installation of IT Infrastructure & courseware, training of Tajik Master Trainers at CDAC in India, deputation of CDAC experts for Centre Coordination & Course Delivery


- **Jawaharlal Nehru India – Uzbekistan Centre for Information Technology (JNIUCIT) at Tashkent University of Information Technology (TUIT) in Tashkent, Uzbekistan, in the year 2006** - Under the project, supply / installation of IT Infrastructure & courseware, training of Uzbek Master Trainers at CDAC in India, deputation of CDAC experts for Centre Coordination & Course Delivery, CDAC e-Learning and LMS content deployment, accreditation of JNIUCIT as ATC of CDAC and six month training at CDAC ACTS for 10 participants from Uzbekistan. CDAC successfully upgraded the IT Centre in Feb 2014 and thereafter two CDAC experts had been deputed for six months for imparting Training & Center Coordination. As ATC of CDAC, it offered Advanced Diploma courses in IT, Multimedia, Web Technologies, Java, Data Communication, Networking & Linux


- **India – Myanmar Centre for Enhancement of IT skills at University of Computer Studies in Yangon in the year 2008** – Under the project, supply / installation of IT Infrastructure & courseware (for training), training of Myanmar Master Trainers at CDAC in India, deputation of CDAC experts for Centre Coordination & Course Delivery, 10 CIC's in Myanmar connected to IMCEITS by VSAT, deployment of CDAC 'Sanjeevani' Telemedicine software at 10 CIC's & Central site, supply / installation of IT Hardware/Software, Medical Testing Equipment & Audio-Video Equipment at 10 CICs in Myanmar. CDAC thereafter appointed IMCEITS as International Authorized Training Centre (iATC) of CDAC



- **India – Tanzania Centre of Excellence in ICT at Dar es Salaam Institute of Technology (DIT) in Dar es Salaam in the year 2008 -** IT Infrastructure & courseware, Training of 10 Tanzanian trainers at CDAC, Deputation of 2 CDAC experts for centre coordination, CDAC Sanjeevani (Telemedicine Software) & e-Shikshak (e-Learning) at 10 CICs & central site along with IT Hardware/Software, Medical Testing Equipment & Audio-Video Equipment, CDAC PARAM Supercomputer



- **India – Lesotho Centre for Advance Education in IT at Lerotholi Polytechnic in Maseru in the year 2009** – IT Infrastructure & courseware, Training in CDAC for 6 Lesotho Master Trainers, deputation of 2 CDAC experts in Lesotho for 24 months


- **India – Belarus Digital Learning Centre in ICT AT High Technologies Park (HTP) in Minsk in the year 2009 -** The Installation of entire IT infrastructure, CDAC e-learning & LMS for the Central site at Minsk and the 4 CIC's along with delivery of courseware. The Belarusian Master trainers have undergone training at CDAC Pune in two batches from Feb – Aug 2010 and Aug 2010 – Jan 2011


- **India – Vietnam Advanced Resource Centre in ICT at Hanoi People's Committee in Hanoi in the year 2009 -** The project encompasses imparting advance IT education using Classroom teaching & e-learning, Delivery & installation of IT infrastructure/ courseware and training of 28 participants from Vietnam in India for 3 months on CDAC courses. ARC-ICT was made operational in Sep 2011. Two CDAC experts were deputed at ARC-ICT for 6 months for centre coordination & course delivery

- **IT Infrastructure for Armenia Census at Dept. of National Statistical Service (NSS), Yerevan, Armenia** - The delivery and installation of IT hardware/ software was successfully completed on October 9, 2011. On operationalization, the facility is being extensively used for the compilation & analysis of data for Armenia Census

- **India – Turkmenistan Centre for Excellence in IT at Magtymguly Turkmen State University in Ashgabat, Turkmenistan, in the year June 01, 2010** - IT Infrastructure & courseware, Training of 10 Turkmenistan Trainers at CDAC, Deputation of 2 CDAC experts for Centre Coordination and Course Delivery in Turkmenistan

- **India – Grenada Centre for IT at Grenada Industrial Development Corporation (GIDC) at Grenada in the year of Oct 21, 2010** - IT Infrastructure & courseware, Training in Grenada by deputation of 2 CDAC experts for 24 months

- **India – Seychelles Centre of Excellence in ICT at University of Seychelles (UniSey) in Mahe, Seychelles in March 2010** - Installation of entire IT infrastructure, CDAC e-learning & LMS for the Central site at Mahe and the 2 CIC's along with delivery of courseware. Four master trainers from Seychelles have been trained at CDAC ACTS in Pune, India for six months and two experts from CDAC deputed for centre coordination & course delivery.

- **India – Syria Centre for IT at National Agency for Network Security (NANS) in Damascus, Syria** - IT Infrastructure, Courseware & C-DAC Cyber Forensics tools along with deputation of C-DAC experts.



- **India – Armenia Centre of Excellence in ICT at Enterprise Incubator Foundation (EIF) in Yerevan, Armenian in July 2010** - IT equipment and courseware along with CDAC's PARAM Supercomputer & e-Mentor (Learning Management System) application


- **Computer Labs in 72 Schools under Tavush Region of Armenia** - IT infrastructure at 72 Schools across Tavush region of Armenia


- **India – Dominican Republic Centre for IT at Capex in Santiago in May 2011** - IT Infrastructure & courseware, Training in Dominican Republic by deputation of 3 CDAC experts for 2 years

- **India – Cambodia Centre of Excellence in Talent Development at National Information Communications Technology Development Authority (NIDA) in Phnom Penh in the year 2012** - Delivery of the books, 10 participants from Cambodia were trained at C-DAC on various advanced IT courses in CDAC Pune. Installation and commissioning of the CDAC e-learning software & LMS


- **Centre of Excellence in HPC at Hanoi University of Science & Technology in Hanoi in the year 2013** - Deployment of 16 Nodes PARAM Supercomputer, High Performance Computing Facility at Hanoi University of Science & Technology, Hanoi, Exchange of scientists for HPC workshops

- **Language Laboratory & E-resource Centre At Yangon & Nay Pyi Taw in the year 2013** - Language Laboratory & E-Resource Centre at Yangon & Nay Pyi Taw at Ministry of Foreign Affairs in Yangon & Nay Pyi Taw, Myanmar


- **CENTRAL ASIA (2015): e-Network** - Network to offer e-services with a priority on Tele-Education and Tele-Medicine services between India and Kyrgyzstan


- **e-Library in Bhutan in the year 2020** - E-Library created in 49 schools, 12 colleges, 1 Central Repository, 1 e-Library studio established. 8 Bhutanese trained on e-Content creation in e-library studio; More than 350 faculties trained under the project for e-Library portal & content management


- **India – Peru Centre of Excellence in IT at INICTEL-UNI in Lima, Peru in the year 2014** - IT Infrastructure, Courseware and Training at INICTEL-UNI, Lima by deputation of 3 CDAC experts for 2 years


- **India – Ecuador Centre of Excellence in IT at YACHAY in Quito, Ecuador, in the year 2014** - IT Infrastructure, Courseware and Training at National Technical University (UTN), Ibarra by deputation of 3 CDAC experts for 2 years. The CEIT was moved from UTN in Ibarra to YACHYE City of Knowledge in Quito.


- **India – Kazakhstan Centre of Excellence in ICT at Eurasian National University (ENU) in Astana, Kazakhstan in the year 2015** - IT Infrastructure, Courseware, Training in India for 10 Kazakh Master trainers, PARAM Supercomputer & e-Learning and deputation of 2 CDAC experts in Kazakhstan for Centre Coordination & training for 6 months and HPC workshops


- **Setting up Computer labs at 37 Schools in Tajikistan in the year 2015** - Computer labs at 37 Schools in Tajikistan under Ministry of Education & Science, Tajikistan


- **Centre of Excellence in IT at Commonwealth of Dominica in the year 2015** – IT Infrastructure


- **Centre of Excellence in IT at Costa Rica in the year 2015** – IT Infrastructure


- **Centre of Excellence in IT at Panama in the year 2015** – IT Infrastructure

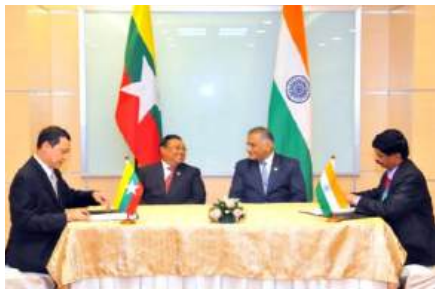

- **ICT Resource Centre at Nelson Mandela African Institute of Science & Technology, Arusha, Tanzania in the year 2016** - IT Infrastructure & courseware, Training of 06 Tanzanian trainers at CDAC, Deputation of 2 CDAC experts for conducting M. Tech Program for 2 years, CDAC PARAM, e-Learning, University Managements and HPC workshops in India and Tanzania


- **India – Palestine Centre of Excellence in ICT at Al Quds University - Abu Dis and Digital Learning & Innovation Centre** – Ramallah in the year 2016 - The project encompasses setting up IT infrastructure, course material & reference books for students taking admission in IPCEICT. Also, CDAC e-Learning Software and Learning Management System with digital content on IT courses has also been deployed at IPCEICT. Under the project, a Digital Learning & Innovation Centre (DLIC) has also been setup in the Ramallah Campus of Al-Quds University.



- **Centre of Excellence in Software Development and Training (CESDT) in Cambodia** - IT Infrastructure, Courseware, Training in India for 10 Master trainers, CDAC e-Learning, LMS and deputation of CDAC experts in Lao PDR for Centre Coordination & training for 1 year, Accreditation of CESDT as ATC of CDAC for 2 years


- **Centre of Excellence in Software Development and Training (CESDT) in Myanmar** - IT Infrastructure, Courseware, Training in India for 10 Master trainers, CDAC e-Learning, LMS and deputation of CDAC experts in Lao PDR for Centre Coordination & training for 1 year, Accreditation of CESDT as ATC of CDAC for 2 years




- **Centre of Excellence in Software Development and Training (CESDT) in Lao PDR -** IT Infrastructure, Courseware, Training in India for 10 Master trainers, CDAC e-Learning, LMS and deputation of CDAC experts in Lao PDR for Centre Coordination & training for 1 year, Accreditation of CESDT as ATC of CDAC for 2 years

- **Upgradation of existing IT infrastructure and associated software at CARICOM Secretariat, Guyana in the year 2021 -** IT Hardware & Software at CARICOM Secretariat and provide specialized IT Training, delivery of specialized IT training program for CARICOM Officials in CARICOM Secretariat, Guyana. Designed and developed C-DAC Web based Integrated Office Automation System for Enterprise Content Management, Web based Digital Content Management and Web based Contact Management.

- **India – Papua New Guinea Centre of Excellence in IT at Port Moresby in the year 2018 -** IT Infrastructure, Courseware, Training in India for Master trainers, CDAC e-Learning & LILA and deputation of 2 CDAC experts for Centre Coordination & training

- **India – Fiji Centre of Excellence in IT at Suva in the year 2019-** IT Infrastructure, Courseware, Training in India for Master trainers, CDAC e-Learning & LILA and deputation of 2 CDAC experts for Centre Coordination & training for 2 years

- **India – Samoa Centre of Excellence in IT at Apia in the year 2019 -** IT Infrastructure, Courseware, Training in India for Master trainers, CDAC e-Learning & LILA and deputation of 2 CDAC experts for Centre Coordination & training for 2 years

- **India – Niue Centre of Excellence in IT at Alofi in the year 2019** - IT Infrastructure, Courseware, Training in India for Master trainers, CDAC e-Learning & LILA and deputation of 2 CDAC experts for Centre Coordination & training for 2 years

- **India – Nauru Centre of Excellence in IT at Yaren in the year 2020** - IT Infrastructure, Courseware, Training in India for Master trainers, CDAC e-Learning & LILA and deputation of 2 CDAC experts for Centre Coordination & training for 2 years

- **India – Cook Islands Centre of Excellence in IT at Rarotonga in the year 2020** - IT Infrastructure, Courseware, Training in India for Master trainers, CDAC e-Learning & LILA and deputation of 2 CDAC experts for Centre Coordination & training for 2 years

- **India - Guyana Centre for Excellence in Information Technology (IG-CEIT) at University of Guyana in Georgetown in the year 2021** - IT Infrastructure & courseware, CDAC e-Mentor & LILA Software deployment, Centre Management & Training in Guyana by deputation of 3 CDAC experts for 24 months

- **India – Egypt Centre for Excellence of Information Technology, Cairo in the year 2021** - IT Infrastructure, Courseware and deputation of 3 CDAC experts for Centre Coordination & training for 2 years

- **India – Morocco Centre for Excellence of Information Technology in Casablanca in the year 2020** - IT Infrastructure, Courseware and deputation of 3 CDAC experts for Centre Coordination & training for 2 years

- **NexGen Centre of Excellence in IT at Hashemite Kingdom of Jordan** – IT Infrastructure, Courseware & CDAC PARAM Shavak Supercomputer, Training of 30 Jordanian Master Trainers at CDAC Resource Centre in Noida

- **India-Namibia Centre of Excellence in IT at Namibia University of Science & Technology (NUST) in Windhoek in the year 2022** - IT Infrastructure for computer laboratory, classrooms & offices has been set up and Courseware & Reference Books for the students has been supplied. PARAM !ARUB (Harub) Supercomputer and deputation of 3 C-DAC experts for 2 years

- **India – Argentina Centre of Excellence in IT at University of Hurlingham in Buenos Aires in the year 2024** - IT Infrastructure, Courseware & CDAC PARAM Shavak Supercomputer, Training of 10 Master Trainers from Argentina at CDAC in India

- **India – Solomon Islands Centre of Excellence in IT at Honiara in the year 2025** - IT Infrastructure, Courseware, Training in India for Master trainers, CDAC e-Learning & LILA and deputation of 2 CDAC experts for Centre Coordination & training for 2 years

- **Cyber Security Training Centre at National Defence University in Ulaanbaatar, Mongolia in the year 2023** – IT Infrastructure & Software, C-DAC Cyber Forensic Tools e-Learning & LMS (Meghshikshak), Training of Mongolian Defence personal on C-DAC PG-Diploma Courses. Deputation of two C-DAC experts as resident engineer for 1 year.

International Projects and Deployments (Ongoing)

- **India – Vanuatu Centre of Excellence in IT (CEIT) at Port Vila:** CDAC experts deputed as Centre Head and Trainer on April 01, 2024 and July 01, 2024 respectively at Centre of Excellence in Information Technology (CEIT) located at Vanuatu Institute of Technology for Centre coordination & course delivery for a period of two years as per the Agreement signed between MEA & C-DAC and have successfully conducted specialized skilled training activities at CEIT, CDAC has successfully completed 24 months of training activities and overall management and coordination of CEIT with host Government and the Indian Embassy in Wellington, New Zealand, accredited to Vanuatu on 31 March 2026.

- **MEA & C-DAC sign Agreement for extension of accreditation of India Myanmar Centre for Enhancement of IT Skills in Yangon as International Authorised Training Centre (iATC) of C-DAC with the financial assistance from Government of India**

  C-DAC signed Agreement with MEA on 4th March 2025 regarding extension of accreditation of India - Myanmar Centre for Enhancement of IT Skills in Yangon as International Authorised Training Centre (iATC) of C-DAC with the financial assistance from Government of India.

  In the current (fifth) phase of accreditation CDAC has completed training of 5 (Five) master trainers from IMCEITS at C-DAC in India on 6 (Six) months in advance post graduate diploma courses has been completed in Feb 2026.

- **Centre of Excellence in Software Development and Training (CESDT) in Vietnam and appropriate accreditation to these training courses by C-DAC**

  The project being implemented by ICD under Activity 1 of the project titled "Setting up of a Sustainable IT Infrastructure for Advanced IT Training using Conventional, Virtual classroom and e-Learning Technologies in CLMV/ ASEAN" involves to setup state-of-the-art IT infrastructure (IT hardware/ software, computer peripherals, networking equipment, classroom equipment, video conferencing and UPS etc.) in Vietnam. C-DAC has accredited CESDT in Vietnam as ATC (Authorized Training Centre) of CDAC and shall support it for a period of 2 years. C-DAC will issue the certificates to all the candidates successfully passing out of CESDT in Vietnam during this period. 10 (ten) Master Trainers from Vietnam completed their 6 months PG Diploma Courses at C-DAC Pune and deputed at CESDT. C-DAC expert deputed at CESDT in Vietnam for a period of one year to do the centre coordination & course delivery.

- **Centre of Excellence in Software Development and Training (CESDT) in Myanmar and appropriate accreditation to these training courses by C-DAC**
  The project being implemented by ICD under Activity 1 of the project titled "Setting up of a Sustainable IT Infrastructure for Advanced IT Training using Conventional, Virtual classroom and e-Learning Technologies in CLMV/ ASEAN" involves to setup state-of-the-art IT infrastructure (IT hardware/ software, computer peripherals, networking equipment, classroom equipment, video conferencing and UPS etc.) in Myanmar. 10 (ten) Master Trainers from Myanmar completed their 6 months PG Diploma Courses at C-DAC Mohali and deputed at CESDT. C-DAC will accredited CESDT in Myanmar as ATC (Authorized Training Centre) of CDAC and shall support it for a period of 2 years. C-DAC will issue the certificates to all the candidates successfully passing out of CESDT in Vietnam during this period. C-DAC expert will be deputed at CESDT in Myanmar for a period of one year to do the centre coordination & course delivery.

- Approval from Permanent Mission of India to United Nation in New York has been received for **High Performance Computing - Adoption and Usage in Lesotho**, the objective is to provide support to projects that aim to contribute to the achievement of the Sustainable Development Goals and assist the countries of the Global South, this project will bring in the much-needed accessibility of upgraded HPC infrastructure, high quality training, increased utilisation of the HPC system by local institutions in Lesotho

- ICD has setup Cyber Security Training Centre (CSTC) at National Defence University (NDU) at Ulaanbaatar, Mongolia and recently done the upgradation by renewal of Cyber Forensic Tools & IT Hardware and now providing required support

Contribution to Global Standards and Policy

- The International Collaboration Division (ICD) at C-DAC plays a significant role in contributing to global standards and policy development by promoting structured, standardized, and sustainable approaches to digital transformation across partner countries. Through its international engagements, ICD supports the alignment of digital initiatives with globally accepted frameworks, ensuring consistency, interoperability, and quality in the adoption of information and communication technologies (ICT). Its efforts are focused on enabling countries to adopt best practices in areas such as digital governance, capacity building, and deployment of emerging technologies.

- A key area of contribution lies in the development and dissemination of standardized curricula, certification programs, and training methodologies that are aligned with international benchmarks. Through its Centres of Excellence and various capacity-building initiatives, ICD facilitates the transfer of knowledge and skills in critical domains such as cybersecurity, e-governance, artificial intelligence, and digital public infrastructure. These programs are designed not only to impart technical expertise but also to help partner countries institutionalize globally recognized standards and practices within their education and governance systems. This ensures long-term sustainability and consistency in skill development and technology adoption.

- ICD also plays an important role at the policy level by working closely with local government agencies, academic institutions, and regional organizations in partner countries. It provides technical guidance and implementation support for digital systems such as e-learning platforms, telemedicine solutions, and enterprise-level applications. Through these collaborations, ICD contributes to the

development of robust regulatory frameworks and policy guidelines that support secure, scalable, and inclusive digital ecosystems. Its involvement helps countries strengthen their institutional capacities, improve governance mechanisms, and align their policies with international norms.

- Furthermore, ICD's initiatives encourage the adoption of interoperable and scalable digital solutions that can be integrated across sectors, thereby enhancing efficiency and service delivery. By promoting standards-based approaches, ICD ensures that digital systems developed in partner countries are compatible with global technologies and frameworks, enabling smoother collaboration and cross-border integration, Overall, ICD's contributions to global standards and policy extend beyond technical implementation to include capacity building, institutional strengthening, and strategic policy support. By fostering alignment with international best practices and enabling the adoption of standardized digital frameworks, ICD is helping partner nations build resilient, self-reliant, and future-ready digital ecosystems while reinforcing India's leadership in global digital cooperation.

Participation in Global Platforms (Events/Conferences)

1. **Visit of Delegation from Brazilian State Funding Agencies, Brazil to C-DAC Delhi** - Delegation from Brazilian State Funding Agencies, Brazil led by Prof. Ramiro Warhaftig President of Araucaria Foundation, Brazil visited C-DAC, Delhi on 27th January 2026. The objective of the delegation visit was to explore the possible areas of cooperation between C-DAC & CONFAB in the field of HPC, digital health and Mobility Computing solutions.

2. **Visit of Delegation from the Republic of Cuba** - Delegation from Embassy of the Republic of Cuba in India led by H.E. Juan Carlos Marsan Aguilera, Ambassador of the Republic of Cuba to India visited C-DAC, Delhi on 13th October 2025 followed by delegation from the Republic of Cuba led by H.E. Mayra Arevich Marín, Hon'ble Minister Ministry of Communications Government of Republic of Cuba visited C-DAC Delhi on 23rd February 2026. The objective of the visit was to explore the possible areas of cooperation between C-DAC & XETID and Ministry of Communications Government of Republic of Cuba in the field of digital health, governance solutions, Cybersecurity & Cyber Forensics and Emerging Technologies.

3. **Visit of Delegation from Tanzania People's Defence Force (TPDF) to C-DAC Delhi** - Delegation from Tanzania People's Defence Force, the head of the delegation Brig Gen Fabian Gaspar Machemba, Acting Chief of Defence intelligence visited C-DAC, Delhi on 18th February 2026. The objective of the visit was to explore the possible areas of cooperation between C-DAC & TPDF in the field of Cybersecurity and Cyber Forensics.

4. **Meeting with Hon'ble Vice President of Seychelles on Cybersecurity Collaboration** - A delegation from the Seychelles, led by Sebastien Pillay, Hon'ble Vice President of the Republic of Seychelles, visited New Delhi to attend the AI Impact Summit held from 16–20 February 2026, on 20th February 2026, Mr. Pillay held a meeting with C-DAC

Achievements and Global Impact

- ICD at C-DAC has achieved significant milestones in advancing global capacity building and driving digital transformation across partner countries. Over the years, ICD has trained more than 1,65,000 students, professionals, and government officials through its structured training programs and skill development initiatives. This large-scale capacity-building effort reflects its commitment to empowering human resources and strengthening digital competencies in developing regions. In addition, the establishment of more than 43 Centres of Excellence in Information Technology has created strong institutional frameworks that support continuous learning, innovation, and technology adoption.

- These Centres of Excellence serve as hubs for advanced training, research, and technology deployment, enabling partner countries to build self-sustaining ecosystems. Equipped with modern infrastructure and aligned with global standards, these centers play a critical role in bridging the digital divide and fostering local expertise. ICD's initiatives go beyond infrastructure creation by ensuring that knowledge transfer, faculty development, and hands-on training are integral components of its engagement model.

- ICD's impact is also evident in the widespread adoption of digital technologies across key sectors such as education, healthcare, governance, and research. In the education sector, the implementation of e-learning platforms has expanded access to quality education, enabling remote and flexible learning opportunities for students and professionals. In healthcare, telemedicine solutions have significantly improved access to medical services, particularly in remote and underserved regions, by connecting patients with healthcare professionals through digital networks. Similarly, in governance, digital systems and e-governance solutions have enhanced transparency, efficiency, and service delivery, contributing to improved public administration. beyond sectoral impact, ICD's global engagements have played an important role in strengthening India's position as a reliable and trusted technology partner on the international stage. Its work supports the broader vision of South-South cooperation by facilitating knowledge sharing, technology transfer, and collaborative development among developing countries. Through its inclusive and partnership-driven approach, ICD contributes to digital diplomacy by building strong bilateral and multilateral relationships based on trust, mutual benefit, and shared growth.

- The scale, diversity, and success of ICD's projects demonstrate its capability to deliver comprehensive, end-to-end solutions ranging from infrastructure setup and training to system integration and long-term support. Its initiatives are designed to create lasting impact by ensuring sustainability, adaptability, and continuous improvement. Overall, ICD's achievements highlight its vital role in enabling digital empowerment, fostering innovation, and creating long-term value for partner countries while reinforcing India's leadership in global technology collaboration.

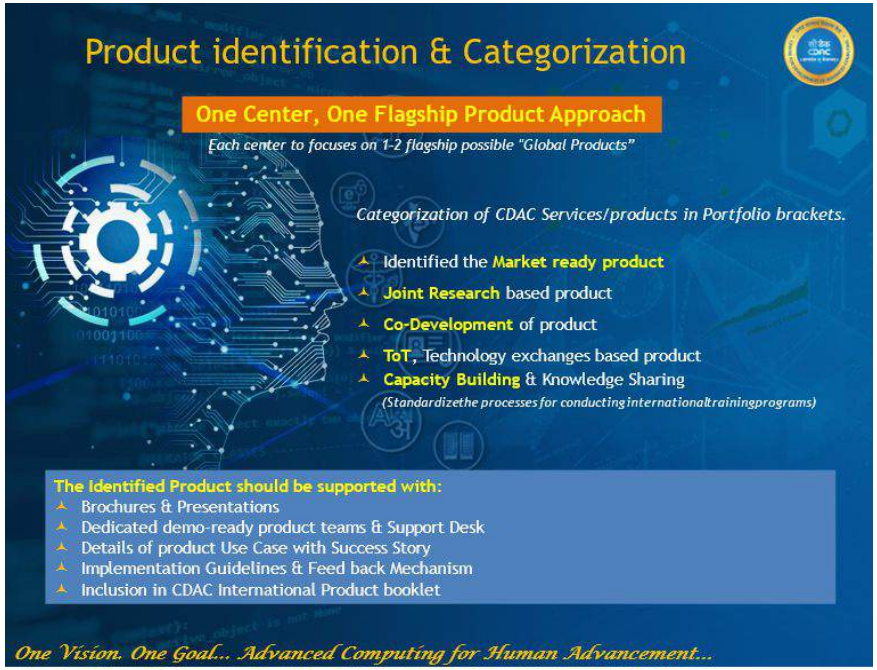
Future Outlook

- The future outlook of the International Collaboration Division (ICD) at C-DAC is centered on transforming its global engagement model towards sustainability, scalability, and innovation-led growth. A key element of this transformation is the transition to the CEIT 2.0 framework, which emphasizes long-term institutional partnerships through joint ownership, deeper integration with local academic and innovation ecosystems, and continuous

capacity building. This shift reflects a move away from short-term, project-based engagements to more structured and enduring collaborations that create lasting value for partner countries.

- ICD will prioritize emerging and transformative technology domains such as artificial intelligence, cybersecurity, quantum computing, Internet of Things (IoT), and digital public infrastructure. By focusing on these high-impact areas, ICD aims to stay aligned with global technological advancements while addressing the evolving needs of partner nations. At the same time, it plans to expand its global footprint by exploring new geographies and strengthening its presence in existing partner countries, thereby enhancing its international reach and influence.

- A major strategic direction involves adopting a product-based and revenue-driven approach to international collaboration. This includes the deployment of market-ready solutions through pilot projects, co-development initiatives with international partners, and the global commercialization of C-DAC's indigenous technologies. Such an approach will not only improve scalability and efficiency but also contribute to financial sustainability and recurring revenue generation. Strengthening the global partner ecosystem will remain a priority, with increased collaboration with local institutions, industry stakeholders, and government bodies to support localized implementation and long-term engagement. ICD is investing in the development of robust digital collaboration platforms and an active global alumni network to ensure continuous interaction, knowledge sharing, and relationship building. These digital and community-driven initiatives will help maintain engagement beyond project lifecycles and create a strong network of stakeholders connected to C-DAC's international programs.



- To support this evolving model, ICD is also being strengthened as a central nodal authority for all international activities within C-DAC. This includes the introduction of standardized processes, centralized data management systems, dedicated coordination mechanisms, and the allocation of focused resources to ensure efficient implementation and governance. Such structural enhancements will improve operational efficiency, transparency, and strategic alignment across all international initiatives. hence these forward-looking initiatives are expected to position ICD as a leading global player in technology-enabled development cooperation. By driving innovation, fostering strong partnerships, and ensuring sustainable and scalable operations, ICD will continue to enhance India's global standing in advanced computing and digital technologies while delivering meaningful and long-term impact across partner countries.

IDEAS TO ACTION

NEW MEITY PROJECTS

IDEAS TO ACTION

1

Name of Project: Superconducting based indigenous Quantum computing System with Cryo-controllers

CI: Shri Sanjay Wandhekar, Centre Head, C-DAC Pune

PI's : Shri Sajish Chandrababu, Scientist F, C-DAC Pune
Shri Amit Saxena, Scientist F, C-DAC Pune
Dr. Anindita Banerjee, Project Manager, C-DAC Pune.

Collaborators: Indian Institutes of Technology (IIT) Delhi, Variable Energy Cyclotron Centre (VECC) Kolkata, Solid State Physics Laboratory (SSPL), DRDO, Delhi.

Brief Description: Major objective of the project is to build a fully indigenous quantum computer with a pulse tube cryocooler (PTC), cryogenic control chip, dilution refrigerator (DR) and a superconducting quantum processor.

NEW MEITY PROJECTS

IDEAS TO ACTION

2




Name of Project / Initiative : Research & Development of a Secure, Compliant and Stakeholder-Inclusive Adjudication and Compliance Digital System (ACDS) under Section 46 of the Information Technology Act, 2000

CI: Dr. Mary Jacintha M, Scientist F, C-DAC Noida

CO-CI : Shri. Navneet Jain, Scientist G, C-DAC Noida
Ms. Priyanka, Scientist E, C-DAC Noida
Shri. Vivek Arya, Project Manager, C-DAC Noida.

Brief Description: The proposed initiative focuses on designing, developing, and deploying a comprehensive Adjudication and Compliance Digital System (ACDS) across the Nation, to fully digitize the lifecycle of Section 46 cases, unauthorized acts involving computers and makes a person liable to pay compensation to the affected party, from complaint filing and scrutiny to notice issuance, evidence management, hearings, order issuance, and compliance tracking.

NEW MEITY PROJECTS

IDEAS TO ACTION

3

Name of Project : "Walk For Life": Health Incubator In-ILBS Hospital Delhi

CI: Dr. S.K. Sarin, Senior Professor & Director, ILBS Hospital

CO-CI : Dr. Harsh Vardhan Tevethia, Associate Professor, ILBS Hospital

C-DAC Partner : Dr. Priyanka Jain, Scientist 'F', C-DAC Delhi

Collaborator : ILBS Hospital

Brief Description: The project envisions the development of a screening tool which captures relevant body information in non-invasive manner and detects Non-Communicable Diseases in seconds. C-DAC Delhi is responsible for technological contribution with the responsibility of design, development, integration and deployment of the necessary software suite. This will lead to data management, AI-driven insights and an interactive dashboard for event marking by medical experts in analytics and decision making.

NEW MEITY PROJECTS

IDEAS TO ACTION

4

Name of Project : Design and Development of a Framework for Collection and Analysis of the sinkholed Traffic

CI: Shri Sadhu Sreenivasarao, Scientist E, C-DAC Hyderabad

CO-CI : Shri T Sai Gopal, Scientist E, C-DAC Hyderabad

Brief Description: The objective of the project is to design and develop a framework for collection and analysis of the sinkholed data for identification of client systems communicating with the malicious domains and/or Command & Control Servers (C2).

The major objectives of project include the following:

- Evolving a Framework for collecting and analyzing the sinkholed traffic.
- Setting up of the infrastructure and deployment of sinkhole services.
- Collection and storage of sinkholed network data of potential suspicious domains and IP addresses.
- Design and development of pre-processing and analysis engine with a dashboard to provide enriched information.
- Identification of client systems communicating with malicious domains/IP addresses and dissemination of information.
- Dissemination of information of compromised systems to concerned ISPs, Organizations and Stakeholders.

NEW R&D PROJECTS

IDEAS TO ACTION

(EXTERNAL FUNDING)

5

Name of Project : ASTRA-Q: Astronomical and Space Weather Tracking with Quantum Artificial Intelligence

CI: Dr. Abhirup Datta, Professor, IIT Indore

CO-CI : Shri Jitesh Choudhary, Scientist E & Centre Head, C-DAC Centre in North East (CINE)

Funding Agency : NQM DST

Collaborating Agency : IIT Indore, TCG CREST, ADAMAS University, SRM Institute of Science & Technology, University of Calcutta, SHARDA University

Brief Description: A National Quantum Mission Initiative for Hybrid Quantum - Classical AI in Space Science- The project focuses on four core objectives: (i) real-time space weather forecasting using hybrid QML pipelines on Aditya-L1 and global datasets to enable ≤ 3-hour solar storm alerts and short-window near-Earth predictions; (ii) astronomical classification of billions of celestial objects with >95% accuracy using quantum-enhanced models; (iii) galaxy cluster tomography through quantum optimal transport methods for efficient 3D mass reconstruction from multi-wavelength observations; and (iv) development of Physics-Informed Quantum Neural Networks (Pi-QNNs) for simulating magnetohydrodynamic processes in the solar corona.

NEW R&D PROJECTS

IDEAS TO ACTION

(EXTERNAL FUNDING)

6

Name of Project : Design and Development of Advanced Cochlear Implant

CI: Shri Gopan George, Scientist F, C-DAC Thiruvananthapuram

CO-CI : Shri Deepu K Krishnan, Scientist F, C-DAC Thiruvananthapuram
Ms. Deepa Sivan, Scientist F, C-DAC Thiruvananthapuram
Shri Vipin R. L., Scientist E, C-DAC Thiruvananthapuram
Shri Varun M. J. Scientist E, C-DAC Thiruvananthapuram

Funding Agency : Society for Biomedical Technology (SBMT) and DRDO

Collaborating Agency : SBMT and KELTRON

Brief Description: This is a state-of-the art project aiming in the indigenous design and development of Cochlear Implant technology with the complete ecosystem including the indigenous external speech processor and implant unit, custom ASICs, advanced signal processing algorithms for speech coding and to enhance speech perception, fitting software and supporting accessories. Currently all the Cochlear Implants used in India are imported and expensive. The design and development of the Advanced Cochlear Implant will pave way to an indigenous affordable solution for Divyangjans suffering from severe hearing loss.

PROGRESS PULSE:

A PERFORMANCE DASHBOARD

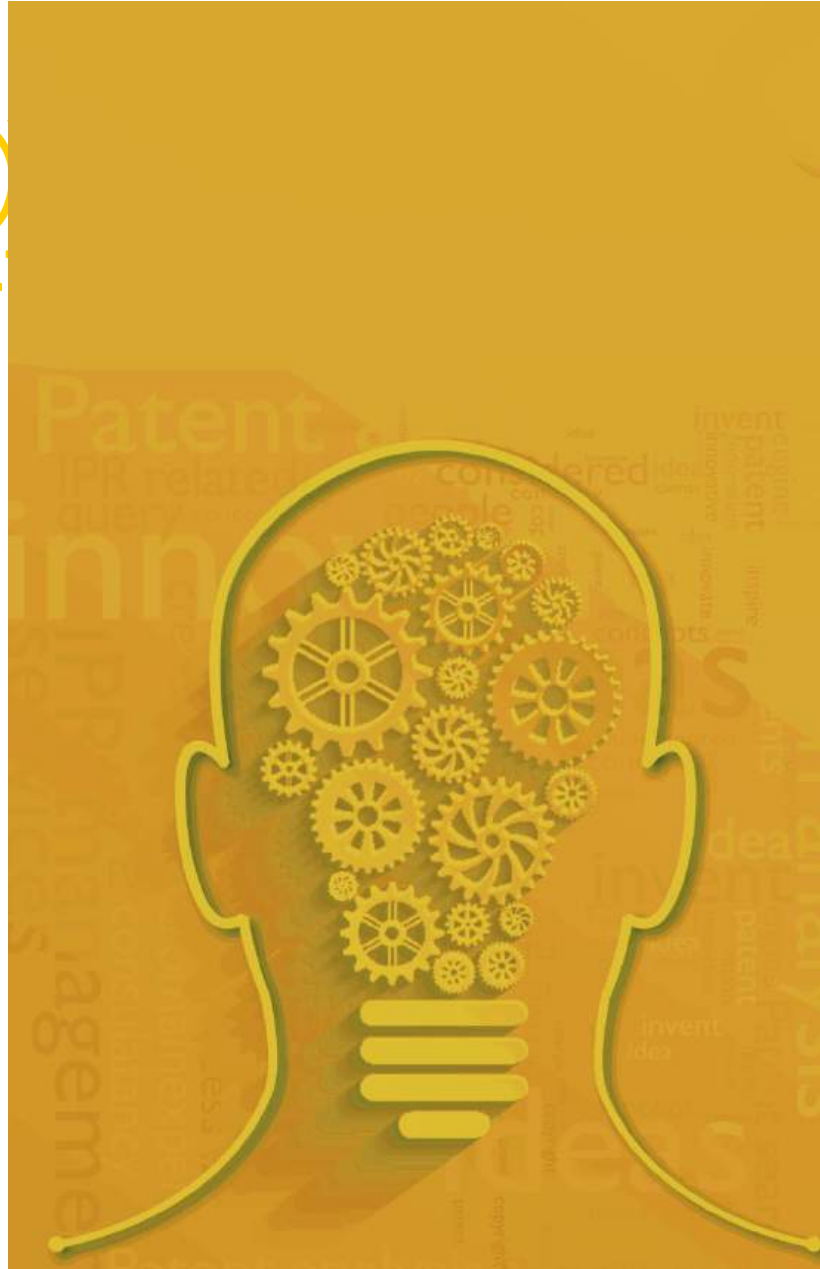
IPR PORTFOLIO

To create awareness and increase the Intellectual Property Rights (IPR) footprint across C-DAC, the Corporate IPR Cell has been established. Details of the IPR activities of C-DAC during this quarter are as below:

- A comprehensive Intellectual Property Management Strategy was formulated and presented to Joint Secretary, MeitY at the 32nd CC meeting held on 6 January 2026. The plan outlined annual IPR targets for each technology vertical to protect C-DAC's IP assets, along with a five-year roadmap to augment its IPR portfolio. The approach also incorporated both offensive and defensive patenting strategies to strengthen institutional innovation and competitiveness.

- To promote IP awareness and commercialization, the IP Cell under IP Catalyst at C-DAC, Pune conducted a "Lab to Market" workshop on 27–28 February 2026.

	IPR portfolio of C-DAC (Year 2013 to March 2026)				Quarterly IPR portfolio of C-DAC (January 2026- March 2026)			
	Patents	Copyrights	Trademarks	Design	Patents	Copyrights	Trademarks	Design
Applied/Filed (Pending)	70	32	46	7	3	8	0	1
Granted/Registered	123	202	25	8	1	4	1	0
Total	**193**	**234**	**71**	**15**	**4**	**12**	**1**	**1**

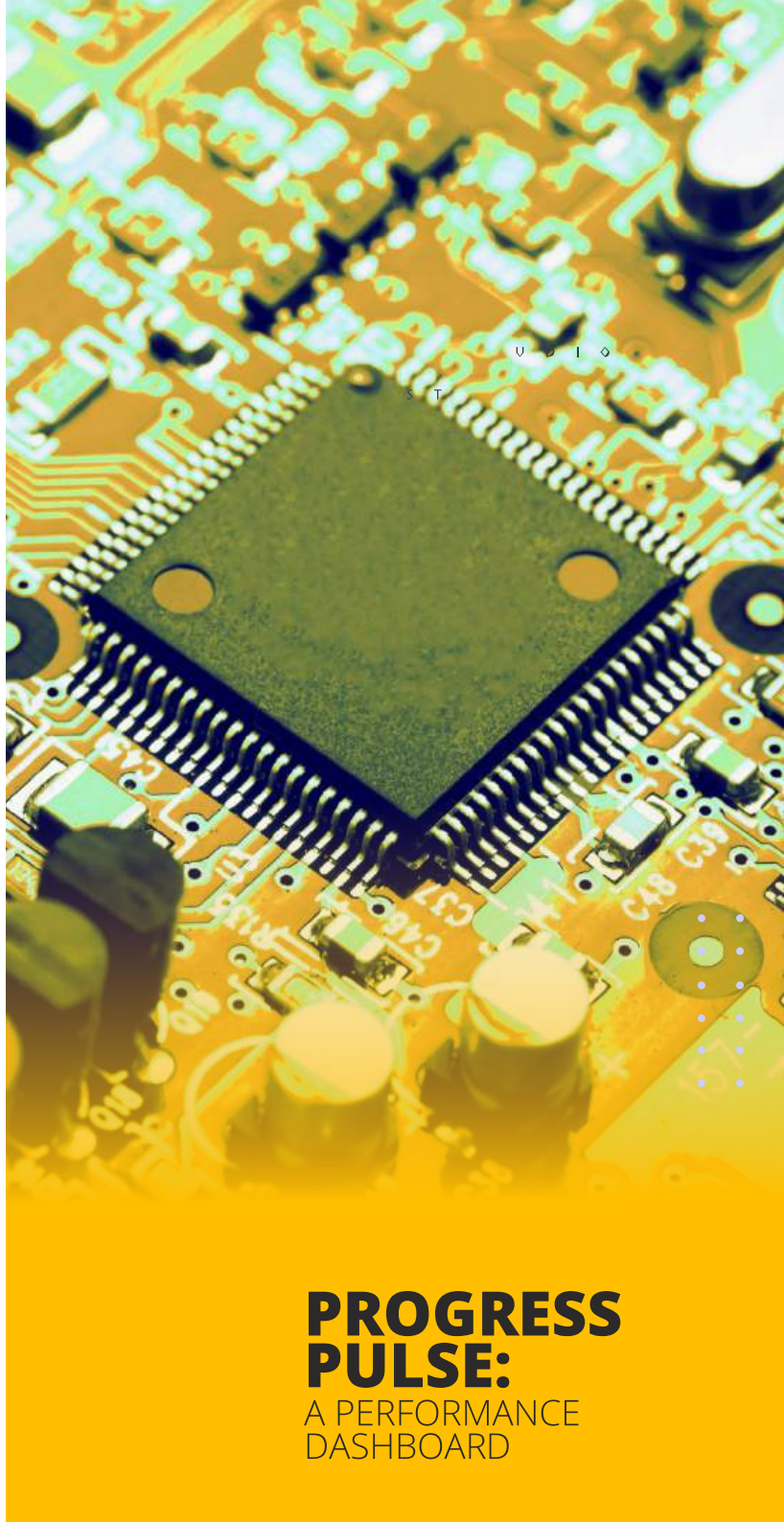


MAJOR PROJECT PERFORMANCE/ STATISTICS

CHIPIN CENTRE - C2S PROGRAMME

C2S Programme was initiated by MeitY from January, 2022 onwards with an aim to train about85,000 specialized manpower over a period of 5 years in VLSI and embedded system design and leapfrog in ESDM space by way ofinculcating the culture of System-on-Chip (SoC)/Reusable hardware IPs/System-level design at bachelors, masters and research-level and act as a catalyst for growth of Startups involved in fabless design. The programme envisages having about 100-120 nos. of participating institutions across the country that would be supported for developing proof-of-concept (PoC)/working prototypes/electronic systems at various TRLs by way of providing fiscal support and resources such as EDA tools (through remote access of EDA tools licenses), chip fabrication support, prototype design using FPGA boards, etc. C-DAC Bangalore is Programme Coordination Institution for overall implementation of the programme.

ChipIN Centre has been established at C-DAC Bangalore to dedicate its services to semiconductor design community of the country. The facility acts as one-stop centre to provide semiconductor design tools, fab access, virtual prototyping hardware lab access to fabless chip designers from Startups/MSME and Academia. It is a common dedicated centralised cloud-supported design infrastructure facility, not only hosting the EDA tools (from Synopsys, Cadence, Siemens, Xilinx, Ansys, Keysight, Silvaco, Altium, Cadre design, Compcarta EDA Tools) for the entire chip design cycle, but also provide aggregate services for fabrication of design at Indian foundries, for example, SCL foundry & overseas foundries and packaging.



PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

CHIPIN CENTRE - C2S PROGRAMME

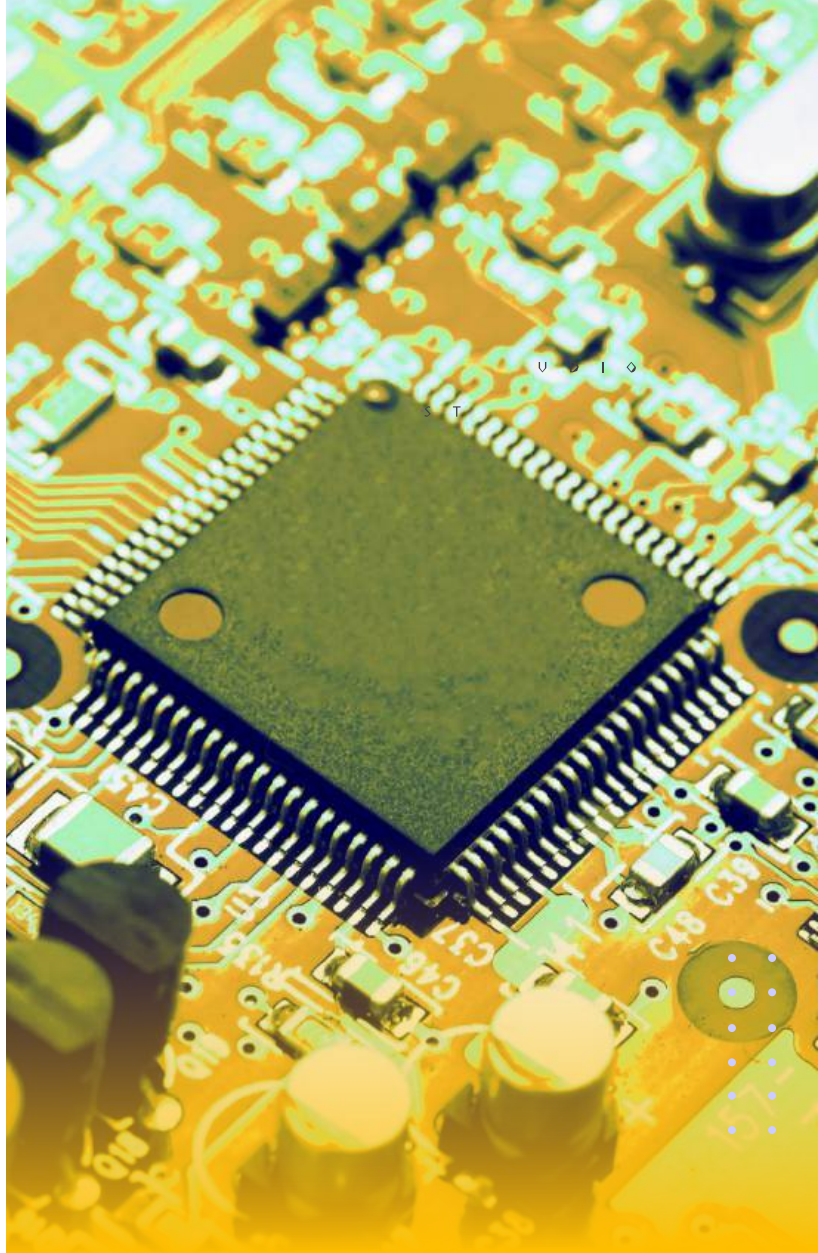
With the enablement of approximately 16 additional institutions for EDA tool support in the last quarter, the C2S Programme has now empowered a total of 316 institutions across the country—a noteworthy milestone in advancing and strengthening India' ssemiconductor design ecosystem.

ChipIN Centre successfully submitted 24 designs for tapeout to SCL for fabrication in February 2026 under MPW Shuttle–VI. These designs were developed by multiple participating institutions as part of the C2S Programme, marking a significant step forward in collaborative semiconductor design and fabrication efforts.

Cadre Design (TCAD EDA Tools) and Compcarta EDA tools were successfully onboarded and enabled for all participating institutions under the C2S Programme during the last quarter, further strengthening the design ecosystem and expanding access to advanced EDA capabilities.

During the last quarter, over 700 support tickets raised by institutions under the C2S Programme were successfully resolved, reflecting the efficiency and responsiveness of the support framework. ChipIN Support Center Web Portal (https://chipin.cdacb.in/) has been operationalized for participating institutions to leverage a structured support ticketing system, thereby streamlining the handling ofChipIN support requests.

A total of 28 online EDA tool training sessions were conducted during the last quarter for participants of the C2S Programme, significantly strengthening their technical capabilities and engagement. In addition, all recordings and documentation from EDA tool vendor interactive sessions have been disseminated to C2S institutions through the ChipIN Cloud (https://chipin-cloud.cdacb.in/),ensuring seamless access to learning resources.

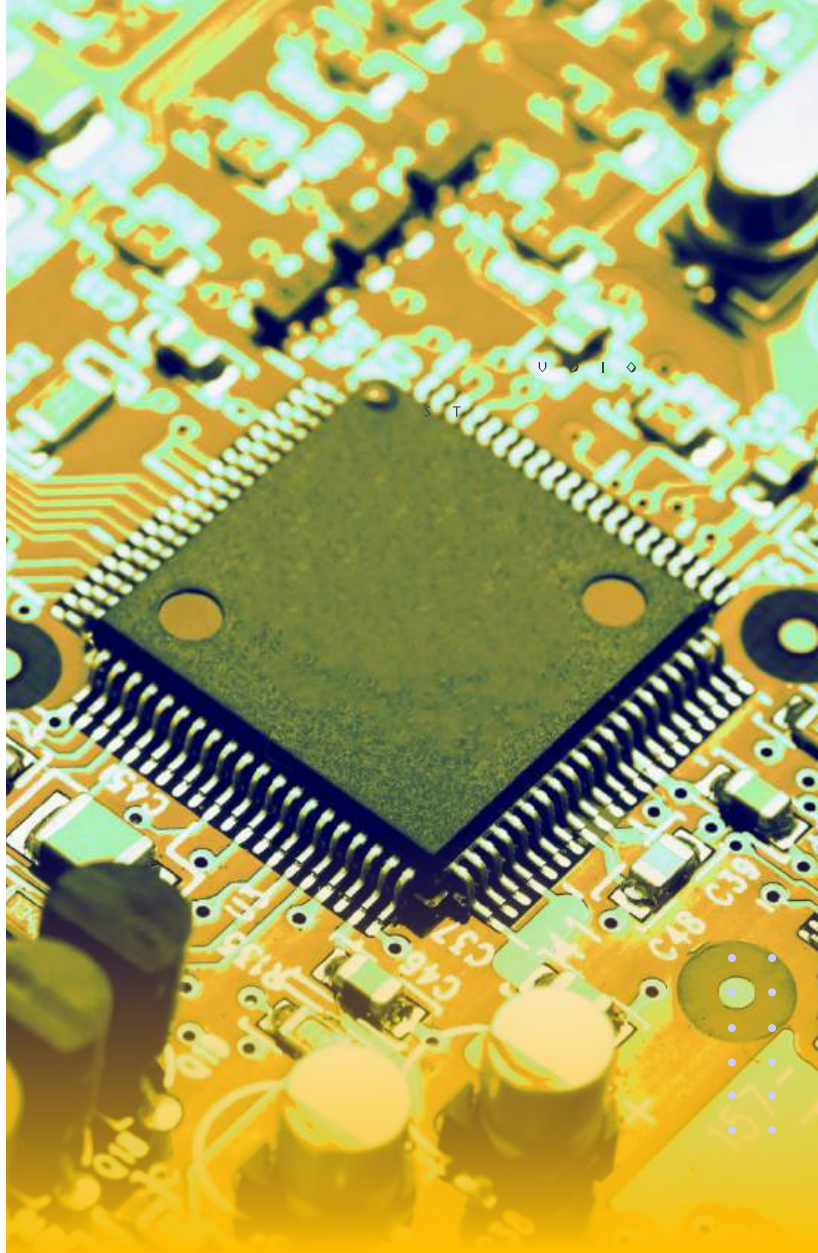


MAJOR PROJECT PERFORMANCE/ STATISTICS

CHIPIN CENTRE - C2S PROGRAMME

ChipIN team delivered a tutorial session titled “Foundry Compliance and Tapeout Readiness – A Complete Framework from Design Verification to Silicon Qualification” at the prestigious International 39th VLSI Design and 25th Embedded Systems (VLSID&ES2026) Conference, held in Pune in January 2026.

ChipIN Centre successfully organized two Instruction Enhancement Programmes (IEPs) to strengthen advanced technical competencies of participating institutions under C2S Programme. The first one was conducted by Cambridge Institute of Technology, Bangalore (23–27 February 2026) on “ASIC Design Flow using SCL 180nm Technology: A Case Study on Dual 8-Point FFT Processor with Bus Interfaces.” The second one was conducted by IISc. Bangalore (16–20 March 2026), focusing on “Edge AI,” in collaboration with IISc and Arm.



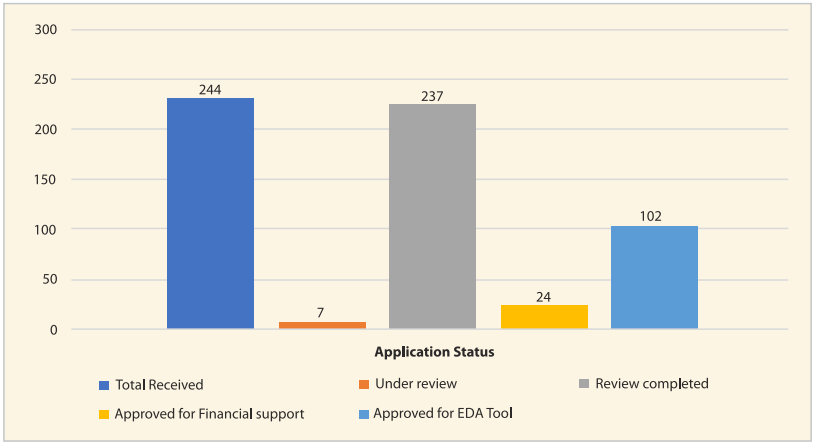
PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

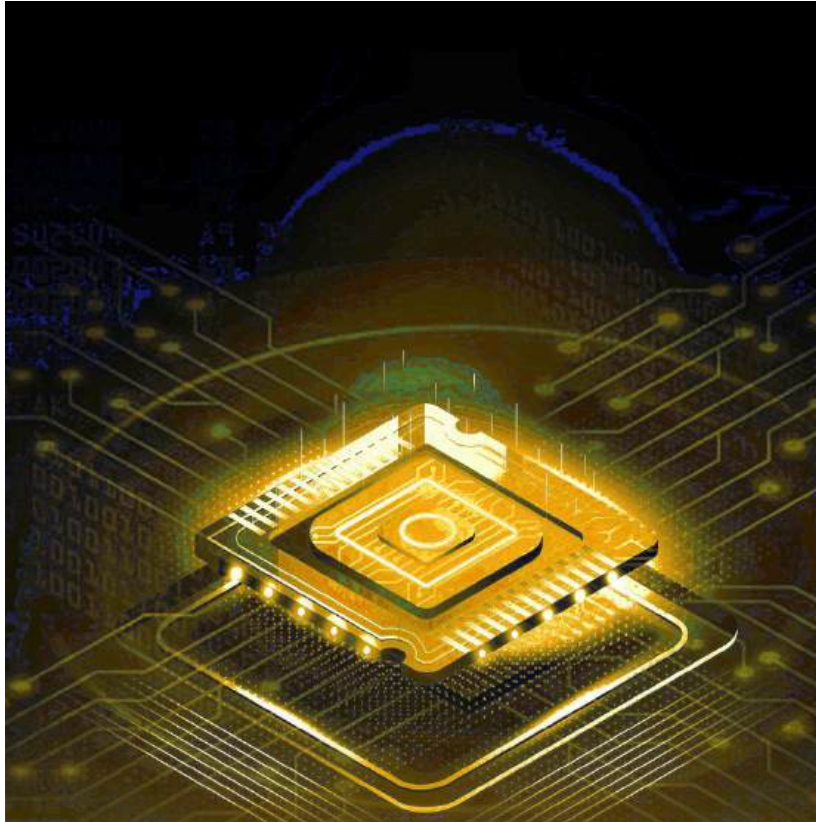
DESIGN LINKED INCENTIVE SCHEME (DLI)

The Design Linked Incentive (DLI) Scheme aims to provide financial incentives as well as design infrastructure support across various stages of development and deployment of semiconductor design for Integrated Circuits (ICs), Chipsets, System on Chips (SoCs), Systems & IP Cores and semiconductor linked design with an aim to achieving significant indigenization in semiconductor and electronic products and IPs deployed in the country, thereby facilitating import substitution and value addition in electronics sector in the next 5 years.

Design Linked Incentive (DLI) Status (as on 31.03.2026)



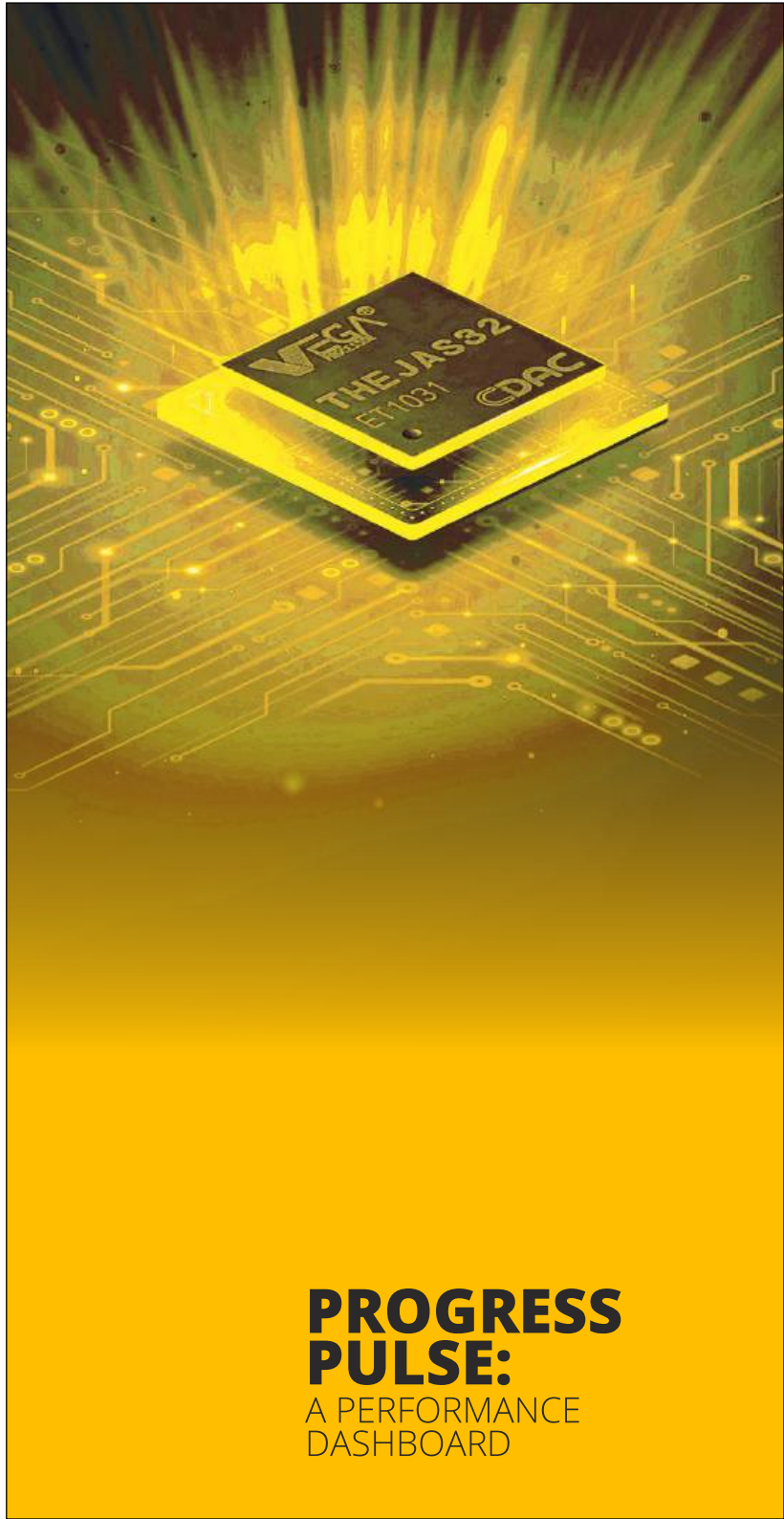
DLI Applications	Proposals	
	PDLI/DLI	DIS (EDA tool grid)
Proposals Received	115	128
Evaluation Ongoing	00	05
Proposals Approved	24	103
Proposals Rejected	91	18



MAJOR PROJECT PERFORMANCE/ STATISTICS

OUTCOMES ENVISAGED

Company Name	IPs Generated	Designs Taped Out	ASICs Fabricated	No. of Patents Filed	Manpower Generated
Netrasemi Pvt. Ltd.	20	3	3	2	56
Fermionic Design Pvt. Ltd.	12	1	1	0	24
Vervesemi Microelectronics Pvt. Ltd.	15	3	2	0	30
DV2JS Innovation LLP	0	2	0	0	19
Morphing Machines Pvt. Ltd.	0	0	0	0	9
Aheesa Digital Innovations Pvt. Ltd.	28	1	0	0	26
Calligo Technologies Pvt. Ltd.	1	1	1	5	45
Green Pmu Semi Pvt. Ltd.	17	5	0	1	40
Sensesemi Technologies Pvt. Ltd.	14	0	0	4	30
Moschip Technologies Limited	13	1	2	0	70
Wisig Networks Pvt. Ltd.	0	0	0	0	23
Mindgrove Technologies Pvt. Ltd.	39	0	0	0	35
Incore Semiconductors Pvt. Ltd.	10	2	0	0	22
Bigendian Semiconductors Pvt. Ltd.	1	1	0	0	38
Mbit Wireless Pvt. Ltd.	4	0	0	0	80
Sophrosyne Technologies Pvt. Ltd.	0	0	0	0	16
C2i Semiconductors Pvt. Ltd.	21	0	0	0	30
Mmrfic Technology Pvt. Ltd.	0	0	0	0	3
Multi Nano Sense Technologies Pvt. Ltd.	0	0	0	0	8
Aagyavision Pvt. Ltd.	0	0	0	3	5
Netrasemi Pvt. Ltd. (II)	3	1	0	0	55
Incise Infotech Limited	4	1	0	0	15
TOTAL	202	22	9	15	679



PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

MOBILE SEVA (MOBILE SERVICE DELIVERY GATEWAY)/ MOBILE SEVA APPSTORE

Mobile Seva platform is an innovative initiative aimed at mainstreaming mobile governance in the country. It provides an integrated whole-of-government platform for all Government departments and agencies in the country for delivery of public services to citizens and businesses over mobile devices using SMS, IVRS, CBS, LBS, apps. It is a centrally hosted cloud-based mobile enablement platform, which allows the departments to expeditiously start offering their services through mobile devices anywhere in India, without having to invest heavily in creating their separate mobile platforms. Over 5,024 accounts of government departments and agencies with over 7,407 cr+ transactions are integrated with Mobile Seva platform.

Mobile Seva Platform		
	April 2012 to March 2026	January 2026-March 2026
Accounts of Dept/Agencies integrated	5,024	65
No of Push SMS Transaction	7,407 Cr	264 Cr

मोबाइल
Mobile Seva

MAJOR PROJECT PERFORMANCE/ STATISTICS

E-HASTAKSHAR / E-SIGN

Under a key initiative of the Government of India's Digital India Programme, C-DAC has introduced e-Hastakshar, an eSign service that enables citizens to digitally sign documents online in real time, providing a legally valid and convenient alternative to physical signatures. Over the past year, C-DAC has integrated this service with various departments, ministries, and agencies at the Central and State Government levels, as well as Union Territories, thereby facilitating its widespread institutional adoption.

C-DAC utilizes the services of the Unique Identification Authority of India (UIDAI) for online authentication and Aadhaar-based eKYC. The e-Hastakshar service supports multiple online Aadhaar authentication modes, including One-Time Password (OTP), Time-based OTP (TOTP), Fingerprint, Iris, and Face authentication (for mobile applications only), for effectively leveraging UIDAI's eKYC services.

As of March 2026, C-DAC has issued over 39.35 crore e-Signs, and more than 340 government agencies are utilizing the eSign service at the production level. Recently, the eSign service has been integrated Inspector General of Registration Odisha, Directorate of Industries Enterprise Promotion UP, Department of Registration J&K, Department of Good Governance & Information Technology Punjab and Directorate Urban Administration and Development Department, MP. In addition, key agencies such as the Election Commission of India, Centre for e-Governance, Karnataka, Keral State IT Mission, Gujarat Informatics Limited, the Madhya Pradesh Agency for Promotion of Information Technology, and the National Informatics Centre are presently leveraging the eSign service at the production level.

eSigns offered by C-DAC	
July 2016 to March 2026	January – March 2026
39.35 Crs	4.78 Crore

PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

ESANJEEVANI

eSanjeevani, the flagship telemedicine platform of the Ministry of Health & Family Welfare, Government of India, is the world's largest telemedicine initiative in primary health care. By harnessing digital technology, it has revolutionized healthcare delivery, enabling seamless access to quality medical consultations for underserved populations, especially in rural and remote areas.

As of now, eSanjeevani connects over 138,671 spokes to more than 18,620 hubs, with additional extensions to over 265 correctional facilities. It is supported by over 2.30 lakh doctors, specialists, and healthcare professionals across all States and Union Territories. Till March 2026, eSanjeevani has facilitated over 46.05 crore consultations—completely free of cost—bridging critical healthcare gaps for rural communities, women, senior citizens, and marginalized groups. Notably, more than 57% of consultations are availed by women and 14% by senior citizens, with services available in 13 Indian languages, including English. Delivering an average of 4 lakh consultations daily, peaking at 6.3 lakh, and with a capacity of up to 10 lakh per day, eSanjeevani exemplifies scalability and innovation. It strengthens primary care, reduces hospital congestion, institutionalizes digital health records, and ensures continuity of care.

Continuing its evolution, eSanjeevani has recently introduced a series of strategic enhancements that reinforce its future readiness. A real-time governance dashboard with over 50 key performance indicators (KPIs) provides policymakers with clear, actionable insights to support performance monitoring, transparency, and data-driven decision-making. Aligned with the Ayushman Bharat Digital Mission (ABDM), the platform is progressively integrating national standards to enable secure and interoperable digital health services. eSanjeevani serves as a core pillar of India's Digital Public Infrastructure (DPI) ecosystem, enabling scalable, standards-based, and trusted digital health services nationwide.

MAJOR PROJECT PERFORMANCE/ STATISTICS

ESANJEEVANI

By making healthcare accessible, affordable, and equitable, eSanjeevani is not only transforming India's health system but also setting a global benchmark in telemedicine—a true testament to the power of digital health in shaping the future of healthcare.

eSanjeevani Usage Report				
	Nov 2019 to Mar 2026		Jan 2026 – Mar 2026	
	Total Tele-Consultations	Registered Doctors	Total Tele-Consultations	Registered Doctors
eSanjeevaniAB-AAM	44,74,92,814	61,332	2,08,47,545	2,602
eSanjeevaniOPD	1,30,70,002	13,654	1,45,312	420
eSanjeevani (Total)	**46,05,62,816**	**74,986**	**2,09,92,857**	**3,022**

MAJOR PROJECT PERFORMANCE/ STATISTICS

E-SUSHRUT – HOSPITAL MANAGEMENT INFORMATION SYSTEM

C-DAC's "e-Sushrut", a Hospital Management Information System (HMIS) is a major step towards adapting technology to improve healthcare. Its main objective is to provide healthcare services to the masses by leveraging computing power at low cost. The beneficiary hospital shall use the Hospital Management Information System (HMIS) as a service and shall not undergo the challenges posed by technology, administration and implementation in computerization. e-Sushrut, Hospital Management Information System (HMIS) was initiated as a solution for digitization of clinical and back-office workflows in a hospital or medical facility. e-Sushrut incorporates an integrated computerized clinical information system for improved hospital administration and patient healthcare. It provides an accurate, electronically stored medical record of the patient.

In its present incarnation as e-Sushrut G6i, it supports diverse workflows with the broad objective of enabling standardized and efficient healthcare service delivery at all levels (Medical College Hospitals, DHs, CHC, and PHCs).

With the launch of Ayushman Bharat Digital Mission – ABDM, e-Sushrut is one of the first application compliant to ABDM Building Blocks and has achieved all three milestones. ABDM not only enables e-Sushrut to exchange the Electronic Medical Records among hospitals but also create the repository of clinical data. A data warehouse of such records enables opportunity to analyse and interpret the data, enabling the predictive analysis in the health domain, assisted by artificial intelligence and machine learning components.

MAJOR PROJECT PERFORMANCE/ STATISTICS

E-SUSHRUT – HOSPITAL MANAGEMENT INFORMATION SYSTEM

Type	Project Name	No. of Patient Visited		Total Visits	No. of Facilities		Total Facility
		Till Dec 2025	Jan26-Mar26		Till Dec 2025	Jan26-Mar26 New Added	
Super Speciality	e-Sushrut for AIIMS	4,39,02,083	33,43,277	4,72,45,360	17	0	17
Super Speciality	IGIMS Patna	22,74,405	2,87,275	25,61,680	1		1
Super Speciality	GIMS	10,72,872	95,635	11,68,507	1		1
Super Speciality	PGIMER	3,42,01,920		3,42,01,920	1		1
Satellite Center	PGIMER Sangrur	0	29,699	29,699	1		1
Super Speciality	NIMS HMIS Hyderabad	52,73,614	2,45,753	55,19,367	1	0	1
State-wide	HMIS-NHM UP	3,72,62,925	50,15,637	4,22,78,562	468		468
State-wide	HMIS-DGME UP	2,37,98,778	25,48,409	2,63,47,187	22		22
State-wide	Punjab	11,63,28,437	88,06,479	12,51,34,916	3978	112	4090
State-wide	Telangana	4,47,63,370	42,14,850	4,89,78,220	94	0	94
State-wide	Odisha	7,74,73,130	66,99,987	8,41,73,117	2443	0	2443
State-wide	HMIS Maharashtra	3,53,73,411	62,06,262	4,15,79,673	2674	0	2674

PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

E-SUSHRUT – HOSPITAL MANAGEMENT INFORMATION SYSTEM

State-wide	HMIS HP	80,72,154	15,49,269	96,21,423	53	0	53
State-wide	HMIS TN	1,45,62,288	1,23,25,291	2,68,87,579	832	850	1682
State-wide	Goa State	39,71,257	5,11,231	44,82,488	46	0	46
State-wide	Arunanchal Pradesh	23,68,767	1,66,334	25,35,101	280	0	280
State-wide	Jharkhand	3,34,271	9,52,786	12,87,057	26	199	225
State-wide	Sikkim	14,34,118	2,01,857	16,35,975	32	0	32
PSU	e-Sushrut PAN Railways HMIS	6,08,89,390	50,57,354	6,59,46,744	709		709
PSU	SAIL BSL e-Sushrut HMIS	2,11,283	1,45,299	3,56,582	13		13
PSU	SAIL RSP e-Sushrut HMIS	7,30,122	1,16,312	8,46,434	6		6
PSU	SAIL BGH e-Sushrut HMIS	14,68,561	1,33,102	16,01,663	12		12
PSU	NHPC	3,39,122	23,543	3,62,665	33	0	33
PSU	CGHS's	1,13,38,390	47,40,777	1,60,79,167	1,028	1	1,029
	Total	**52,74,44,668**	**6,34,16,418**	**59,08,61,086**	**12,771**	**1,162**	**13,933**

MAJOR PROJECT PERFORMANCE/ STATISTICS

E-RAKTKOSH – CENTRALIZED BLOOD BANK MANAGEMENT SYSTEM

e-RaktKosh is a comprehensive IT solution to connect, digitize and streamline the workflow of blood banks. It has on-boarded more than 4200 blood banks on its platform. e-RaktKosh Portal is also extensively used by the citizens for requirements related to blood, blood banks' location identification, blood stock Enquiry, maintenance of donation repository etc. eRaktKosh is integrated with various state-wide blood bank solutions & has become a single data repository for management of data regarding blood availability, blood-related products, blood donation camps, donor repository etc.

e-RaktKosh		
Description	Year 2017 to Dec 2025	Jan 2026 to Mar 2026
Total Blood Centres Registered	4,525	31
Total Govt Blood Centres Registered	1,292	0
No of Active Blood Centres	3,660	3,660
No of Blood Donation Camps	2,52,496	22,311
No of Donor Registered	1,14,15,005	7,27,207

PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

NHSRC PROJECT – QUALITY CERTIFICATION SYSTEM FOR PUBLIC HEALTH FACILITIES

NHSRC Project is a flagship initiative undertaken by CDAC Noida in collaboration with the National Health Systems Resource Centre (NHSRC) to design and implement a comprehensive digital platform for Quality Certification of public health facilities across India.

This system enables the end-to-end management of the certification lifecycle, including:

- Application submission
- Assessment workflows
- Document verification
- Automated scoring
- Result declaration

It provides a centralized, role-based platform that brings together key stakeholders such as hospitals, assessors, quality officers, and administrative authorities, ensuring seamless coordination and transparency.

The platform supports multiple types of certifications, including:

- National Certification (NQAS)
- State-level Certification
- Internal Assessments
- Surveillance and Re-Certification Processes

By digitizing these critical processes, the NHSRC Quality Certification System enhances operational efficiency, promotes standardization, ensures data integrity, and facilitates real-time monitoring and data-driven decision-making across India's public healthcare landscape. Since being LIVE in July 2023, the following is the National Level Certification Status.

MAJOR PROJECT PERFORMANCE/ STATISTICS

NHSRC PROJECT – QUALITY CERTIFICATION SYSTEM FOR PUBLIC HEALTH FACILITIES

July, 2023 to March, 2026	States On-Boarded	User Registration	External Assessors On-Boarded	NHSRC Consultant	Facilities	State Users
	36	85,631	2407	75	81,999	1150
Jan, 2026 to Mar, 2026	36	4,704	96	1	4,596	11

Total Applications Count July,2023 to March,2026 – 48,685			Jan, 2026 to Mar, 2026 - 5160
Facility Typewise Statistics	District Hospital (DH)	706	59
	Sub-District Hospital (SDH)	482	41
	Community Health Center (CHC)	1,045	69
	Primary Health Center (PHC)	5,225	375
	Urban Primary Health Center (UPHC)	1,765	100
	Health & Wellness Center (HWC)	39,242	4,425
	Medical College Hospital (MCH)	89	11
	Urban Ayushman Arogya Mandir (UAAM)	131	80
Certification Type–wise Statistics	NQAS	28,130	202
	LaQshya	492	2
	MusQan	134	3
	Result Declared– 28,463		**203**

PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

IPDMS 2.0, INTEGRATED PHARMACEUTICAL DATABASE MANAGEMENT SYSTEM 2.0

The Integrated Pharmaceutical Database Management System (IPDMS) 2.0 is a responsive, web-based application developed for the National Pharmaceutical Pricing Authority (NPPA). It streamlines and integrates the core functional processes necessary for monitoring and regulating the prices of drugs and medical devices.

Established on 29th August 1997 by a Government of India Resolution, the NPPA functions as an attached office under the Department of Pharmaceuticals (DoP), Ministry of Chemicals and Fertilizers. It is entrusted with the independent mandate of regulating drug pricing—including medical devices—to ensure their availability at affordable rates. IPDMS 2.0, together with the Pharma Sahi Daam 2.0 mobile application (available on both Android and iOS platforms), provides users with real-time access to the prices of Scheduled and Non-Scheduled medicines at the point of purchase. Additionally, the Pharma Jan Samadhan platform offers a user-friendly interface for lodging and tracking four categories of complaints: overcharging, sale without prior approval, shortage or unavailability of medicines, and refusal to sell drugs. This complaint redressal mechanism is seamlessly integrated into both the Pharma Sahi Daam mobile app and the IPDMS 2.0 web portal.

IPDMS 2.0 and Pharma Sahi Daam 2.0 were officially launched by the Hon'ble Union Health Minister, Shri Mansukh Mandaviya, during the NPPA's silver jubilee foundation day celebration.

MAJOR PROJECT PERFORMANCE/ STATISTICS

IPDMS 2.0, INTEGRATED PHARMACEUTICAL DATABASE MANAGEMENT SYSTEM 2.0

Activities done by Pharma/Medical Devices Companies & NPPA	till 31st Mar 26	Jan 2026 - Mar 2026
Total Companies (Drugs & Medical Devices) Registered in the IPDMS 2.0	2,795 (1663- Drugs, 1,132 - Medical Devices)	155 (49 - Drugs, 106 - Medical Devices)
Number of Manufacturing Unit verified by the companies	10,059	308
Number of Drugs verified by companies	50,116	2,716
Medical Devices Plant Registered	1,569	320
Medical Devices Registered	2,21,582	58,327
Quarterly Stock Collection	31,275	5,742
State Pricing Monitoring Resource Unit (PMRU) registered.	33	1
Form-I (Application for Price Fixation) Submitted	1,177	125
Form-II (Submission of Revised Prices) Submitted	24,844	371
Form-III (Quarterly Return) Submitted	93,905	8,993
Form-IV (Discontinuation of Production) Submitted	167	7
Form-V (Price List) Submitted	1,55,255	9,210
Form – VI (Medical Devices) Submitted	1,86,789	37,577
Complaints Registered through Web and Mobile Apps	8,349	514
Legal Cases Registered for Overcharging	887	44

The calculation of ceiling and retail prices of drugs, along with the associated overcharging workflows, has been automated and integrated into the IPDMS 2.0 application. These workflows are linked with 32 State Price Monitoring and Resource Units (PMRUs). Individuals can verify ceiling prices and register overcharging complaints directly through the mobile applications.

MAJOR PROJECT PERFORMANCE/ STATISTICS

E-STUDENT LIFE CYCLE MANAGEMENT SYSTEM (E-SLCMS)

e-SLCMS is a cutting-edge web application designed to manage the entire journey of a student within a health education institute. It covers every phase, from admissions to alumni engagement, offering a centralized platform to integrate isolated departmental functions.

By uniting departments that often function independently, the system fosters better coordination and communication across the institution. This integration not only boosts operational efficiency but also reduces administrative complexities, thereby enriching the overall student experience in medical schools.

In addition, the system comes with a mobile app that offers even more benefits. It enhances the student learning experience by simplifying access to essential information and services, encouraging collaboration, and supporting students throughout their academic journey. This streamlined approach helps improve student engagement and success.

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CDAC
SLCMS

PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

E-STUDENT LIFE CYCLE MANAGEMENT SYSTEM (E-SLCMS)

Institute/Activity	College Configuration	Course Registered	Specialization	Students Registered	No of Students in Hostels	Timetable Created	Digital Notice Board
All India Institute of Medical Sciences (AIIMS), Bhubaneshwar	2	4	17	505	162	7	1
Ispat General Hospital, Steel Authority of India Limited (SAIL) Rourkela, Odisha	2	4	17	349	60	15	8
Mahatma Gandhi Institute of Medical Sciences (MGIMS), Wardha, Maharashtra	3	6	25	4,931	188	15	22
Directorate of Medical Education & Research (DMER), Maharashtra	65	20	78	2,857	3,167	35	20

सी डैक
CDAC
SLCMS

PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

CYBER SHAKTI

C-DAC Noida is currently executing the project "Cyber Shakti: Empowering Women Govt. Officials in Cyber Security" sponsored by Ministry of Electronics and Information Technology (MeitY), Govt of India. The project aims to sensitize 1000 women. Officials in the field of Cyber Security aim to bring more women into this field to bridge the gender and skill gap. The objective of the project is to equip women Govt officials with the necessary skills, so that they can not only protect themselves in the cyber world, but also participate in the security of their respective organizations.

Project Activity	No of women participants
Half-Day workshops	477
Beginner Level Online Training Programmes	558
Advanced Level Residential Programme	134

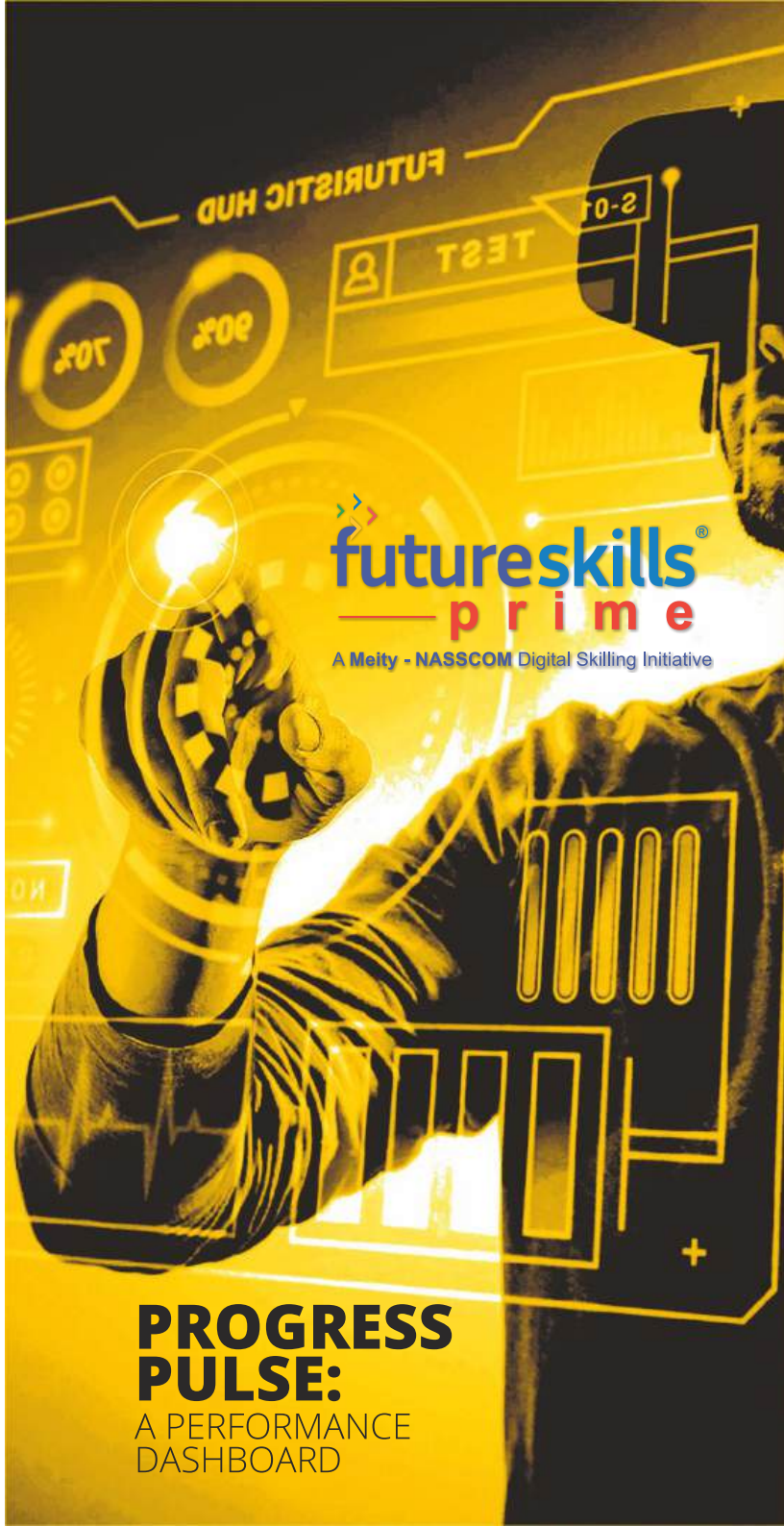
MAJOR PROJECT PERFORMANCE/ STATISTICS

FUTURESKILLS PRIME (PROGRAMME FOR RE-SKILLING/UP-SKILLING OF IT MANPOWER FOR EMPLOYABILITY)

The Ministry of Electronics and Information Technology (MeitY) in association with NASSCOM has launched the FutureSkills PRIME (FSP) program, a pivotal initiative aimed at enhancing skills and knowledge in emerging technologies viz, Additive Manufacturing/3D Printing, Artificial Intelligence, Augmented/Virtual Reality, Big Data Analytics, Blockchain, Cloud Computing, Cyber Security, Internet of Things, Robotic Process Automation, Social & Mobile etc. The detail of the program is available in the https://futureskillsprime.in/ portal.

The FSP program provides reskilling/upskilling and experiential learning in disruptive technologies, through strategic partnerships with C-DAC/NIELIT Centers, Industries, Academia, Professional Bodies etc. FutureSkills PRIME activities involve Training Program in Emerging Technologies for Students & professionals, industry relevant Courses, to address the skill gap in niche technology areas. As part of phase 2, FSP aims to train around 10 Lakh Beneficiaries including career aspirants, employment seekers, non-IT employees in cross-pollinated digital roles, PSE employers, and IT employees across IT and non-IT sectors over the period of 3 Years through variety of Courses including (a) Bootcamp Courses (BCMP), (b) Government Officer Training- Basic (GOT-B), and (c) Government Officer Training – Advanced (GOT-A), (d) Deep Skilling, (e) Foundational (f) Experiential Learning.

As part of 1st Year of Phase 2 of FSP, overall, 58,477 Beneficiaries were from Bootcamp and GOT Programs conducted by C-DAC/NIELIT Ecosystem. Further, a total of 57 courses were developed under all technologies for Bootcamp, GOT-Basic and GOT-Advanced.



MAJOR PROJECT PERFORMANCE/ STATISTICS

FUTURESKILLS PRIME (PROGRAMME FOR RE-SKILLING/UP-SKILLING OF IT MANPOWER FOR EMPLOYABILITY)

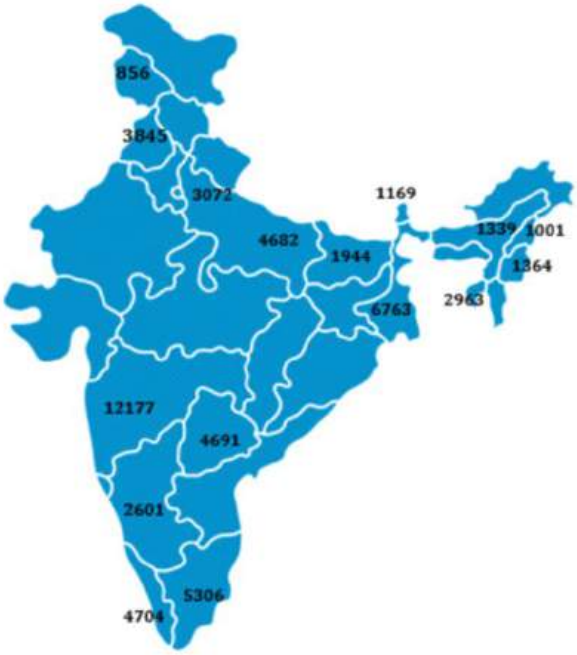
Major Highlights (4th Quarter of 2025-26: Jan 2026 – Mar 2026)

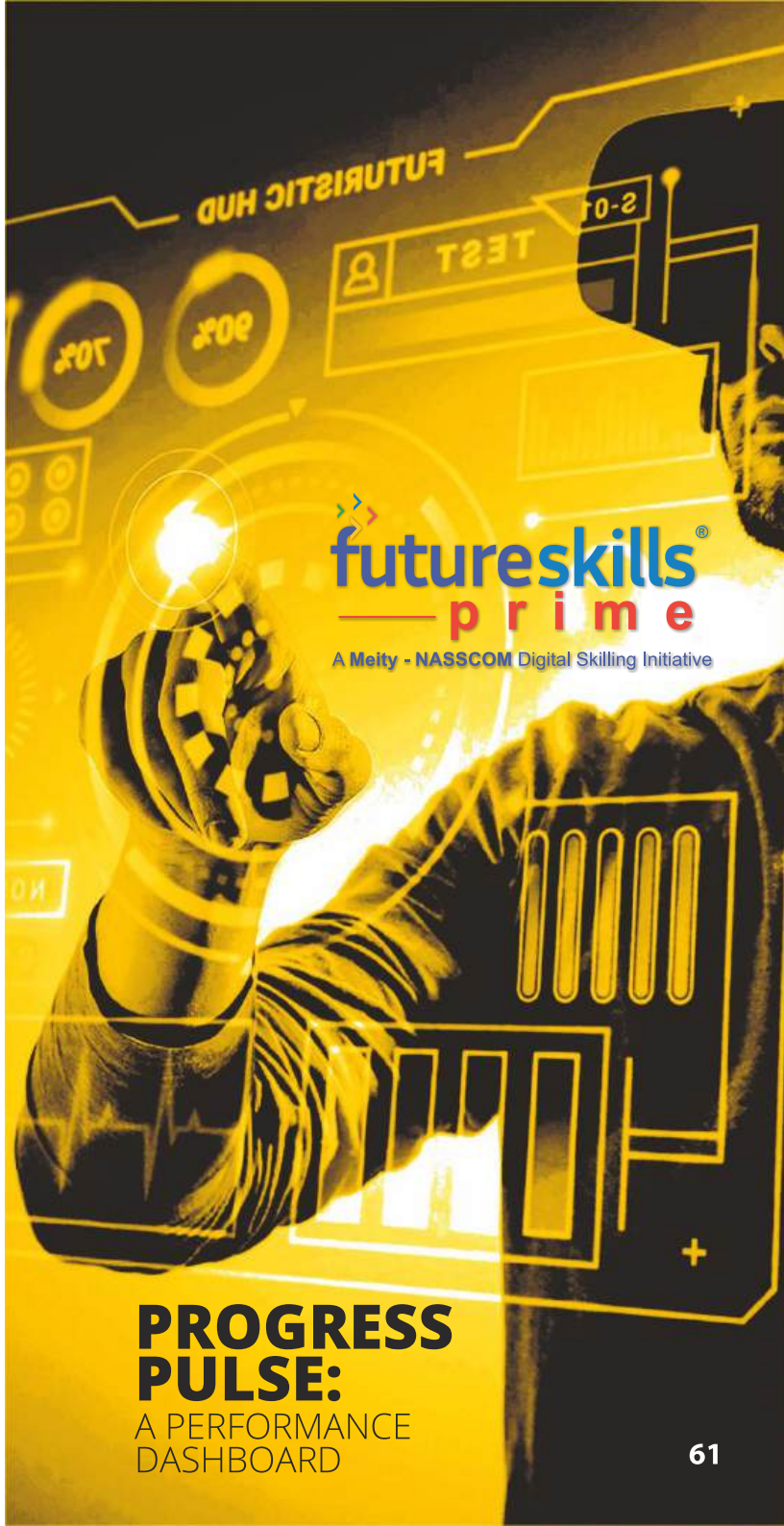
Category/ Activity	Agency	1st April 2024- 31st December 2025	1st January 2026- 31st March 2026	Total Achievement
Government Training – Advanced	C-DAC/ NIELIT	6,822	3,096	9,918
Government Training - Basic		7,173	2,486	9,659
Bootcamp		33,570	5,330	38,900
TOTAL LEARNERS		**47,565**	**10,912**	**58,477**

- Over 63 webinars have been conducted, 82+ PSUs have undergone skilling, and 75+ universities have been engaged till date.

State-Wise Learner's Engagement

Name of State	*No of Learner's certified under FSP*
Maharashtra	12,177
West Bengal	6,763
Telangana	4,691
Punjab	3,845
Uttar Pradesh	4,682
Tamil Nadu	5,306
Delhi	3,072
Tripura	2,963
Kerala	4,704
Karnataka	2,601
Bihar	1,944
Manipur	1,364
Sikkim	1,169
Nagaland	1,001
Jammu & Kashmir	856
Assam	1,339





MAJOR PROJECT PERFORMANCE/ STATISTICS

SWAYAAN: CAPACITY BUILDING FOR HUMAN RESOURCE DEVELOPMENT IN UNMANNED AIRCRAFT SYSTEM

'SwaYaan – Capacity Building for Human Resource Development in Unmanned Aircraft Systems (UAS)/Drone & Related Technology,' is jointly led by C-DAC Hyderabad and IIITDM Kurnool as the Programme Management Unit (PMU). Its mission is to foster the development of a comprehensive UAS/Drone ecosystem across the country. The initiative follows a hub-and-spoke model, involving 30 institutions including IISc, IITs, IIITs, NITs, IIITDM, C-DAC & NIELIT centers and Industry Stakeholders namely SSCs, FICCI, DFI etc.

The project aims to train over 42,000+ candidates within five years through a diverse range of formal, non-formal programs and research initiatives in 5 Work Themes namely (a) Drone Electronics, (b) GNC Algorithm & Simulations, (c) Aeromechanics, (d) Drone Applications, (e) Allied UAS Technologies. These include MTech program in UAS/Drones, Minor degrees/Retrofitting courses, 6 months certificate program, Skilling courses, Innovation Challenges, Bootcamps, Proof-of-concept projects, National workshops, Faculty development programs, international conferences, Open online courses, and Intellectual property creation (papers and patents).

To date, 1068 activities have been conducted nationwide, encompassing academic, research & innovation, skilling & training, and other knowledge-sharing initiatives. These efforts have benefited 35,526 participants, accelerating India's progress toward becoming a global drone hub by 2030

MAJOR PROJECT PERFORMANCE/ STATISTICS

SWAYAAN: CAPACITY BUILDING FOR HUMAN RESOURCE DEVELOPMENT IN UNMANNED AIRCRAFT SYSTEM

2026 First Quarter (January 2026 – March 2026) Progress

Program Name	Activity: 2022-2026			Participants: 2022-2026		
	January 2022 - December 2025	January 2026 - March 2026	Total	January 2022 - December 2025	January 2026 - March 2026	Total
FDP	26	2	28	690	64	754
Workshop	11	2	13	820	152	972
Bootcamp	569	72	641	22,862	3,012	25,874
PG-Diploma	9	0	9	115	0	115
POC	120	38	158	674	271	945
Skilling Courses	8	0	8	240	0	240
National Competition	0	1	1	0	3,448	3,448
M-Tech	3	0	3	39	0	39
Minor Degree	4	0	4	150	0	150
Retrofitting Electives	71	0	71	2,278	0	2,278
IPR-Paper	108	10	118	397	37	434
IPR-Patent	9	2	11	44	18	62
Open Online Course	2	0	2	0	0	0
International Conference	1	0	1	215	0	215
Total	**941**	**127**	**1,068**	**28,524**	**7,002**	**35,526**

PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

SWAYAAN: CAPACITY BUILDING FOR HUMAN RESOURCE DEVELOPMENT IN UNMANNED AIRCRAFT SYSTEM

Major Highlights

- In the first quarter of 2026, SwaYaan conducted over 125 activities across 14 programme categories, benefiting more than 7,000 individuals and reaching a cumulative total of over 35,500 beneficiaries to date.
- Over 32,000 beneficiaries have been trained under the SwaYaan project through over 900 capacity-building initiatives aimed at strengthening India's drone ecosystem. These efforts have been highlighted across various platforms, including government publications (PIB Delhi), industry magazines (Electronics For You), investment and policy portals (IBEF – India Brand Equity Foundation), and media outlets such as News On AIR and Newsage, etc.

Research & Innovation

- The National Innovation Challenge for Drone Application & Research (NIDAR), conducted by the Drone Federation of India (DFI) at Gautam Buddha University, Noida, Uttar Pradesh, from 10th to 16th January 2026, witnessed participation from 3,448 individuals, with 351 teams competing nationwide.
- A total of 38 new Proof-of-Concept (PoC) proposals have been approved and are currently under development, involving over 270 participants.
- Research deliverables include 10 IPR paper publications involving over 37 researchers and 2 IPR patents with 18 applicants registered.

Academic Activities

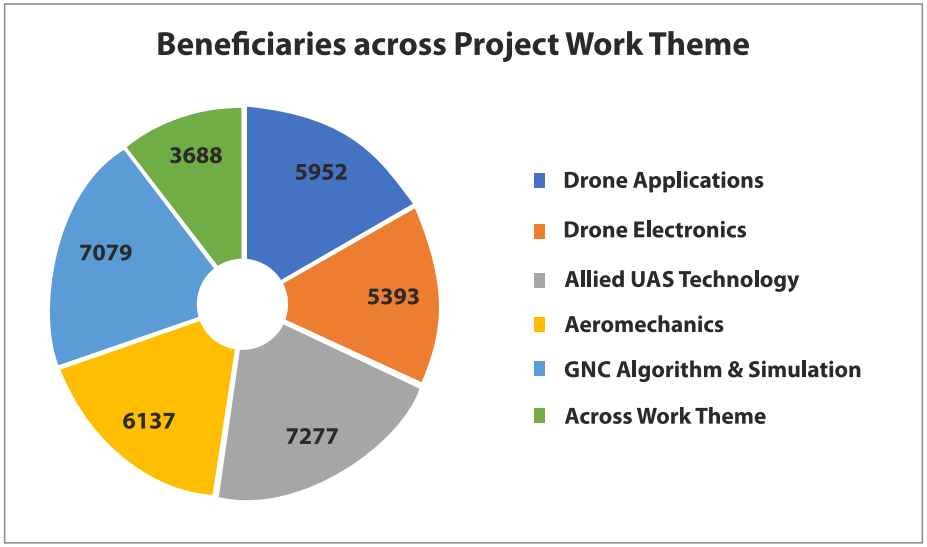
- Two Open Online Courses were launched by IIT Kanpur and IISc Bangalore. The course "Drone Systems and Control" recorded 8,403 enrolments, with 1,625 learners registering for the examination, while "Aeromechanics of Unmanned Aerial Vehicles" recorded 3,539 enrolments, with 921 learners registering for the examination.
- Two Faculty Development Programmes (FDPs) were conducted by IIT Madras and IIIT Hyderabad, with participation from over 60 faculty members and researchers.
- Two national workshops/seminars were conducted by IIIT Hyderabad and IIT Kanpur, with participation exceeding 150 individuals.

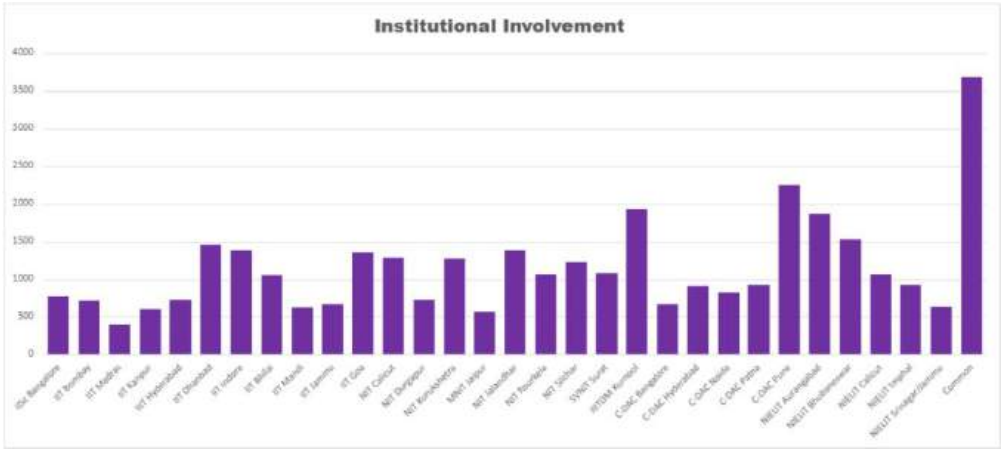
Training & Skilling

- A total of 72 bootcamps on Drone/UAS technologies were conducted across 30 cities, with participation from over 3,000 students.
- Three new job-role-based skilling courses- 'Drone-Based Telecom Operations', 'Radio Frequency Engineer – Drone-Based Surveys', and 'Telecom Infrastructure Inspection Engineer (Drone-Based)'- as developed by the Telecom Sector Skill Council (TSSC), have been approved.

MAJOR PROJECT PERFORMANCE/ STATISTICS

SWAYAAN: CAPACITY BUILDING FOR HUMAN RESOURCE DEVELOPMENT IN UNMANNED AIRCRAFT SYSTEM





PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

INFORMATION SECURITY EDUCATION AND AWARENESS (ISEA) PROJECT PHASE –III

MeitY in implementing the Information Security Education and Awareness (ISEA) Project Phase-III, approved in October 2023 towards development of human resources for safe, trusted and secure cyber space. The project is aimed to generate around 2.75 lakh human resources in the area of Information Security comprising of 45,000 skilled & certified Cyber Security Professionals (including CISOs, Deputy CISOs, Associate team of CISOs/Aspirants) and training of 2.3 lakh students (UG/PG level), research scholars, faculty, etc. in various formal/non-formal courses in academic and innovation activities. In addition, more than 12 crore beneficiaries are envisaged to be covered under Mass Awareness component through various activities in direct/indirect mode. The project is implemented by 50 premier institutions comprising select IITs, NITs, IIITs, C-DAC & NIELIT Centres and Technical Universities across the country.

So far, 30,221 candidates have been trained/under-going training in various formal/non-formal programs, short-term course, innovation and other activities in Information Security. Under the awareness component, 6,368 awareness workshops on Information Security have been organized for school & colleges students, teachers, faculty, Government personnel, general users, women, etc. covering 10.41 lakh participants and 7,424 school teachers, faculty, police officers & volunteers have been trained as master trainers. Around 15 crores estimated beneficiaries have been covered through indirect mode.

MAJOR PROJECT PERFORMANCE/ STATISTICS

INFORMATION SECURITY EDUCATION AND AWARENESS (ISEA) PROJECT PHASE –III

Key Highlights of 4th Quarter (Jan-Mar 2026)

1. 5th ISEA-ISAP International Conference on Privacy and Security (ISEA-ISAP) 2026 was organised by IIT Madras from 16th -18th January 2026 under the aegis of ISEA Project. The Conference was attended by around 350 delegates from academia, industry and government.

2. Cyber Hygiene MUN 2026 finale was held on 9th February 2026 at New Delhi. 13 finalists from 7 States participated in the finale along with their teachers/mentors.

3. Safer Internet Day was observed on 10th February 2026 under the theme 'Smart Tech, Safe Choices – Exploring the Safe and Responsible use of AI across the country. A nationwide awareness campaign was organized by MeitY under its ISEA initiative, in collaboration with NIC, C-DAC, NIELIT, MyGov, NeGD, NIXI, various institutions under ISEA. As part of this extensive campaign 2,859 workshops were conducted across 36 States/UTs, covering 634 districts and engaging over 3.73 lakh people. An online awareness workshop, titled 'Staying Safe Online in the Age of AI', was also organized for the officials of MeitY and other government ministries, departments, and organizations on that day, engaging 2,350 participants in discussions on digital safety.

4. ISEA's Magazine, Infosec Depot 2026 was launched by the Secretary, MeitY on 17.03.2026 as a part of C-DAC's Foundation Day Celebrations.

5. Academic & Innovation Activities: Around 18 Faculty Development Programmes (FDPs), 8 Short Term Courses (STCs), 20 bootcamps, 6 National Workshops, 2 Expert Lectures, 9 Hackathons were organized by various institutions under ISEA Project covering approx. 3,000 participants.

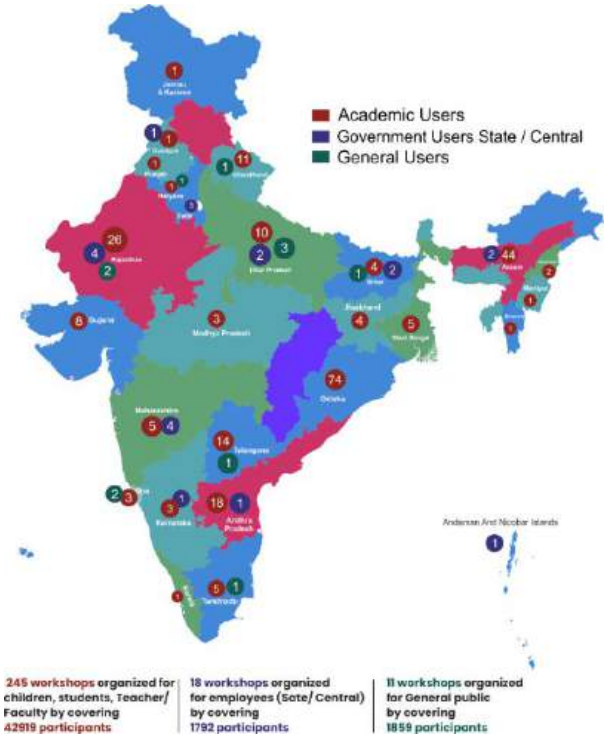
MAJOR PROJECT PERFORMANCE/ STATISTICS

INFORMATION SECURITY EDUCATION AND AWARENESS (ISEA) PROJECT PHASE –III

Mass Awareness

The Cyber Aware Digital Naagrik programme, an integral part of the ISEA initiative, aims to cultivate a cybersecurity-conscious citizenry. By delivering targeted awareness campaigns, user engagement activities, and role-specific training programmes to diverse demographics, including students, women, and government employees, the programme seeks to enhance cybersecurity literacy and awareness. Furthermore, the programme provides a foundation for individuals interested in pursuing professional development and career opportunities in the cybersecurity domain. As part of our mass awareness activities, 3805 Awareness workshops / Training were organized by covering 4,58,057 participants from January to March 2026 and details are as follows:

- 2581 Cyber Awareness workshops to students, teachers and faculty organized by covering 3,80,010 participants.
- 575 Cyber Awareness workshops organized to employees by covering 61,235 participants.
- 649 Cyber Awareness workshops organized to general public by covering 16,812 participants.



PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

WORK BASED LEARNING PROGRAMME (WBLP)

The Government of India has introduced several initiatives for SCs, STs, Women, and EWS, including scholarships, coaching, and empowerment schemes. To strengthen their employability in IT and Electronics, the Work Based Learning (WBL) Programme was launched in emerging technologies. It is implemented through seven MeitY organizations—CERT-In, C-DAC, NIELIT, STQC, CMET, ERNET, and SAMEER—leveraging their expertise to provide practical exposure and skill development.

The Work Based Learning (WBL) Programme, approved on March 9, 2022, is a transformative initiative designed to empower fresh graduate engineers from Scheduled Caste (SC), Scheduled Tribe (ST), Women, and Economically Weaker Section (EWS) communities. This program provides hands-on practical experience in cutting-edge fields such as Information Technology, Electronics, and related disciplines, with a focus on addressing the socio-economic challenges faced by these groups. By offering exposure to state-of-the-art technologies, the WBL Programme equips candidates with essential skills, including technical knowledge, real-time working capabilities, critical thinking, problem-solving, analytical reasoning, and interpersonal communication. Implemented across seven Ministry of Electronics and Information Technology (MeitY) organizations—CERT-In, C-DAC, NIELIT, STQC, CMET, ERNET, and SAMEER—the program bridges the gap between academic learning and professional environments.

The objectives of the WBL Programme are multifaceted. It facilitates a smooth transition from college to the corporate world by providing real-time exposure to niche technological projects. The program reduces the "deployable time" for both candidates and prospective employers by offering practical experience in design, development, requirement analysis, testing, and standardization. It also enhances professional skills such as problem-solving, communication, presentation, confidence, and enterprise etiquette. Key technologies covered include Artificial Intelligence (AI), Machine Learning, Robotic Process Automation (RPA), Quantum Computing, Augmented Reality & Virtual Reality (AR/VR), Blockchain, 5G and Wi-Fi 6, Smart Mobility, Internet of Things (IoT), Cyber Security, Big Data Analytics, Cloud Computing, 3D Printing, Flexible Electronics, and more. The Programme targets candidates from SC, ST, Women, and Economically Weaker

MAJOR PROJECT PERFORMANCE/ STATISTICS

WORK BASED LEARNING PROGRAMME (WBLP)

Sections (EWS), including those pursuing engineering, M.Sc., MCA (final year/7th–8th semester) or equivalent, as well as graduates from the past three years. ITI and Diploma pass-outs are also eligible. Enrolled candidates receive a monthly stipend of 10,000. Enrollment for WBL Programme is conducted twice a year, in January and July.

Enrolled Candidates	Apr 2022 - March 2026	Jan 2026 - March 2026
SC	1,268	237
ST	755	142
EWS	758	178
Women	1,432	135
Total Candidates	**4,213**	**692**

PROGRESS PULSE:
A PERFORMANCE DASHBOARD

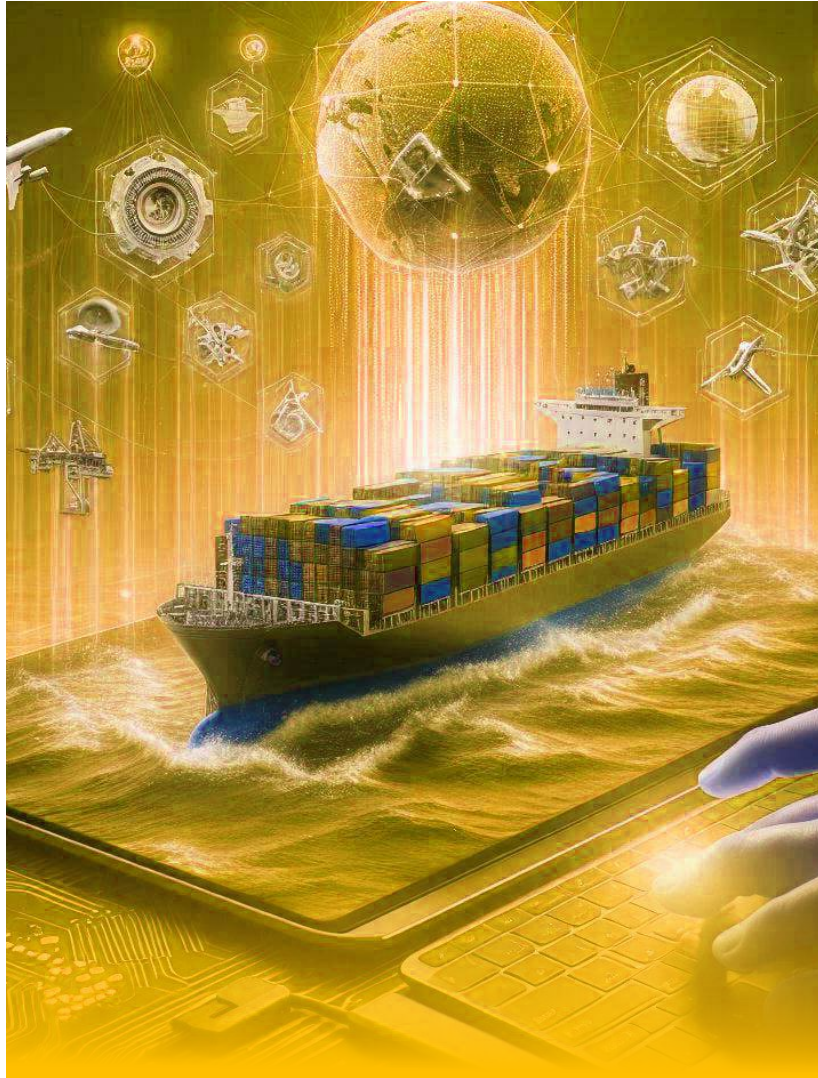
C-DAC CENTRE OF EXCELLENCE (COES)

MARITIME DIGITAL CENTRE OF EXCELLENCE (MDCOE)

The Maritime Digital Centre of Excellence (MDCoE) is a strategic initiative established by Ministry of Ports, Shipping and Waterways and C-DAC to drive and coordinate digital transformation across India's maritime sector. It acts as a satellite centre of C-DAC and digital technology arm of MoPSW. It focuses on enhancing operational efficiency, safety, sustainability, and governance through the adoption of advanced digital technologies. By identifying key operational and institutional challenges, MDCoE enables structured digital interventions leveraging technologies such as artificial intelligence, data analytics, Internet of Things (IoT), geospatial systems (GIS), cybersecurity frameworks, digital twins, and next-generation communication systems.

In addition to technology enablement, MDCoE acts as a collaborative platform, bringing together port authorities, government bodies, academia, startups, and technology providers to support pilot projects, promote standardization and interoperability, and align initiatives with national policies. Through this integrated approach, the Centre strengthens decision-making capabilities and facilitates the development of secure, scalable, and future-ready digital systems, positioning India's maritime sector as efficient, resilient, and globally competitive.

Sr. No	Activites	Count
1.	Ports Engaged	12
2.	Port Visits	07
3.	Project Awarded	03
4.	Proposals Submitted	06
5.	Technology Framework/ Roadmap Created for MoPSW	02
6.	Workshop Conducted	01



TECH ROLLOUTS

SYSTEM/ PRODUCT/ SERVICES LAUNCH/ RELEASE

TECH ROLLOUTS

SYSTEM/ PRODUCT/ SERVICES LAUNCH/ RELEASE

Launch of Bharati Sangraha

In a significant step toward strengthening India's multilingual digital ecosystem, the Hon'ble Union Minister of Home Affairs and Cooperation, Shri Amit Shah, launched Bharati Sangraha: A National Digital Repository for India's Multilingual Future on February 20th, 2026 at the Joint Regional Official Language Conference of the Eastern, North-Eastern, and Northern Regions held at the International Indoor Exhibition Centre, Hapania, Agartala, Tripura.

The landmark event was graced by an esteemed gathering of national and state dignitaries, including Dr Manik Saha, Hon'ble Chief Minister of Tripura; Shri Bandi Sanjay Kumar, Hon'ble Union Minister of State for Home Affairs; Shri Rajeev Bhattacharya, Hon'ble Member of Parliament, Rajya Sabha, Tripura; Shri Biplab Kumar Deb, Hon'ble Member of Parliament, Lok Sabha, Tripura (West); and Smt Maharani Kriti Singh Debbarman, Hon'ble Member of Parliament, Lok Sabha, Tripura (East) Smt Anjuli Arya, Secretary, Department of Official Language and other dignitaries.

TECH ROLLOUTS

SYSTEM/ PRODUCT/ SERVICES LAUNCH/ RELEASE

Launch of 16 products during 39th Foundation Day of C-DAC

C-DAC celebrated its 39th Foundation Day on March 17, 2026 at the CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad campus, with a special emphasis on the organization's achievements and the indigenization of future technologies.

During the event, 16 products were launched including Industrial Automation System Using Vision AI, Wireless Automatic Weather and Environment Stations (WAWES), Upsthiti, Vega-based Gas Monitoring Device (VGMD), C-DAC Rudra Virtue HCI, Automated Robotic Gantry System, ACTS Management Systems, Clearway - centralized Emergency Vehicle Priority (EVP) solution, ANUVID: AI-Based Image & Video Analytics Suite, paySETU – Secure Engine for Trackable Unified Payments, Lakshman a strategic Public Key Infrastructure (PKI) solution, Vikas Sahyog - AI augmented enterprise-grade, cloud-native Collaborative Knowledge Management and Localization framework, RISE Labs - Virtual Labs Product platform, Vitta Sangraho- Automation of Financial Reports for submission to MeitY and Sahayak writer. Also, INFOSEC Depot –2026 Magazine was released by Shri S. Krishnan, Hon'ble Secretary, MeitY, Government of India.

EVENTS

39th Foundation Day of C-DAC

C-DAC celebrated its 39th Foundation Day on March 17, 2026 at the CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad campus, with a special emphasis on the organization's achievements and the indigenization of future technologies.

The event was graced by Shri S. Krishnan, Hon'ble Secretary, MeitY, Shri Sudeep Shrivastava, Joint Secretary, MeitY,Dr. S. Somanath, Former Chairman, ISRO , Dr. D. Srinivasa Reddy, Director, CSIR -IICT, Hyderabad, Prof. Rajat Moona, Director, I IT Gandhinagar, Ms. Sheena Rani R, Director General, MED, COS & CS, DRDO and Dr. Randhir Thakur, CEO & Managing Director, Tata Electronics Pvt. Ltd., Bengaluru.

During the event, 16 products were launched and also MoU/ MoA/ NDA/ ToT agreement was signed with various agencies/ industries partners including Ausdia Software Pvt. Ltd, APSCHE, CSIR–NPL, IIT-PATNA, NIT Jamshedpur, University of Hyderabad, J.M. Envirolab Pvt Ltd. etc.

Continuing the celebrations on March 18, 2026, C-DAC organized a one-day workshop titled “Technology Frontiers and Directions”, which provided an in-depth exploration of emerging and transformative technologies shaping the future. The workshop was structured into thematic sessions covering key domains such as Exascale Computing, Quantum Computing & Communications, Artificial Intelligence, Internet of Things (IoT), and Next-Generation Cybersecurity. Each session was delivered by distinguished experts

39th Foundation Day of C-DAC

from leading organizations and academic institutions, including ARM, NVIDIA, IIIT Hyderabad, IBM, IIT Hyderabad, ISRO, and Robert Bosch.

The C-DAC Tech Showcase was opened to general public and received an overwhelming response, with over 1000 participants experienced C-DAC products firsthand. The event also saw the presence of researchers, professionals, and representatives from various government departments, national institutes including the IRISET, BPR&D, NALSAR, SVPNPA etc. Specialized technology stalls were set up, spanning a wide range of domains such as Exascale Computing, Quantum Computing, Internet of Things (IoT), Artificial Intelligence (AI), Next Generation Cyber Security, Blockchain Technology, Maritime Technologies, Strategic Technologies, Power Electronics & Energy, Next-Generation Mobility Solutions, ChipIN Centre, DIR-V VEGA Processor, E-Governance & Accessibility, Educational Technologies, Healthcare Technologies, Agriculture

Technologies, MeitY Skill Development Initiatives, Information Security Education Awareness (ISEA), Information Security Services (ISS), and Intellectual Property Rights (IPR).

The Tech Showcase fostered a dynamic environment for knowledge exchange, encouraging active engagement and meaningful discussions among attendees from diverse academic, government, and professional backgrounds. It served as an effective platform to inspire students and young professionals, offering exposure to cutting-edge technologies and motivating them to contribute to India's technological growth, self-reliance and digital transformation

AI IMPACT SUMMIT

A defining milestone in India's artificial intelligence journey unfolded at the IndiaAI Impact Summit 2026 at Bharat Mandapam, New Delhi during February 16- 21, 2026 - bringing together national vision, technological excellence, and transformative intent.

During the event C-DAC has exhibited various products and solutions including C-DAC AIRAWAT – A 200 AI Petaflops supercomputing system, PARAM Rudra – Indigenously designed and manufactured High-Performance Computing systems, VEGA Processors Dhruv 64 - India's first indigenous dual-core microprocessor and breakthrough advancements in Brain-Computer Interface technologies redefining human–machine interaction. "Vivan-BCI".

Also, C-DAC formalized multiple strategic partnerships through the signing and exchange of Memoranda of Understanding (MoUs) and Memoranda of Association (MoAs) with leading institutions from academia, research, industry, and startups. The event was held on February 17, 2026, as a part of the, AI Impact summit organized by Ministry of Electronics and Information Technology, Government of India at Bharat Mandapam, New Delhi.

AI IMPACT SUMMIT

The MoUs were signed and exchanged with the academic/industry organizations including All India Institute of Medical Sciences (AIIMS), Patna; Manav Rachna University, Faridabad; HCL Technologies, Bangalore; Indraprastha Institute of Information Technology Delhi (IIIT-Delhi), Gandhi Institute of Technology And Management (GITAM, Deemed to be University); Central Board of Secondary Education (CBSE), Ministry of Education; C-DOT Samgnya Technologies Foundations at IIT Madras, Foundation for QC Innovation (FQCI) at Indian Institute of Science (IISc) Bangalore, and Andhra Pradesh State Council of Higher Education (APSCHE) during the event.

Shri S. Krishnan, Hon'ble Secretary, MeitY, Shri Sudeep Shrivastava, Joint Secretary, MeitY has graced the occasion as a Special Guest for this event. The other dignitaries who were include Shri Magesh Ethirajan, Director General, C-DAC, Shri Manoj Kumar Jain, Group Coordinator- R&D in IT, MeitY, senior officials from MeitY and Centre Heads from C-DAC centres were present during the occasion.

Securing the Future in the Quantum Era

C-DAC Chennai successfully organized an awareness programme titled “Securing the Future: Awareness Programme on PQC Transition in the Quantum Era” on January 3rd, 2026, at Ramada Plaza, Guindy, Chennai. The event was graced by the esteemed presence of Shri S. Krishnan, IAS, Hon'ble Secretary, Ministry of Electronics and Information Technology (MeitY), highlighting the national priority of building a quantum-safe digital infrastructure.

Empowering Tribal Youth through Deep Tech

C-DAC Patna, in collaboration with Software Technology Parks of India (STPI Deoghar), launched "हुल उन्नयन: Deep Tech Skilling & Tribal Development Initiatives for Jharkhand" on February 8th, 2026. The initiative aims to position Jharkhand as an emerging technology hub by equipping tribal communities with advanced digital skills and fostering innovation-driven growth. The programme was inaugurated at STPI Deoghar by Dr. Nishikant Dubey, Hon'ble Member of Parliament and Chairman of the Parliamentary Committee on Communications and IT.

Strengthening India's Ocean Biodiversity Data Ecosystem

C-DAC, Pune is engaged in a collaborative project with the National Institute of Ocean Technology (NIOT), Chennai under the Deep Ocean Mission (DOM) of the Ministry of Earth Sciences (MoES). As part of this initiative, the Marine Microbial Information Portal (MMIP) has been developed to systematically document, archive, and analyse deep-sea microbial biodiversity.

NRCeS Users' Meet & Expo 2026

The National Resource Centre for EHR Standards (NRCeS) at C-DAC Pune hosted the NRCeS Users' Meet & Expo 2026 on February 27th, 2026 Pune, bringing together over 200 participants from across India's digital health ecosystem. The meet was addressed by Shri Madhukar Kumar Bhagat, Joint Secretary (eHealth), MoHFW, Gov. of India.

Glacial Lake Outburst Flood Early Warning System

In a significant step toward mitigating Glacial Lake Outburst Flood (GLOF) disaster risk, C-DAC in collaboration with NDMA, Himachal Pradesh State Disaster Management Authorities, and local administration, has successfully deployed and operationalized a Proof of Concept (PoC) of the Glacial Lake Outburst Flood Early Warning System (GLOF-EWS) in high-altitude-lake in Sissu, Himachal Pradesh.

ISEA-CISO Leadership Meet- 2026

As part of planned series of CISO Leadership Meets, A total of SIX Meets has been completed each at Hyderabad, Visakhapatnam, Guwahati, Bengaluru, Mumbai and Chennai on 30th of January'2026, 13th, 25th of February, 6th, 12th and 13th of March'2026 respectively.

Each and every CISO Leadership meet had special theme and a purpose. It witnessed the participation of officials from various domain areas including Cybersecurity, Artificial Intelligence, OT/ICS sectors etc.

The agenda is to provide a common platform for Chief Information Security Officers and senior cybersecurity leaders to discuss evolving cyber threats, share real-world experiences, and align cybersecurity strategies with organizational and national priorities. Such meets help strengthen leadership capabilities, promote collaboration across Government, PSU, and Industry, and enable informed decision-making at the management and board levels.

ISEA-CISO Leadership Meet- 2026

ISEA CISO Leadership Meet - 2026 at Mumbai at 12th March 2026


ISEA CISO Leadership Meet - 2026 at Bangalore on 6th March 2026

INTERNATIONAL OUTREACH

INTERNATIONAL OUTREACH

Advancing India–Tanzania Cyber Defence Collaboration

Delegation from Tanzania People's Defence Force (TPDF), led by Brig Gen Fabian Gaspar Machemba, Acting Chief of Defence intelligence visited C-DAC, Delhi on February 18, 2026. The delegation included of Col Hassan Omari Yunga, Lt. Col. Edgar Edward Mpindasigulu; Maj. Abdulkarim Mohamed Mondoa; Maj. Amri Kitwana Abdallah; Maj Noah Bonaventura Kong'oa and Wg. Cdr. Navin Kumar, DCyA, Ministry of Defence, Government of India. The visit aimed to identify and advance potential areas of collaboration between C-DAC & TPDF in the field of Cybersecurity and Cyber Forensics.

Visit by U.S. Embassy & Consulate Officials

C-DAC Patna had the honour of welcoming Mr. Matthew Walker, Regional English Language Officer, U.S. Embassy, New Delhi, and Ms. Aishwarya Mondal, English Language and Education Programme Manager, Public Diplomacy Section, U.S. Consulate General, Kolkata, to the centre. The visit was marked by a warm reception and engaging discussions, highlighting the shared commitment to education, research, and technological innovation.

INTERNATIONAL OUTREACH

Bilateral Engagement with Uzbekistan

During the India AI Impact Summit 2026, Mr. Azizjon Akramov, Director, Semiconductors & Electronics Strategy, Ministry of Economic and Finance of the Republic of Uzbekistan, held a meeting with Mr. Aditya Kumar Sinha, Executive Director, C-DAC, Mumbai, on February 17th, 2026. During the interaction, the ongoing international collaborative initiatives undertaken by C-DAC were discussed.

Fostering Academic Ties

C-DAC Patna hosted a delegation of senior academicians and technology leaders from Uzbekistan and Kazakhstan, including Prof. Sherali Tilavov, HoD, Digital Technology; Prof. Tursun Shafiev, HoD, Digital Technology and Artificial Intelligence; Prof. Khamza Eshankulov, Rector and IT Advisor; and Dr. Anatoly Kremenchtskey, Director, Centre of Excellence in IT, ENU, Astana, during their visit on January 21st, 2026. This interaction marks a significant step towards building sustained partnerships and reinforcing cross-border cooperation in the rapidly evolving digital ecosystem.

INTERNATIONAL OUTREACH

Advancing India–Seychelles Digital Cooperation

A high-level delegation from Seychelles, led by Sebastien Pillay, Hon'ble Vice President of the Republic of Seychelles, visited New Delhi to participate in the India AI Impact Summit 2026 held from February 16th –20th, 2026. On February 20th, 2026, the Hon'ble Vice President met with C-DAC officials. The meeting aimed to explore potential avenues of collaboration, particularly in the domains of cybersecurity and cyber forensics.

Visit of Mr. Jorge Edison Ribeiro, Araucária Foundation, Brazil

As part of the ongoing discussions regarding the Brazil HPC collaboration with C-DAC, Mr.Jorge Edison Ribeiro who is currently acting as Top Manager for High-Performance Computing (HPC) and Advanced Digital Technologies visited the C-DAC Thiruvananthapuram campus on February 9th, 2026 for technical discussions and collaboration. Mr. Jorge Edison Ribeiro and C-DAC discussed ways to boost collaboration in developing critical technologies like development of GPU, software stack for HPC storage, cyber security, precision farming etc.

INTERNATIONAL OUTREACH

Cuba Engages on Health Informatics and Cybersecurity

A delegation from the Republic of Cuba, led by H.E. Mayra Arevich Marin, Hon'ble Minister, Ministry of Communications, visited C-DAC Delhi on February 23rd, 2026. The objective of the visit was to explore the possible areas of cooperation between C-DAC & XETID and Ministry of Communications Government of Republic of Cuba in the field of digital health governance solutions, Cybersecurity & Cyber Forensics and Emerging Technologies.

India–Zambia Collaboration in Digital Health

C-DAC Delhi carried out the Certificate Course in Digital Health Governance (CCDHG) on February 9, 2026 under the ITEC Scheme of the Ministry of External Affairs, Government of India. The one-week programme was conducted for 10 participants from Zambia, with support from the Ministry of Health & Family Welfare, Government of India, and UNDP.

INTERNATIONAL OUTREACH

ITEC Certificate Course on AI and Governance

C-DAC, New Delhi carried out Certificate Course on "Impact of Artificial Intelligence on Global Governance, Institutional Operations, and Public Service Delivery", conducted under the Indian Technical and Economic Cooperation Programme (ITEC) of the Ministry of External Affairs, Government of India. The intensive 40-hour programme, delivered over one week from February 02 - 07, 2026, witnessed the participation of 13 nominated officers from 10 countries, namely Ethiopia, Ghana, Argentina, Oman, Guatemala, Guyana, Saint Lucia, Algeria, Nepal, and Mongolia.

Specialized Programme on Security Applications of AI

C-DAC, Mohali conducted a two-week Specialized Programme on Security Applications of AI (February 18 to March 03, 2026), bringing together 25 participants from 10 countries including Dominican Republic, Kenya, Mauritius, Fiji, Bhutan, Myanmar, Niger, Libya, South Sudan and Rwanda. The programme was conducted under the ITEC Scheme of the Ministry of External Affairs, Government of India.

INTERNATIONAL OUTREACH

ITEC Training on Quantum Computing

C-DAC Mohali concluded a two-week week Indian Technical and Economic Cooperation (ITEC) training programme on Quantum Computing and Information Science, held from January 21 to February 3, 2026, under the aegis of the Ministry of External Affairs (MEA), Government of India. The programme brought together 24 participants from nine countries -Ethiopia, Ghana, Indonesia, Laos, Libya, Paraguay, Tajikistan, Tanzania, and Vietnam—fostering international collaboration and knowledge exchange in advanced quantum technologies.

ITEC Cybersecurity & Malware Analytics Programme

C-DAC Delhi concluded the Certificate Course in Cybersecurity and Malware Analytics (CCCS&MA) under the ITEC Scheme of the Ministry of External Affairs, Government of India on January 30, 2026. The course witnessed enthusiastic participation from officials representing various Government Departments and Ministries from Ghana, Cambodia, Sri Lanka, Tanzania, Mongolia, and Sierra Leone, fostering a rich, cross-country learning environment.


AWARDS

AWARDS

6th Digital Transformation Award

C-DAC has also received prestigious awards, namely, 6th Digital Transformation Award under different categories for the following eight (8) projects

1. National Blockchain Framework (NBF)
2. e-Hastakashar
3. PWD Online Management System (PWDOMS)
4. ePravah Human Resources and Financial management system for AIIMS
5. SMARTFARMS
6. ONDLS - Online National Drug Licencing System
7. E-learning platform
8. iOncology

AWARDS

e-Hastakshar Wins ET GovTech Award 2026

C-DAC's indigenous e-Sign solution, e-Hastakshar, was honored with the Silver Award at the Economic Times GovTech Awards 2026 in the "Smart Governance Excellence" category on March 19th, 2026.

SWAPN Award 2026 (Semiconductor Product of the Year)

The DHRUV64 SoC developed by C-DAC received the SWAPN Award 2026 (Semiconductor Product of the Year) from the VLSI Society of India for its contribution to indigenous semiconductor development.

Technology Sabha Award 2026

C-DAC, Pune has been recognized for its leadership in Artificial Intelligence, as its initiative has been honored with the Technology Sabha Award 2026 in the AI category

AWARDS

HUID AHC Automation Honoured at ET GovTech Awards 2026

The Hallmarking Unique Identity (HUID) AHC Automation ecosystem has brought prestigious recognition to C-DAC. On March 19, 2026, the project won the Gold Award in the Digital Identity & Authentication Innovation category at the The Economic Times GovTech Awards 2026.

e-BIS Portal Wins Gold at ET GOVTECH Awards 2026

The e-BIS portal, an integrated platform for all Bureau of Indian Standards (BIS) services, developed and implemented by the e-Governance group of C-DAC Noida, has been honored with the Gold Award in the Public Sector Digital Transformation category at The Economic Times GOVTECH Awards 2026

BACKEND
SQUAD

BACKEND SQUAD

CISO DESK

Vulnerability Reporting and Response

A total of seven vulnerabilities and no security incidents were reported during the period from various monitoring sources. All identified vulnerabilities were promptly communicated to the respective development and maintenance teams at C-DAC Mohali, Mumbai, and Pune. Necessary remediation actions were initiated in accordance with the recommended security guidelines to ensure timely resolution and risk mitigation.

Enhancement of Cybersecurity Infrastructure

The cybersecurity posture of C-DAC was significantly strengthened in alignment with current security requirements. To improve network security while maintaining seamless connectivity, a Guest Wi-Fi Authentication System has been implemented across C-DAC centers. The primary server for this system will be hosted at Noida, and it will be integrated with an SMS gateway to facilitate OTP-based authentication for guest users via their mobile devices. This initiative is being coordinated by NISO Kolkata to ensure uniform implementation and operational efficiency.

C-DAC Patna

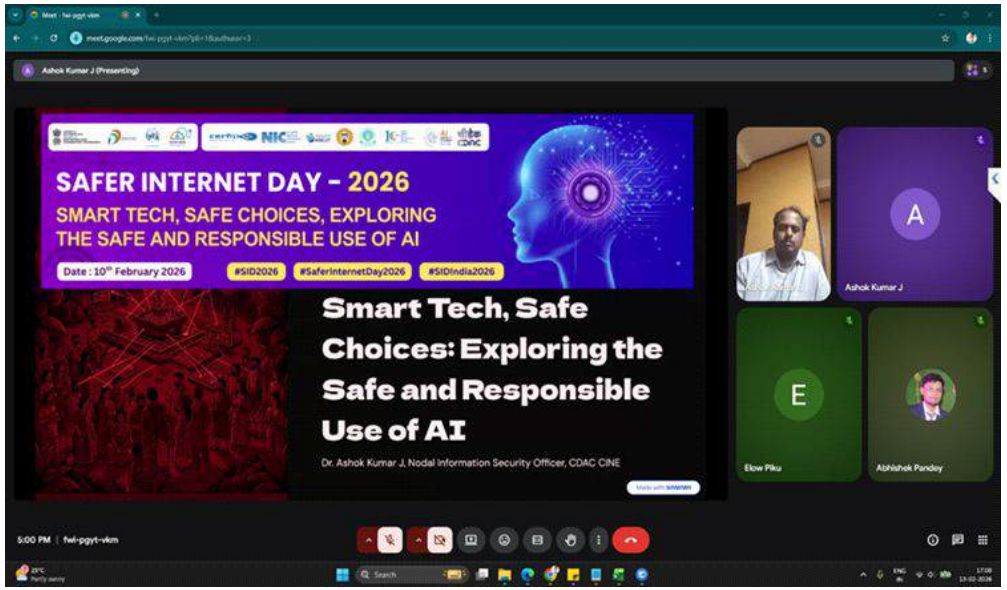
C-DAC Noida

BACKEND SQUAD

CISO DESK

Threat Intelligence Sharing and Monitoring

Regular updates on emerging cyber threats are disseminated to all C-DAC centers through CMTX alerts. During this period, a total of 161 alerts were shared with SOC teams at Trivandrum (TVM), Noida, and Pune, as well as with NISOs across C-DAC centers. Additionally, weekly honeypot reports are collected from participating centers and distributed to the respective teams. These reports support continuous monitoring and analysis of Indicators of Attack (IOA) and Indicators of Compromise (IOC), thereby enhancing proactive threat detection and response capabilities.



Cyber Awareness Initiatives

Various Cyber Awareness initiatives were conducted including Cyber Jagrookta Diwas, Awareness Email Campaigns, Safer Internet Day Observance and Webinars and Knowledge Sessions.

BACKEND SQUAD

CIO DESK

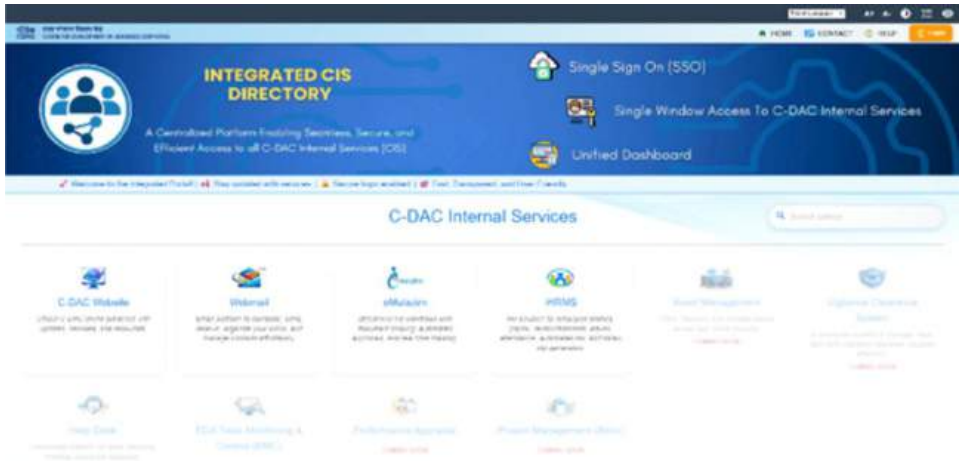
During the quarter, the CIO team, in collaboration with designated NIOs across C-DAC centres, continued to strengthen Shared IT Services (SITS) through progressive system integrations, infrastructure planning, and enterprise-wide standardization. The focus remained on transitioning pilot initiatives towards production readiness, enhancing system interoperability, and enabling centralized access across platforms.

Single Sign-On (SSO) – e-Pramaan

Single Sign-On (SSO) based on e-Pramaan has been extended to integrate with Helpdesk Management System and center specific applications from Pune, Thiruvananthapuram, and Hyderabad centres.

Unified Dashboard

The Unified Dashboard continued to evolve as a centralized interface targeting unified access to multiple applications across C-DAC, including center-specific applications being integrated with e-Pramaan SSO. The system is currently in beta testing, with SITS applications integrated with e-Pramaan SSO.



BOSS OS

BOSS OS pilot testing at selected centres has been carried out. The system has now seen expanded installations across multiple centres, including Patna, Silchar, Bengaluru, and Pune.

EDA Management Tool

Enhancements to the EDA Tools Management system were incorporated during the quarter, and pilot deployment activities were initiated on the test server. The updates aim to improve usability and system functionality, with ongoing testing to ensure readiness for broader deployment across user groups.

सी डैक
CDAC

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● बेंगलुरू ● चेन्नई ● हैदराबाद ● कोलकाता ● मोहाली ● मुंबई ● नई दिल्ली ● नॉएडा ● नॉर्थ ईस्ट (गुवाहाटी) ● पटना ● पुणे ● तिरुवनंतपुरम
● Bengaluru ● Chennai ● Hyderabad● Kolkata ● Mohali ● Mumbai ● New Delhi ● Noida ● North East (Guwahati) ● Patna ● Pune ● Thiruvananthapuram

Branding and Communication/Corporate R&D/2026