

techzine



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INSPIRING INSIGHTS | IDEAS TO ACTION | PROGRESS PULSE: A PERFORMANCE DASHBOARD | TECH ROLL-OUTS | INTERNATIONAL OUTREACH

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Message from Director General

I am delighted to announce the release of the Thirteenth 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 "CISO Activities at C-DAC". Considering the importance of protecting the knowledge, systems and infrastructure, C-DAC has initiated CISO activities during year 2013 and established Chief Information Security Officer (CISO) function during the year 2018. Since then, CISO function has evolved over the period of time having NISO- Nodal Information Security Officers across all the C-DAC centres.

CISO function continuously has built awareness across C-DAC's workforce - from researchers and technical teams to administrative staff - on how to recognise and respond to evolving threats such as phishing, social engineering, credential compromise and emerging attack techniques.

I am pleased to mention that C-DAC Thiruvananthapuram and C-DAC Kolkata have achieved ISO/IEC 27001 certification. Towards this, I urge all C-DACians to contribute towards seeking ISO/IEC 27001 certification, improving the maturity of incident-response.

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.



Shri Magesh Ethirajan



Message from Editorial Board

The Editorial Board of Techzine is proud to present the Thirteenth Issue of Techzine, focusing on "CISO Activities at C-DAC". This issue of Techzine provides details of C-DAC journey towards establishment of CISO function which is reflected in the article on "Building a Cyber Secure C-DAC - A Decade Long Journey of Policy, People and Resilience".

Each issue of the magazine 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

- Shri Pramod P.J., Head – Corporate R&D, C-DAC
- Shri Manoj Gopinath, Head M&C, Associate Director, C-DAC Pune
- Shri Shripad Shriram Kalambkar, Scientist E, Corporate R&D, C-DAC
- Shri Anant Kelkar, Joint Director, Corporate R&D, C-DAC
- Shri Sanjay Chakane, Senior Admin Officer, Corporate R&D, C-DAC



INSPIRING INSIGHTS ON NEW FRONTIERS

BUILDING A CYBER SECURE C-DAC

A Decade Long Journey of Policy, People and Resilience

Dr. Chandrapati Appala Satyanarayana Murty,
CISO, C-DAC

Every organization working at the frontier of technology must eventually address a fundamental question: how can it protect the knowledge, systems and infrastructure it creates? For the Centre for Development of Advanced Computing, an institution whose very identity is rooted in pushing the boundaries of computing, high-performance systems, and electronics R&D across C-DAC centres, this question became impossible to defer once national cybersecurity frameworks began taking shape in the early part of the last decade. This article traces C-DAC's journey from its initial information-security policy initiatives in 2013-14 to a mature, federated security posture that spans every centre - and reflects on the progress achieved and the work that lies ahead.

The Beginning: 2013-14

C-DAC's formal information-security journey began in 2013-14, when the national cybersecurity landscape was still taking shape. The Indian Computer Emergency Response Team (CERT-In) had issued its early guidelines, while the National Critical Information Infrastructure Protection Centre (NCIIPC) was in its formative years and beginning to define what critical information infrastructure meant for organisations such as C-DAC. There was no ready-made template to follow. Instead, C-DAC had broad national directions and a growing internal recognition that an organisation engaged in sensitive research, high-performance computing and government-facing technology development could no longer treat information security as an afterthought.

During this period, C-DAC took its first deliberate steps towards developing a formal Information Security Policy, supported by the procedures and guidelines required for implementation. This was not merely a top-down directive. The initiative was actively



supported by Dr. Rajat Moona, the then Director General of C-DAC, who reviewed the efforts of the Information Security Officers (ISOs) nominated at each centre and encouraged them to translate national and regulatory expectations into practical, centre-specific policy documents. The early initiative was coordinated through NetOps, Pune, with the author designated as the part-time CISO. ISOs from across C-DAC worked together to align their drafts, discuss implementation challenges unique to a research and development environment, and develop a policy framework that could be realistically adopted across the organisation.

This foundational period was significant not only for the documents it produced, but also for the organisational habit it established: information-security policy at C-DAC would be built collaboratively, centre by centre, with active leadership sponsorship.

Institutionalising the Framework: MeitY Guidelines and the CISO Role

As the Ministry of Electronics and Information Technology (MeitY) issued clearer guidelines for information-security governance across its constituent organisations, C-DAC moved to formalise what had initially been a distributed, ISO-driven effort. This included establishing a dedicated, organisation-wide Chief Information Security Officer (CISO) function headed by an officer at the Scientist G level - creating a clear point of accountability for policy maturation, implementation and sustained compliance.

From 2018, Ms. Ananta Lakshmi, Scientist G, C-DAC Thiruvananthapuram, led the consolidation of the policy drafts, procedures and guidelines developed during the initial phase into a more coherent policy suite. This required reconciling differing interpretations across centres, aligning the documents with evolving MeitY expectations, and building the institutional consensus required to move from draft policies to an actionable, organisation-wide framework.

The responsibility was subsequently carried forward by Shri Praveen Khosla, Executive Director, C-DAC Mohali, and Shri Vinod Kumar, Scientist G. Their leadership helped advance the policy suite through the necessary internal reviews and management approvals. This continuity ensured that the framework initiated years earlier did not

CISO



remain in draft form. It also demonstrated that the effectiveness of a policy depends not only on its content, but also on consultation, organisation-wide acceptance, formal approval and disciplined implementation.

Since 2024, I have once again assumed the responsibility of CISO, returning to a role held during the earlier phase of this journey. The current focus is to build on the approved policy suite and the momentum created by my predecessors, and to take C-DAC forward through implementation, certification, compliance and continuous improvement.

Choosing the Right Path to ISO/IEC 27001

As C-DAC's role in developing and supporting nationally important digital infrastructure grew, formal certification became an increasingly important priority. ISO/IEC 27001, the international standard for Information Security Management Systems (ISMS), was the natural benchmark. A single, organisation-wide certification appeared attractive in principle: one standard, one certificate and a uniform security posture across all centres.

In practice, C-DAC operates as a unified organisation comprising 12 centres coordinated by the Corporate Office. Each centre has its own domain expertise and thematic research focus aligned with the overall corporate mandate. At the same time, centres have developed distinct technical strengths and work practices based on their areas of specialisation and local operational environments. This diversity is one of C-DAC's key strengths, enabling it to address a broad spectrum of national technology priorities within a common institutional vision.

Recognising this operational diversity, C-DAC adopted a deliberate centre-wise certification approach rather than imposing a single certification timeline across all centres. Each centre is therefore able to develop and mature its ISMS in a manner suited to its operational reality while working towards the same underlying standard.

This approach has already begun to yield results. C-DAC Thiruvananthapuram and C-DAC Kolkata have achieved ISO/IEC 27001 certification, becoming the first C-DAC



centres to have their Information Security Management Systems formally certified against the international standard. Their experience - including internal audits, risk assessments, corrective actions and documentation discipline - now serves as a valuable reference for other centres pursuing their own certification journeys. Rather than relying on a single organisation-wide push, C-DAC is building a growing portfolio of certified centres, with each successful certification strengthening the roadmap for the next.

Building the Network: CISO, NISO and the People Behind the Policy

One of the most enduring institutional outcomes of this journey is not a document, but a network of people. C-DAC has established a structured mechanism connecting the CISO with Nodal Information Security Officers (NISOs) at each centre. This network ensures that information security is not the concern of a single office or location, but a shared responsibility distributed across the organisation. The CISO-NISO network also works in close coordination with the Chief Information Officer (CIO) and Nodal Information Officers (NIOs), enabling information-security governance and information-technology governance to progress in alignment rather than in isolation.

The network also works closely with Human Resources, Finance and Administration because cybersecurity risks rarely respect departmental boundaries. A phishing email targeting payroll data is as much a concern for Finance as it is for the information-security function. Similarly, insider risk involves human-resource and organisational considerations as much as technical controls. By embedding security coordination into routine administrative and operational processes, C-DAC has moved information security from a specialist, siloed function towards a shared organisational discipline.

Combating an Evolving Threat Landscape

Policy and certification provide the framework; however, the day-to-day responsibility of the CISO is to address a threat landscape that continues to evolve. C-DAC's centres are spread across the country and are engaged in sensitive research and development, high-performance computing and government-facing projects. They therefore face the broad categories of threats encountered by large technology organisations,



including phishing and social-engineering attempts, credential theft, malware and ransomware, distributed denial-of-service attacks against public-facing infrastructure, targeted reconnaissance and insider risks arising from negligence or misuse of access.

C-DAC's response is based on layered technical controls, disciplined processes and sustained vigilance rather than any single solution. These measures include continuous network monitoring supported by indigenous tools such as C-DAC SIEM and DARPAN, endpoint-security controls, continuous Vulnerability Assessment and Penetration Testing (VA/PT), timely patching and vulnerability management, access control, network segmentation, and close coordination with CERT-In on advisories and alerts. Incident-response procedures embedded in the policy framework are exercised and refined so that incidents, when they occur, can be contained, reported, analysed and used to strengthen future preparedness.

These technical and procedural safeguards are reinforced by the human dimension of security. Even a well-configured firewall cannot prevent every user from responding to a convincing phishing message; a trained and alert employee can often provide the critical first line of defence.

Building a Security-Aware Culture

Education, training and awareness are therefore central pillars of the CISO-NISO network. Firewalls, access controls and encryption can only go so far when human factors continue to play an important role in preventing and responding to security incidents. The network continuously builds awareness across C-DAC's workforce - from researchers and technical teams to administrative staff - on how to recognise and respond to evolving threats such as phishing, social engineering, credential compromise and emerging attack techniques.

This is not a one-time campaign, but a continuing organisational responsibility. The threat landscape does not remain static, and security awareness must therefore be renewed through regular communication, training, exercises and reinforcement of good practices.



A Decade of Growth and the Road Ahead

Looking back at this journey - from the first policy drafts reviewed under the leadership of Dr. Rajat Moona in 2014, through the consolidation efforts of Ms. Ananta Lakshmi, Shri Praveen Khosla and Shri Vinod Kumar, to the ISO/IEC 27001 certifications achieved by C-DAC Thiruvananthapuram and C-DAC Kolkata and the CISO-NISO network operating today - what stands out is not a single milestone, but a pattern of deliberate institution-building.

At each stage, C-DAC adopted a collaborative and sustainable approach: building consensus across centres, pursuing certification at a pace each centre could support, and investing in people, processes and awareness alongside technology. This balanced approach has enabled the organisation to strengthen its security posture while respecting the diversity of its technical domains and operating environments.

This work is increasingly important as C-DAC's mandate and technological responsibilities continue to expand. As an organisation contributing to the security and resilience of critical digital and information infrastructure and to the advancement of India's technological capability, C-DAC must continually respond to rising expectations from MeitY, CERT-In, NCIIPC and the public institutions that rely on its work. The next phase will include extending ISO/IEC 27001 certification to more centres, improving the maturity of incident-response capabilities and continuing to strengthen the human dimension of information security through sustained training and awareness.

What began as a set of policy drafts in 2013-14 has evolved into an organisation-wide information-security framework encompassing people, governance, processes and technology. The journey is continuing, but the institutional foundations built over the past decade provide C-DAC with a strong platform for the road ahead.



IDEAS TO ACTION



NEW MEITY PROJECTS

IDEAS TO ACTION



Name of Project: Design and Development of Unified Blockchain Framework for offering National Blockchain Services and Creation of a Blockchain Ecosystem – Phase 2

CI: Ms. Jyostna Grandhi, Scientist F, C-DAC Hyderabad

PI: Dr. Padmaja Joshi, Scientist G, C-DAC Mumbai
Shri Mohammad Aziz Maalik, Scientist F, C-DAC Pune

Co-CI: Dr. P R Lakshmi Eswari, Scientist G, C-DAC Hyderabad
Dr. Mahesh Uttam Patil, Scientist G, C-DAC Hyderabad
Ms. Nirmala Salam, Scientist F, C-DAC Mumbai
Shri Sachin Nandurkar, Scientist E, C-DAC Pune

Collaborators: NIC/NICSI and SETS Chennai

Brief Description: Objective of the project is to design and develop core value-added research and compliance enabling components for the National Blockchain Framework (NBF) to enhance its capabilities, leading to its wider adoption for various Government and Enterprise use cases.

NEW MEITY PROJECTS

IDEAS
TO
ACTION

Name of Project: Design and Development of Framework for Determination & Categorization of Online Gaming Applications for the Online Gaming Authority of India (OGAI) under the Promotion and Regulation of Online Gaming Act, 2025

CI: Ms. Shri MK Chaithanya, Scientist E, C-DAC Hyderabad

Co-CI: Shri S Sunil Kumar, Scientist E, C-DAC Delhi
Shri Venkat R Kodimela, Project Manager, C-DAC Hyderabad

Brief Description: The major objective of the project is to evolve an assessment framework to facilitate determination and categorization of online games based on the applicable regulatory and policy standards established by the Government framework through Promotion and Regulation of Online Gaming (PROG) Act, 2025. The assessment is a three-part process that includes:

- Determination of an online game as an online money game or otherwise
- Categorization of the online social games as recreational, educational, skill development or such other purposes
- Conduct periodic assessment of the registered gaming applications to determine any material change in the online social game or e-sport after the registration

NEW MEITY PROJECTS

IDEAS TO ACTION



Name of Project: Setting up of Nodal Centre(s) of Excellence for Cyber Security and Cybertronics at Guwahati/Kolkata for Capacity Building activities in emerging IT/ICT Defence and Strategic Agencies Personnel

CI: Dr. Ch A S Murty, Executive Director, C-DAC Hyderabad

Co-CI: Ms. Indravani Chebolu, Scientist F, C-DAC Hyderabad

Brief Description: Major objective of the project is to establish a Nodal Centre of Excellence (NCoE) for Cybertronics and Cyber Operations to strengthen capacity and capability building for personnel from the Indian Army, Indian Navy, and Indian Air Force, enabling them to address emerging challenges in cyber warfare, electronic warfare (EW), and converged cyber-physical (OT) environments through advanced training, simulation, and research-driven platforms. The NCoE shall be hosting and serving the cybertronics simulated/emulated laboratories focusing on converged Cyber-OT and Electronic Warfare environments by Indian Institute of Technology Madras, Cyber Operations Labs, Cyber Range Infrastructure, Virtual Lab platform and exercises in support with ISEA integration by C-DAC Hyderabad and shall be implemented at MCTE. IIT Guwahati and C-DAC Kolkata together shall establish the nodal centre for North East and other armed units for implementing trainings.

NEW MEITY PROJECTS

IDEAS TO ACTION



Name of Project: Development of a Cyber-Secure Data Centre for Time and Frequency Metrology

CI: Mr. Navdeep Singh Chahal, Scientist F, C-DAC Mohali

Co-CI: Ms. Divya Singh Yadav, CSIR NPL

Collaborators: CSIR- National Physical Laboratory (NPL)

Brief Description: Project aims to design and implement a cyber-secure data centre at CSIR–NPL, New Delhi, to support India's National Time Scale. The project will strengthen NTP services, enable indigenous secure data centre development, establish a state-of-the-art national facility, and create sustainable operations frameworks aligned with national initiatives, positioning C-DAC as a key contributor in critical metrology and cybersecurity.

NEW MEITY PROJECTS

IDEAS TO ACTION



Name of Project: Framework for the analysis of digital data in the online ecosystem

CI: Shri Bipin Chandra Sharma, Senior General Manager, NISG, New Delhi
Dr. Mary Jacintha M, Scientist-F, C-DAC Noida

Co-CI: Shri Vivek Arya, Project Manager, C-DAC Noida

Collaborators: NISG, New Delhi

Brief Description: The project envisions to strengthen the monitoring, identification and analysis of unlawful information circulating across digital and social media platforms. It leverages an indigenous Social Media Analytics Tool developed by C-DAC, with AI/ML-enabled capabilities for crawling, processing and analysing publicly available online information at scale. The tool will support identification of misinformation, false narratives, disinformation, unlawful content and emerging digital trends through automated data collection, content classification, sentiment analysis, trend detection and analytical dashboards. Through structured daily, weekly and quarterly reports, the initiative enables timely insights for informed decision-making and coordinated action. It also provides policy-level inputs for suitable amendments in the IT Act, 2000 and associated rules, based on evolving challenges in the online ecosystem.

NEW MEITY PROJECTS

IDEAS
TO
ACTION

Name of Project: A Comprehensive Research Framework for Strengthening Techno-Legal Compliance, Intermediary Liability, and AI-Driven Financial Fraud Detection in India's Digital Ecosystem.

CI: Dr. Mary Jacintha M, Scientist-F, C-DAC Noida
Dr. Kanti Singh Sangher, Scientist-E, C-DAC Noida

Co-CI: Shri Vivek Arya, Project Manager, C-DAC Noida

Brief Description: The project is a forward-looking initiative designed to strengthen India's digital governance framework in response to rapidly evolving online risks. The project brings together technology, law, policy, and research to address critical issues such as intermediary compliance, unlawful digital content, blockchain-based transactions, smart contracts, and online financial fraud. A key focus of the initiative is the development of AI/ML-driven frameworks for automated identification, analysis, and moderation of financial fraud linked with digital platforms. It also examines global best practices on intermediary liability, safe harbour provisions, and due diligence norms to support stronger regulatory preparedness. By aligning technological innovation with legal and ethical requirements under the IT Act, 2000 and IT Rules, 2021, the project seeks to enable faster response mechanisms and evidence-based policy recommendations.

NEW R&D PROJECTS
(EXTERNAL FUNDING)

IDEAS TO ACTION



Name of Project: AI-based Procurement RFx Automation for NRL Refinery – Phase 2

CI: Shri Ramesh Naidu Laveti, Scientist F, C-DAC Bangalore

Funding Agency: Numaligarh Refinery Limited (NRL)

Collaborating Agency: Indian Institute of Technology Guwahati (IITG) Manthhan Software Pvt. Ltd.

Brief Description: This project aims at the indigenous design and development of AI-based procurement automation technology that includes a domain-specific Small Language Model (SLM), custom AI agents for tender drafting and bid evaluation, advanced retrieval and reasoning algorithms grounded in India's procurement rules, secure on-premise deployment and supporting integration with enterprise systems. The design and development of the Procurix.ai platform will pave the way to an indigenous, affordable and transparent solution for public-sector enterprises and government organisations, making government procurement faster, auditable and self-reliant in line with the vision of Atmanirbhar Bharat.

NEW R&D PROJECTS (EXTERNAL FUNDING) IDEAS TO ACTION



Name of Project: Digital Preservation of Manuscript available with Acharya Yogesh Chandra Purakriti Bhavan (District Museum), Bishnupur, West Bengal – Phase II

CI: Shri Niladri Sekhar Saha, Scientist-E, C-DAC Kolkata

Co-CI: Smt. Barnali Pal, Scientist-F, C-DAC Kolkata

Funding Agency: Directorate of Archaeology and Museums, Information & Cultural Affairs Department, Govt. of West Bengal

Collaborating Agency: Acharya Yogesh Chandra Purakriti Bhavan (District Museum), Bishnupur

Brief Description: The project aims to digitally preserve 378 rare and fragile manuscripts comprising approximately 10,000 folios (around 20,000 images) using high-resolution, non-invasive digitization techniques. The project includes metadata creation, image processing, development of a secure Digital Object Repository and Retrieval System, and implementation of advanced search and retrieval facilities to ensure long-term preservation and easy scholarly access. In addition, selected manuscripts will undergo scholarly annotation, transcription, transliteration, and structured content encoding to create high-quality annotated datasets for developing indigenous AI-based transcription, transliteration, and translation models for historical Indian manuscripts. By integrating heritage preservation with modern digital archival technologies and Artificial Intelligence, the project seeks to safeguard the cultural and intellectual heritage of Bishnupur while establishing a sustainable, scalable, and research-oriented digital preservation ecosystem for future generations.

NEW R&D PROJECTS (EXTERNAL FUNDING) IDEAS TO ACTION



Name of Project: IT Consultancy Service: Information Security Policy, Network Architecture, Training & Support

CI: Dr Ashok Kumar J, Scientist D, C-DACCINE

Co-CI: Shri Amitabha Nath, Technical Assistant, C-DACCINE

Funding Agency: Duliajan Numaligarh Pipelines Ltd. (A Government of Assam Undertaking)

Brief Description: This project aims to strengthen the IT and cybersecurity infrastructure of DNP Limited by developing an ISO/IEC 27001:2022-aligned Information Security Management System (ISMS), conducting a comprehensive security assessment, and designing a secure, scalable enterprise network architecture. The scope also includes preparing cybersecurity policies, network modernization plans, firewall and VPN architecture, Wi-Fi infrastructure design, technical support during implementation, and user awareness training to enhance the organization's overall security posture and readiness for future digital initiatives.

NEW R&D PROJECTS (EXTERNAL FUNDING) IDEAS TO ACTION



Name of Project: Indigenous Synchrophaser for Garrett engine

CI: Shri Shibu R M, Scientist G, C-DAC Thiruvananthapuram

Co-CI: Shri Rajesh R, Scientist F, C-DAC Thiruvananthapuram

Funding Agency: Transport Aircraft Division, HAL, Kanpur

Collaborating Agency: HAL

Brief Description: Research, design, development, testing, certification, and supply of an indigenous Synchrophaser Unit for Garrett engines used in Dornier-228 aircraft operated by the Indian defence forces. The project includes a detailed study of the existing system architecture and operational functionality, followed by the implementation of the required synchrophasing functions in compliance with applicable aviation standards. C-DAC shall undertake the complete hardware design and development of the Synchrophaser Unit, ensuring reliability, performance, and compatibility with the existing aircraft systems.

NEW R&D PROJECTS (EXTERNAL FUNDING) IDEAS TO ACTION



Name of Project: Ignition Exciter unit for Dornier-228 aircraft

CI: Shri Shibu R M, Scientist G, C-DAC Thiruvananthapuram

Co-CI: Shri Rajesh R, Scientist F, C-DAC Thiruvananthapuram

Funding Agency: Engine Division, HAL, Bengaluru

Collaborating Agency: HAL

Brief Description : Major objective of the project is to design, development, qualification and supply of the Ignition Exciter Units for Dornier-228 aircraft. The starting system of gas turbine engine comprises of electrical starter and ignition systems. The electric starter rotates the compressor through gear box and provides necessary air to achieve the optimum fuel air mixture. Ignition of fuel air mixture in combustion chamber is achieved by high energy igniter plugs. There are two igniter plugs on gas turbine under consideration. High energy ignition box provides necessary current supply to the igniter plugs. The function of the proposed ignition unit is to provide necessary high voltage required by the igniters to initiate the ignition or re-ignition of gas turbine engines in midair. The end of the ignition plug is placed in the primary area of the combustion chamber. The spark produced by the ignition plug ignites the fuel from the injector and the flame then spreads to the whole chamber. The unit shall undergo necessary environmental, electrical, and electromagnetic qualification as per relevant MIL-STD requirements.

NEW R&D PROJECTS (EXTERNAL FUNDING) IDEAS TO ACTION



Name of Project: IIoT-based Smart Inventory Management using RFID

CI: Shri Shibu R M, Scientist G, C-DAC Thiruvananthapuram

Co-CI: Shri Rajesh R, Scientist F, C-DAC Thiruvananthapuram

Funding Agency: Aircraft Research & Design Centre, HAL, Bengaluru

Collaborating Agency: HAL

Brief Description: : The design and implementation of an RFID-based tool and asset tracking system across the Library, Hangar, and Stores of Aircraft Research and Development Centre (ARDC), Bangalore aims to enhance operational efficiency, ensure asset traceability, and reduce instances of tool misplacement or loss. By minimizing manual intervention and enabling real-time visibility of assets, the system strengthens accountability and audit readiness. Aligned with Industry 4.0 principles, this solution enables seamless digital integration, supports data-driven decision-making, and lays the foundation for predictive analytics and smart inventory management within ARDC operations.



MOTOR SKILLS

PLANNING

BOOKMARKER HUNG

STRENGTH ANALYSIS

```
if (group_info->small_block == 0) {
```

```
    group_info->small_block = nblocks * sizeof(gid_t), GFP_USER;
```

```
    if
```

```
    nblocks = nblocks * sizeof(gid_t);
```

```
    group_info = kmalloc(sizeof(*group_info) + nblocks * sizeof(gid_t), GFP_USER);
```

```
    if (!group_info)
```

```
        return NULL;
```

```
    group_info->nblocks = nblocks;
```

```
    if (group_info->nblocks < NGROUPS_SMALL)
```

```
        goto out_ando_partial_alloc;
```

```
    group_info->blocks[0] = 0;
```

```
    return group_info;
```

```
out_ando_partial_alloc:
```

```
    while (--i > 0) {
```

```
        free_page(unsigned long)group_info->blocks[i];
```

```
    }
```

```
    kfree(group_info);
```

```
    return NULL;
```

```
EXPORT_SYMBOL(groups_alloc);
```

```
void groups_free(struct group_info *group_info)
```

```
    if (group_info->blocks[0] != group_info->small_block) {
```

```
        for (i = 0; i < group_info->nblocks; i++)
```

```
            free_page(unsigned long)group_info->blocks[i];
```

```
        kfree(group_info);
```

```
    }
```

```
EXPORT_SYMBOL(groups_free);
```

```
/* export the group_info to a user-space array */
```

```
static int groups_to_user(gid_t __user *grouplist, const struct group_info *group_info)
```

```
    int i;
```

```
    unsigned int count = group_info->nblocks;
```

```
    for (i = 0; i < group_info->nblocks; i++) {
```

```
        unsigned int cp_count = min(NGROUPS_PER_BLOCK, count);
```

```
        unsigned int len = cp_count * sizeof(*grouplist);
```

```
        if (copy_to_user(grouplist, group_info->blocks[i], len))
```

```
            return -EFAULT;
```

```
        grouplist += NGROUPS_PER_BLOCK; cp_count -= len;
```

PROGRESS PULSE:

A PERFORMANCE
DASHBOARD

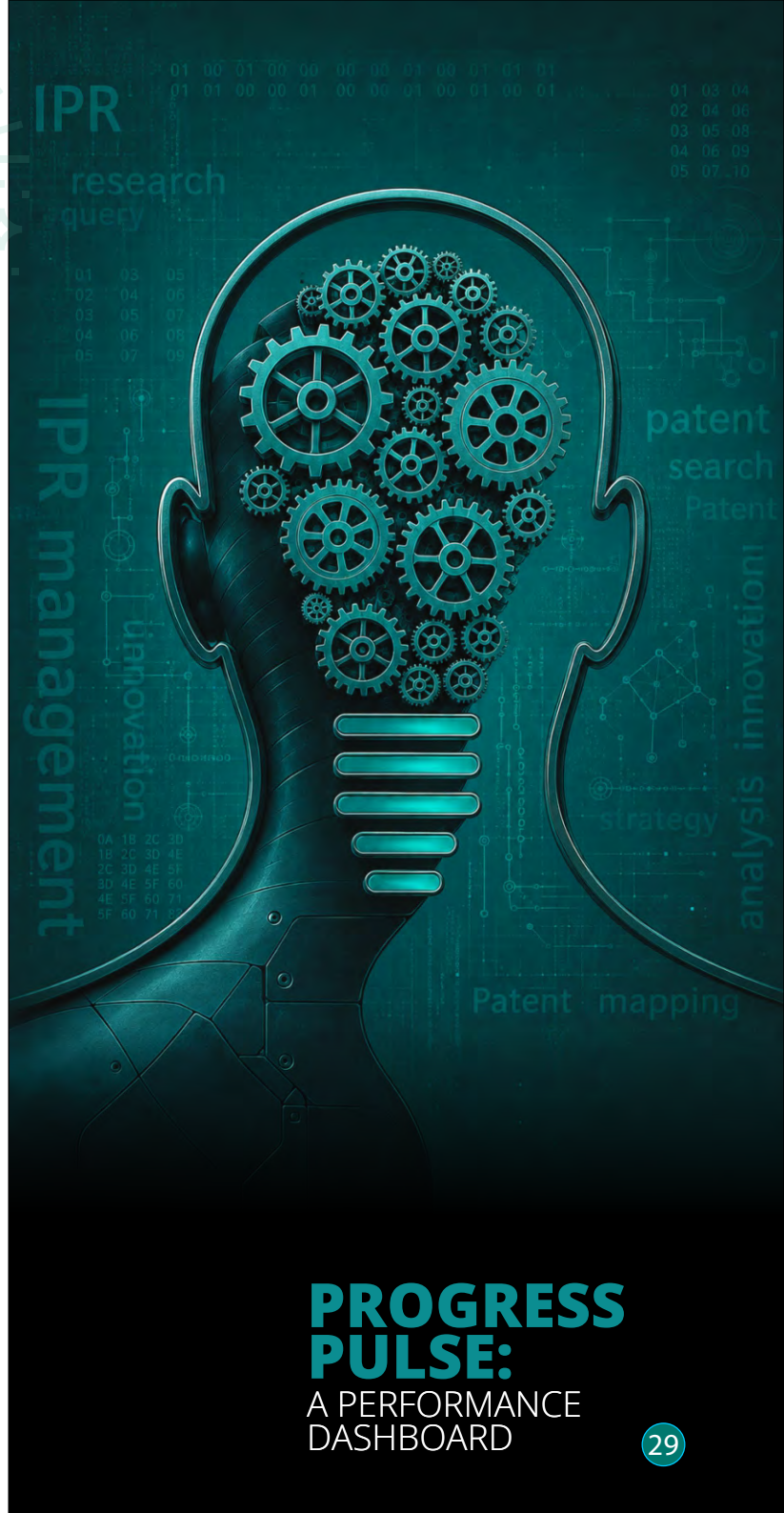


IPR PORTFOLIO

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

- Corporate IPR, C-DAC, in collaboration with the Confederation of Indian Industry (CII), organized an awareness session about Intellectual Property Rights on April 21, 2026, in Thiruvananthapuram. The programme was held in observance of World Intellectual Property Rights Day, which is marked each year on April 26.
- CDAC PUNE in association with the Ministry of Electronics and Information Technology (MeitY), Government of India has organised a one-day national conference on "From Patent to Product: Accelerating IP Commercialization in Electronics & IT" on 12th May 2026
- IP catalyst under C-DAC Pune has organised seminar on 'From Research & IP to Market-Ready Products' on May 21, 2026.

	IPR portfolio of C -DAC (Year 2013 to June 2026)				Quarterly IPR portfolio of C -DAC (Apr 2026 - June 2026)			
	Patents	Copyrights	Trademarks	Design	Patents	Copyrights	Trademarks	Design
Applied/Filed (Pending)	75	31	46	9	5	6	2	2
Granted/Registered	123	209	27	9	0	7	2	1
Total	198	240	73	18	5	13	4	3





MAJOR PROJECT PERFORMANCE/ STATISTICS

Chips to Start-up (C2S) Programme:

C2S Programme was initiated by MeitY from January, 2022 onwards with an aim to train about 85,000 specialized manpower over a period of 5 years in VLSI and embedded system design and leapfrog in ESDM space by way of inculcating 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, Cadredesign, Compcarta, AsterQuanta 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.

With the enablement of approximately 04 additional institutions for EDA tool support in the last quarter, the C2S Programme has now empowered a total of 320 institutions across the country - a noteworthy milestone in advancing and strengthening India's semiconductor design ecosystem.



**PROGRESS
PULSE:**
A PERFORMANCE
DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

ChipIN Centre successfully submitted 29 designs for tapeout to SCL for fabrication in May 2026 under MPW Shuttle-VII. 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.

AsterQuanta EDA tools were successfully onboarded and enabled for all participating institutions under C2S Programme during the last quarter, further strengthening the design ecosystem and expanding access to advanced EDA capabilities.

During the last quarter, over 550 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 of ChipIN support requests.

A total of 41 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.

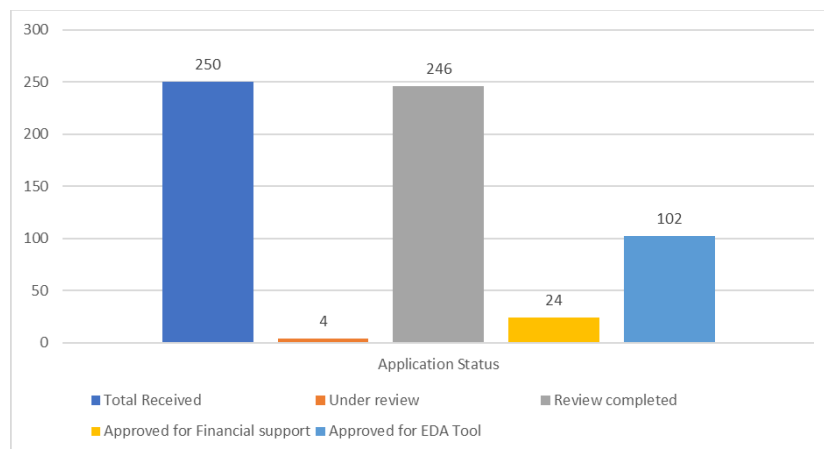
ChipIN Centre successfully organized two Instruction Enhancement Programmes (IEPs) to strengthen advanced technical competencies of participating institutions under C2S Programme. The first one was conducted by KLE Technological University, Bangalore (during April 2026) on "Advanced IC packaging". The second one was conducted by SVNIT Surat (During June 2026), focusing on "Digital Chip Design, Testing and Verification".



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.



DLI Applications	Proposals	
	PDLI/DLI	DIS (EDA tool grid)
Proposals Received	115	135
Evaluation Ongoing	00	04
Proposals Approved	24	102
Proposals Rejected	91	29

MAJOR PROJECT PERFORMANCE/ STATISTICS

Company Name	IPs Generated	Designs Taped Out	ASICs Fabricated	No. of Patents Filed
Netrasemi Pvt. Ltd.	20	3	3	2
Fermionic Design Pvt. Ltd.	12	1	1	0
Vervesemi Microelectronics Pvt. Ltd.	15	3	2	0
DV2JS Innovation LLP	0	2	0	0
Morphing Machines Pvt. Ltd.	0	0	0	0
Aheesa Digital Innovations Pvt. Ltd.	31	1	0	0
Calligo Technologies Pvt. Ltd.	1	1	1	5
Green Pmu Semi Pvt. Ltd.	17	5	0	1
Sensesemi Technologies Pvt. Ltd.	14	0	0	4
Moschip Technologies Limited	13	1	2	0
Wisig Networks Pvt. Ltd.	0	0	0	0
Mindgrove Technologies Pvt. Ltd.	39	0	0	0
Incore Semiconductors Pvt. Ltd.	10	2	0	0
Bigendian Semiconductors Pvt. Ltd.	1	1	0	0
Mbit Wireless Pvt. Ltd.	4	0	0	0
Sophrosyne Technologies Pvt. Ltd.	0	0	0	0
C2i Semiconductors Pvt. Ltd.	21	0	0	0
Mmrfic Technology Pvt. Ltd.	0	0	0	0
Multi Nano Sense Technologies Pvt. Ltd.	0	0	0	0
Aagyavision Pvt. Ltd.	0	0	0	3
Netrasemi Pvt. Ltd. (II)	3	1	0	0
Incise Infotech Limited	4	1	0	0
TOTAL	205	22	9	15



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 5100 accounts of government departments and agencies with over 7648 cr+ transactions are integrated with Mobile Seva platform.

Mobile Seva Platform		
	April 2012 - June 2026	April 2026 - June 2026
Accounts of Dept/Agencies integrated	5100	76
No of Push SMS Transaction	7648 Cr	240 Cr



MAJOR PROJECT PERFORMANCE/ STATISTICS

E-HASTAKSHAR / E-SIGN

As a key initiative under the Government of India's Digital India Programme, C-DAC has developed e-Hastakshar, an eSign service that enables citizens to digitally sign documents online in real time, offering a secure, legally valid, and convenient alternative to traditional handwritten signatures. The service has been extensively integrated with departments, ministries, and agencies across the Central Government, State Governments, and Union Territories, facilitating seamless digital service delivery and accelerating the adoption of paperless governance across the country.

C-DAC leverages the services of the Unique Identification Authority of India (UIDAI) for online authentication and Aadhaar-based eKYC. The e-Hastakshar service supports multiple Aadhaar authentication modes, including One-Time Password (OTP), Time-based One-Time Password (TOTP), Fingerprint, Iris, and Face Authentication (for mobile applications only), enabling secure, seamless, and real-time identity verification through UIDAI's eKYC services.

As of June 2026, C-DAC has issued over 44.22 crore e-Signs, and more than 355 government agencies are utilizing the eSign service at the production level. Recent organizations onboarded include the Central Silk Board, Bengaluru (Karnataka); Central Water and Power Research Station, Pune (Maharashtra); National Council of Educational Research and Training (NCERT), New Delhi; Department of Tourism, Ladakh; and the International Financial Services Centres Authority (IFSCA).

In addition, several prominent organizations, including the Tamil Nadu e-Governance Agency (TNeGA), Centre for e-Governance, Karnataka, Andhra Pradesh Information Technology (APIT), Election Commission of India (ECI) and the National Informatics Centre (NIC), are actively leveraging the e-Hastakshar (eSign) service in their production environments.

eSigns offered by C -DAC	
July 2016 - June 2026	April -June 2026
44.2 Crs	4.85 Crs



MAJOR PROJECT PERFORMANCE/ STATISTICS

AADHAAR DATA VAULT (ADV) SERVICE

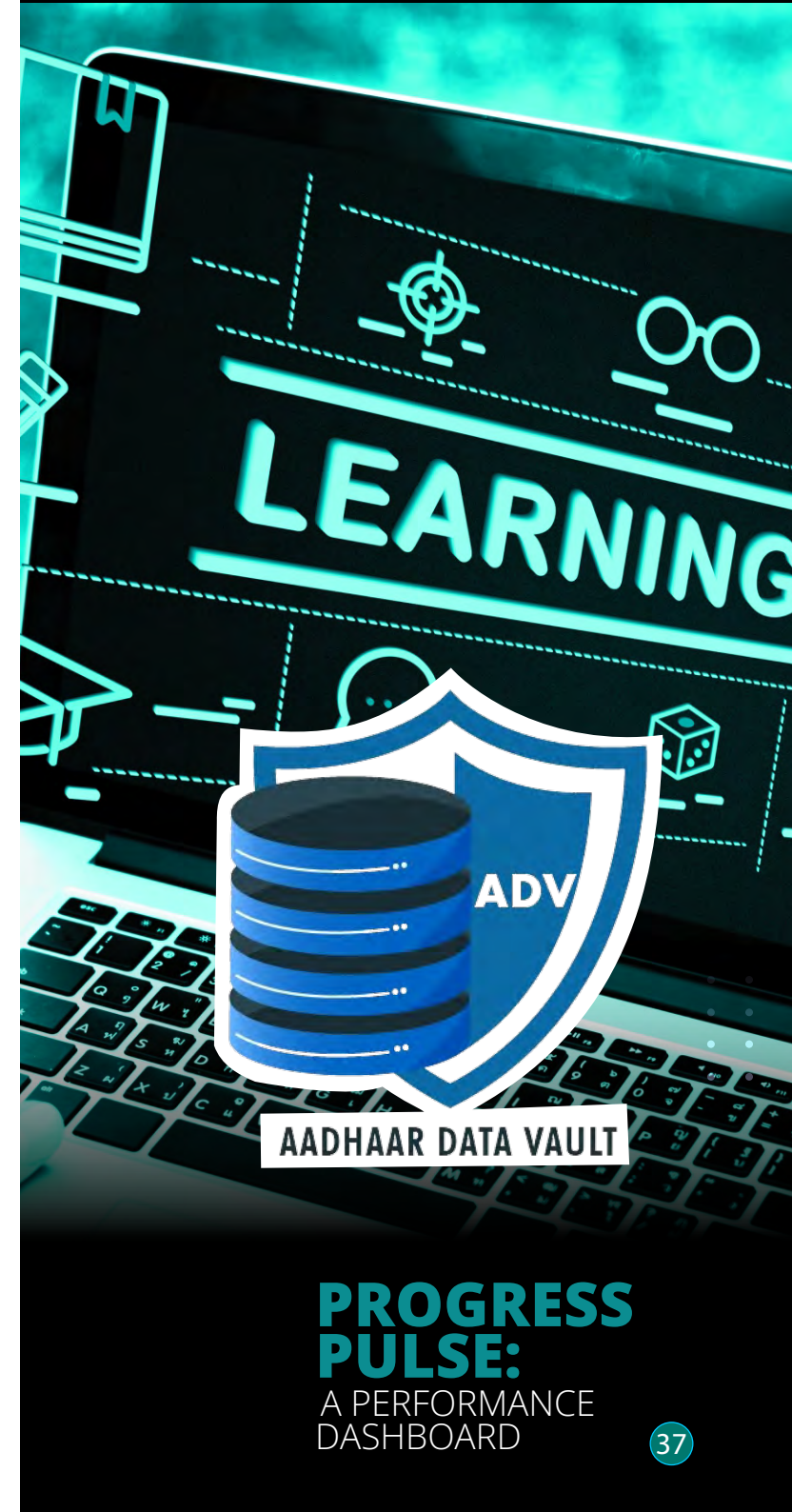
As digital governance continues to expand, safeguarding personal identity data has become a national priority. The Aadhaar number serves as a foundational identity across a wide range of citizen centric services, including beneficiary scheme disbursement, employee management, education, healthcare, welfare delivery etc. Its widespread and critical usage necessitates a robust framework that ensures security, privacy, and regulatory compliance at every stage of data handling.

Recognising this requirement, the Unique Identification Authority of India (UIDAI) mandates the secure storage of Aadhaar numbers in a dedicated repository known as the Aadhaar Data Vault (ADV). All government departments, public sector undertakings (PSUs), and authorised organisations that use Aadhaar in their application workflows are required to adopt this framework to protect citizens' Aadhaar numbers and prevent unauthorised access or misuse.

The Aadhaar Data Vault (ADV) is a national service designed and developed by C-DAC Mumbai, and is offered to government, PSU, and private entities. ADV provides a secure, scalable platform for the storage and management of Aadhaar numbers.

Beyond Aadhaar, ADV is also offered as a comprehensive solution for the secure storage and management of other Personally Identifiable Information (PII), such as PAN, Voter ID, Driving Licence, Passport numbers, and associated documentary proofs. This enables the creation of a unified, secure, and governed identity data ecosystem in line with national digital transformation objectives

Component	Details (April 2026 – June 2026)	Details (since inception till Jun 2026)
Total Transactions	205 Crore	675 Crore



**PROGRESS
PULSE:**
A PERFORMANCE
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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 140,500 spokes to more than 18,900 hubs, with additional extensions to over 321 correctional facilities. It is supported by over 2.36 lakh doctors, specialists, and healthcare professionals across all States and Union Territories. Till June 2026, eSanjeevani has facilitated over 48.22 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 15 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.

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.



MAJOR PROJECT PERFORMANCE/ STATISTICS

ESANJEEVANI

eSanjeevani Usage Report				
	November 2019 - June 2026		April 2026 - June 2026	
	Total Tele - Consultations	Registered Doctors	Total Tele - Consultations	Registered Doctors
eSanjeevaniAB -AAM	46,90,43,398	63,320	2,15,50,584	2,545
eSanjeevaniOPD	1,31,87,705	14,179	1,17,703	565
eSanjeevani	48,22,31,103	77,499	2,16,68,287	3,110



MAJOR PROJECT PERFORMANCE/ STATISTICS

ERSS 2.0- EMERGENCY RESPONSE SUPPORT SYSTEM (ERSS-112)

The Emergency Response Support System (ERSS-112), India's unified emergency response platform, continues to provide timely assistance to citizens through advanced technology and multiple communication channels. Along with Voice Calls, SOS, SMS, Email, and Web, the enhanced ERSS 2.0 also enables citizens to report emergencies through WhatsApp, Chatbots, IoT alerts, and Media Crawling, making emergency services more accessible and responsive.

ERSS 2.0 is equipped with several intelligent features, including automatic multilingual voice transcription, face recognition, voice-based gender identification, caller location identification using LBS/ELS, and video/data calling between Dispatchers & Emergency Response Units (ERUs), interoperability between states/helplines, Advanced AI Analytics. These capabilities help emergency responders assess incidents quickly and improve the overall response process.

During the period from April to June 2026, ERSS handled 2.07 crore emergency calls across the country while maintaining an average national response time of 10 minutes and 53 seconds. The continued adoption of advanced technologies is strengthening India's emergency response system and enhancing the safety and security of citizens.



MAJOR PROJECT PERFORMANCE/ STATISTICS

ERSS 2.0- EMERGENCY RESPONSE SUPPORT SYSTEM (ERSS-112)

Call Statistics: April 2026 to June 2026		
State	Received Calls	Average Response Time
Andaman and Nicobar Islands	11,394	9m 26s
Andhra Pradesh	9,51,466	8m 44s
Arunachal Pradesh	39,194	10m 19s
Assam	5,50,293	28m 44s
Bihar	55,54,546	9m 41s
Chandigarh	81,784	4m 37s
Chhattisgarh	8,75,125	18m 38s
Dadra, Daman & Diu	23,822	4m 34s
Delhi	1,65,997	9m 39s
Goa	52,580	8m 7s
Haryana	15,33,298	13m 11s
Himachal Pradesh	1,94,794	3m 27s
Jammu and Kashmir	4,91,435	8m 45s
Jharkhand	13,24,497	9m 39s
Karnataka	17,86,736	13m 10s
Kerala	4,86,037	9m 43s
Ladakh	8,419	15m 20s
Lakshadweep	186	3m 12s
Manipur	26,531	8m 51s
Meghalaya	45,096	15m 15s
Mizoram	17,978	8m 54s
Odisha	10,35,495	16m 36s
Puducherry	27,384	11m 39s
Punjab	10,25,861	10m 20s
Sikkim	13,353	15m 9s
Tamil Nadu	8,20,396	11m 48s



MAJOR PROJECT PERFORMANCE/ STATISTICS

NHSRC PROJECT – QUALITY CERTIFICATION SYSTEM FOR PUBLIC HEALTH FACILITIES

NHSRC Project is a flagship initiative undertaken by C-DAC 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.

	States On-Boarded	User Registration	External Assessors On-Boarded	NHSRC Consultant	Facilities	State Users
July-2023 to June-2026	36	90566	2464	75	86862	1165
April 2026 - June 2026	36	4840	58	3	4764	15



**PROGRESS
PULSE:**
A PERFORMANCE

MAJOR PROJECT PERFORMANCE/ STATISTICS

MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES (MUHS) – UNIVERSITY AUTOMATION SYSTEM

MUHS Project, undertaken by C-DAC Noida, focuses on end-to-end digital transformation of academic, administrative, and regulatory processes at the Maharashtra University of Health Sciences (MUHS). The project encompasses the design and development of a comprehensive University Automation System covering modules such as Admissions, Eligibility, PhD, SIP, Court Cases, HR, Affiliation, and more. Built from the ground up, the system is tailored to the unique functional workflows of MUHS, ensuring efficiency, transparency, and ease of use for all stakeholders. With active engagement from university departments and continuous collaboration, the project has already achieved significant milestones, with several modules successfully made live. Ongoing efforts are now directed toward completing the remaining components and addressing department-specific requirements to fully operationalize the entire system.

Particulars	Details
No. of Modules	12
Colleges On Boarded	952
University Employees On Boarded	704
Teachers On Boarded	25,911
Students On Boarded	3,19,134





MAJOR PROJECT PERFORMANCE/ STATISTICS

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

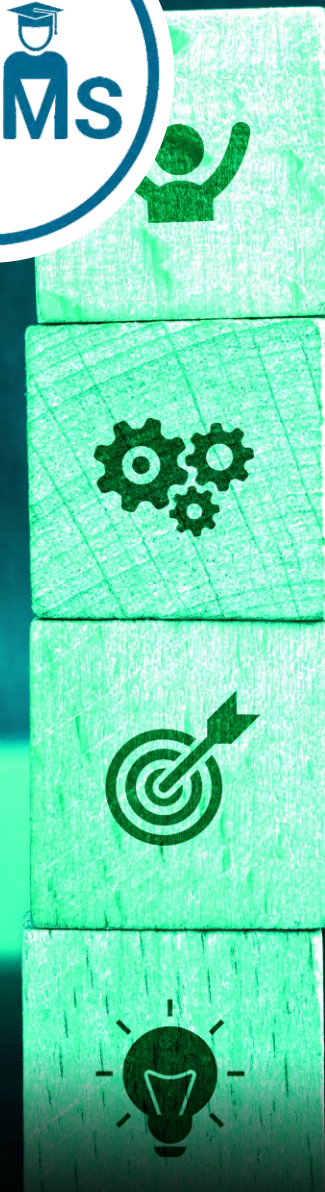
e-SLCMS is a cutting-edge web application designed to manage the entire journey of a student within a health education institute. It covers every phase, from admissions to alumni engagement, offering a centralized platform to integrate isolated departmental functions.

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.

Usage details of e-SLCMS are as below:

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), Bhubaneswar	2	4	17	1033	580	112	18
Ispat General Hospital, Steel Authority of India Limited (SAIL) Rourkela, Odisha	2	4	38	349	307	6	5
Mahatma Gandhi Institute of Medical Sciences (MGIMS), Wardha, Maharashtra	3	25	25	5164	637	15	22
Directorate of Medical Education & Research (DMER), Maharashtra	65	22	78	18800	6500	229	30



PROGRESS PULSE:
A PERFORMANCE DASHBOARD

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, 61,651 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 Highlights (1st Quarter of 2026-27: Apr 2026 – June 2026)

Category/ Activity	Agency	1 st April 2024 - 31 st March 2026	1 st April 2026 - 30 th June 2026	Total Achievement
Government Training – Advanced	C-DAC/ NIELIT	9,918	717	10635
Government Training - Basic		9,659	922	10581
Bootcamp		38,900	1535	40435
TOTAL LEARNERS		58,477	3,174	61651

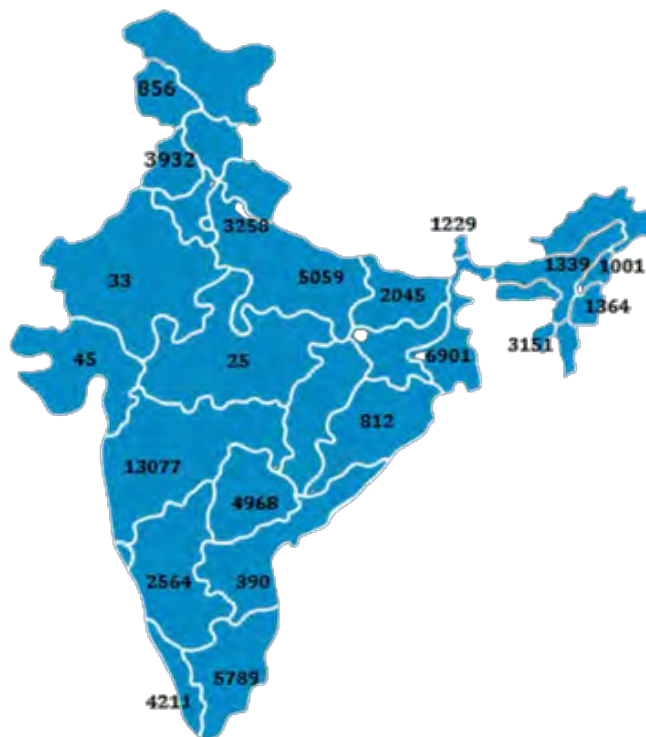


PROGRESS PULSE:
A PERFORMANCE DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

Over 68+ webinars have been conducted, 89+ PSUs have undergone skilling, and 75+ universities have been engaged till date.

States	No of Learner's certified under FSP
Maharashtra	12687
West Bengal	6901
Telangana	4968
Punjab	3932
Uttar Pradesh	5059
Tamil Nadu	5789
Delhi	3258
Tripura	3151
Kerala	4211
Karnataka	2564
Bihar	2045
Manipur	1364
Sikkim	1229
Nagaland	1001
Jammu & Kashmir	856
Assam	1339
Odissa	812
Andhra Pradesh	390
Gujarat	45
Rajasthan	33
Madhya Pradesh	25



**PROGRESS
PULSE:**
A PERFORMANCE
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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

Integration Pharmaceuticals Database Management System, IPDMS 2.0		
Activities done by Pharma/Medical Devices Companies & NPPA	till 30 th June 26	April 2026 - June 2026
Total Companies (Drugs & Medical Devices) Registered in the IPDMS 2.0	3225 (1951 - Drugs, 1274 - Medical Devices)	273 (241 - Drugs, 32 - Medical Devices)
Number of Manufacturing Unit verified by the companies	10659	570
Number of Drugs verified by companies	75725	2815
Medical Devices Plant Registered	1653	478
Medical Devices Registered	240475	18893
Quarterly Stock Collection	33808	2537
State Pricing Monitoring Resource Unit (PMRU) registered.	33	0
Form-I (Application for Price Fixation) Submitted	1331	153
Form-II (Submission of Revised Prices) Submitted	34780	9936
Form-III (Quarterly Return) Submitted	102347	8442
Form-IV (Discontinuation of Production) Submitted	174	7
Form-V (Price List) Submitted	169937	14690
Form – VI (Medical Devices) Submitted	218651	31862
Complaints Registered through Web and Mobile Apps	8856	496
Legal Cases Registered for Overcharging	910	23

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.



**PROGRESS
PULSE:**
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MAJOR PROJECT PERFORMANCE/ STATISTICS

CYBER SHAKTI

CDAC 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.

Details of participants who attended the capacity building activities so far:

Project Activity	No of women participants
Half-Day workshops	573
Beginner Level Online Training Programme	715
Advanced Level Residential Programme	211

Details of participants who attended the capacity building activities from April to June 2026

Project Activity	No of women participants
Half-Day workshops	96
Beginner Level Online Training Programme	157
Advanced Level Residential Programme	77



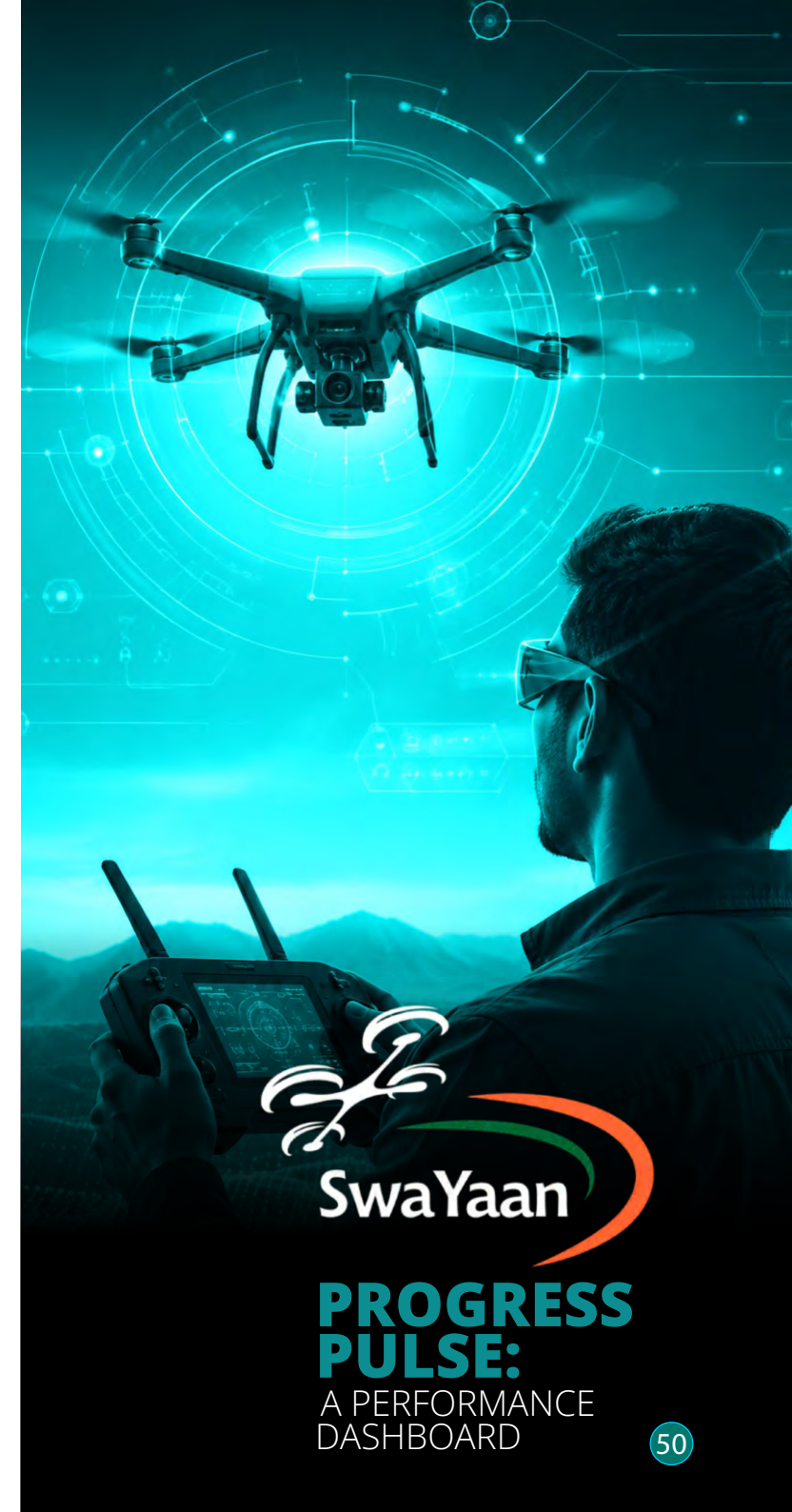
MAJOR PROJECT PERFORMANCE/ STATISTICS

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

The project titled '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, CDAC & 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, 1178 activities have been conducted nationwide, encompassing academic, research & innovation, skilling & training, and other knowledge-sharing initiatives. These efforts have benefited 51,168 participants, accelerating India's progress toward becoming a global drone hub by 2030.



**PROGRESS
PULSE:**
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MAJOR PROJECT PERFORMANCE/ STATISTICS

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

Major Highlights

- In the second quarter of 2026, SwaYaan conducted over 21 activities across 14 programme categories, benefiting more than 750+ individuals and reaching a cumulative total of over 51,100+ beneficiaries to date.
- Hon'ble Union Minister Shri Ashwini Vaishnaw, Union Minister for Railways, Information and Broadcasting, and Electronics & Information Technology, visited MNIT Jaipur and witnessed live demonstrations of advanced drone technologies at the Drone Lab, showcasing the innovative capabilities and research initiatives under the SwaYaan programme.,

Research & Innovation

- The proposal for the National Innovation Challenge for Drone Application and Research (NIDAR) 2026-27, to be conducted by the Drone Federation India (DFI), has been approved, featuring three problem statements: NIDAR RescueSwarm, NIDAR AirMouse, and NIDAR VEGA Pilot.
- A total of 38 new Proof-of-Concept (PoC) proposals are under development, involving over 270+ participants.

Academic Activities

- Two new Open Online Courses were introduced by IISc Bangalore and IIIT Hyderabad, titled AI-Driven Perception, Learning and Mapping for Drones and Principles of Perception and Planning for Aerial Vehicles.
- Two Faculty Development Programmes (FDPs) were conducted by IIT Bombay with participation from over 60 faculty members and researchers.

Training & Skilling

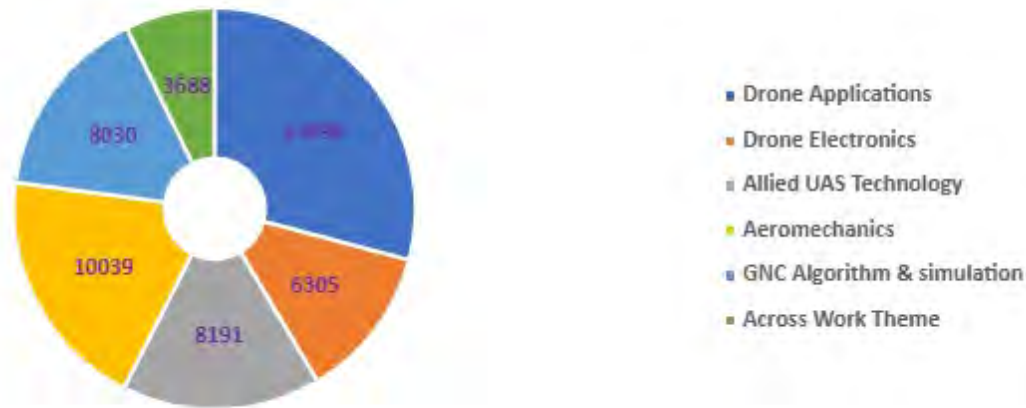
- A total of 16 bootcamps on Drone/UAS technologies were conducted across 10 cities, with participation from over 750+ students.
- Three new job-role-based skilling courses- 'Drone-Based Telecom Operations', 'Radio Frequency Engineer & Drone-Based Surveys', and 'Telecom Infrastructure Inspection Engineer (Drone-Based)' - as developed by the Telecom Sector Skill Council (TSSC), are under development.



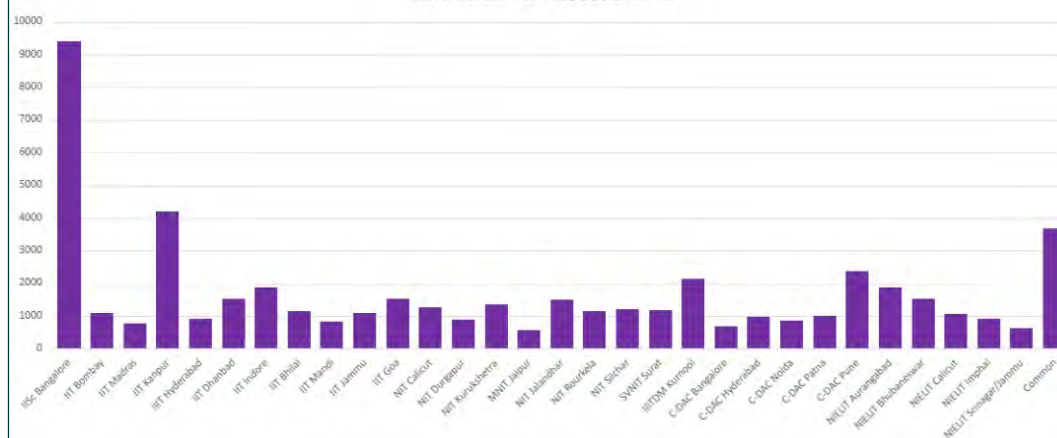
MAJOR PROJECT PERFORMANCE/ STATISTICS

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

Beneficiaries across Project Work Theme



Institutional Involvement



MAJOR PROJECT PERFORMANCE/ STATISTICS

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

The Information Security Education and Awareness (ISEA) Project Phase-III is a flagship initiative of the Ministry of Electronics and Information Technology (MeitY), Government of India. The project is being implemented by C-DAC Hyderabad in collaboration with more than 50 premier institutions across the country to strengthen the cybersecurity ecosystem by developing skilled human resources and fostering a safe, trusted, and secure cyberspace.

The project aims to create a pool of approximately 2.75 lakh trained human resources in the field of Information Security. This includes the development of 45,000 skilled and certified cybersecurity professionals, comprising Chief Information Security Officers (CISOs), Deputy CISOs, aspiring CISOs, and their associate teams. Additionally, around 2.3 lakh undergraduate and postgraduate students, research scholars, faculty members, and other learners will be trained through a range of formal and non-formal academic, training, and innovation-oriented programmes. Under its Mass Awareness component, the project also seeks to reach more than 12 crore beneficiaries through a wide range of cybersecurity awareness initiatives conducted in both direct and indirect modes, promoting cyber hygiene and safe digital practices among citizens.

The ISEA Project Phase-III is implemented through a nationwide network of over 50 leading institutions, including selected Indian Institutes of Technology (IITs), National Institutes of Technology (NITs), Indian Institutes of Information Technology (IIITs), C-DAC and NIELIT centres, and other premier technical universities across India. Key highlights of the project are as follows:

- Training/Certification of Chief Information Security Officers (CISOs): The training program for government and industry professionals was launched in January 2025. So far, 1,303 professionals have been enrolled/trained, and 355 professionals certified. Additionally, 753 professionals trained across specialized cyber security domains in 27 training programs.



MAJOR PROJECT PERFORMANCE/ STATISTICS

- Academic activities: 68,854 candidates trained in various formal/non-formal courses, innovation and other activities in Information Security.
- Mass Awareness: So far, 6,787 awareness workshops conducted across the country covering over 11.25 lakh participants, including school/colleges students, teachers, law enforcement agencies, government employees and general public. Around 20 crores estimated beneficiaries covered through indirect mode.

Key Highlights of 1st Quarter (April to June 2026)

1. Training/Certification of Chief Information Security Officers (CISOs): Program Certification Milestones

- 3rd Final Certification Exam held on 18th April 2026 across seven C-DAC centres nationwide.
- The total number of Certifications from the November 2025 and April 2026 exam cycles pushed total certifications up to 355 — a jump from existing 232.
- 23 sector-specific specialized training and certification programs announced for the full calendar year through March 2027.

Specialized Trainings

- Completed a dedicated IoT/IloT training (9–12 June 2026, C-DAC Hyderabad) with 14 officials certified
- Delivered a five-day cybersecurity training program for IRISSET officials, Ministry of Railways, with 44 participants receiving certificates (8–12 June 2026)
- Upcoming specialized tracks planned in BFSI (Level 2), OT/ICS, and Telecom

Institutional Expansion

- Initiated with Onboarding the major PSUs including HPCL, GAIL, OHPC Orissa, and others (EPFO & CISF) — broadening the program's footprint across critical infrastructure sectors



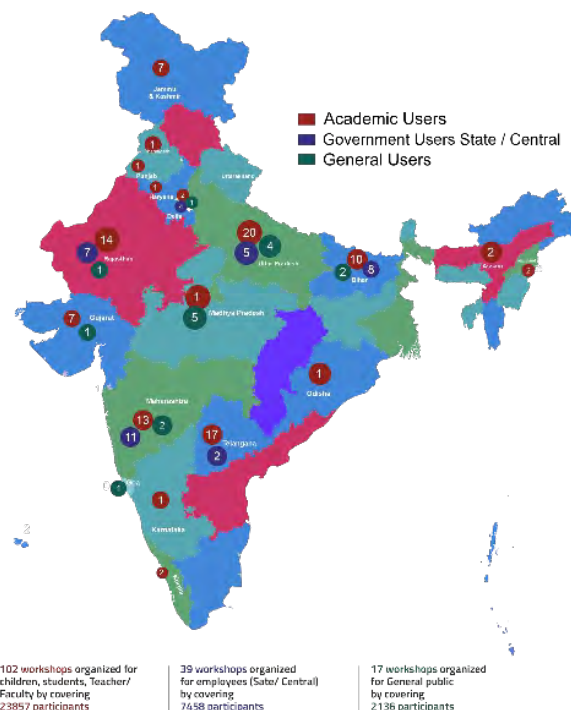
**PROGRESS
PULSE:**
A PERFORMANCE
DASHBOARD

MAJOR PROJECT PERFORMANCE/ STATISTICS

2- Mass Awareness Programme

Under the Mass Awareness Programme, "Cyber Aware Digital Naagrik", implemented as part of the Information Security Education and Awareness (ISEA) Programme – Phase III, a total of 158 awareness workshops, online webinars, and training programmes were organized between April 2026 and June 2026, reaching 33,451 participants. The details are as follows.

- 102 workshops to students, teachers and faculty organized by covering 23,857 participants
- 39 workshops organized to employees by covering 7,458 participants
- 17 workshops organized to general public by covering 2,136 participants



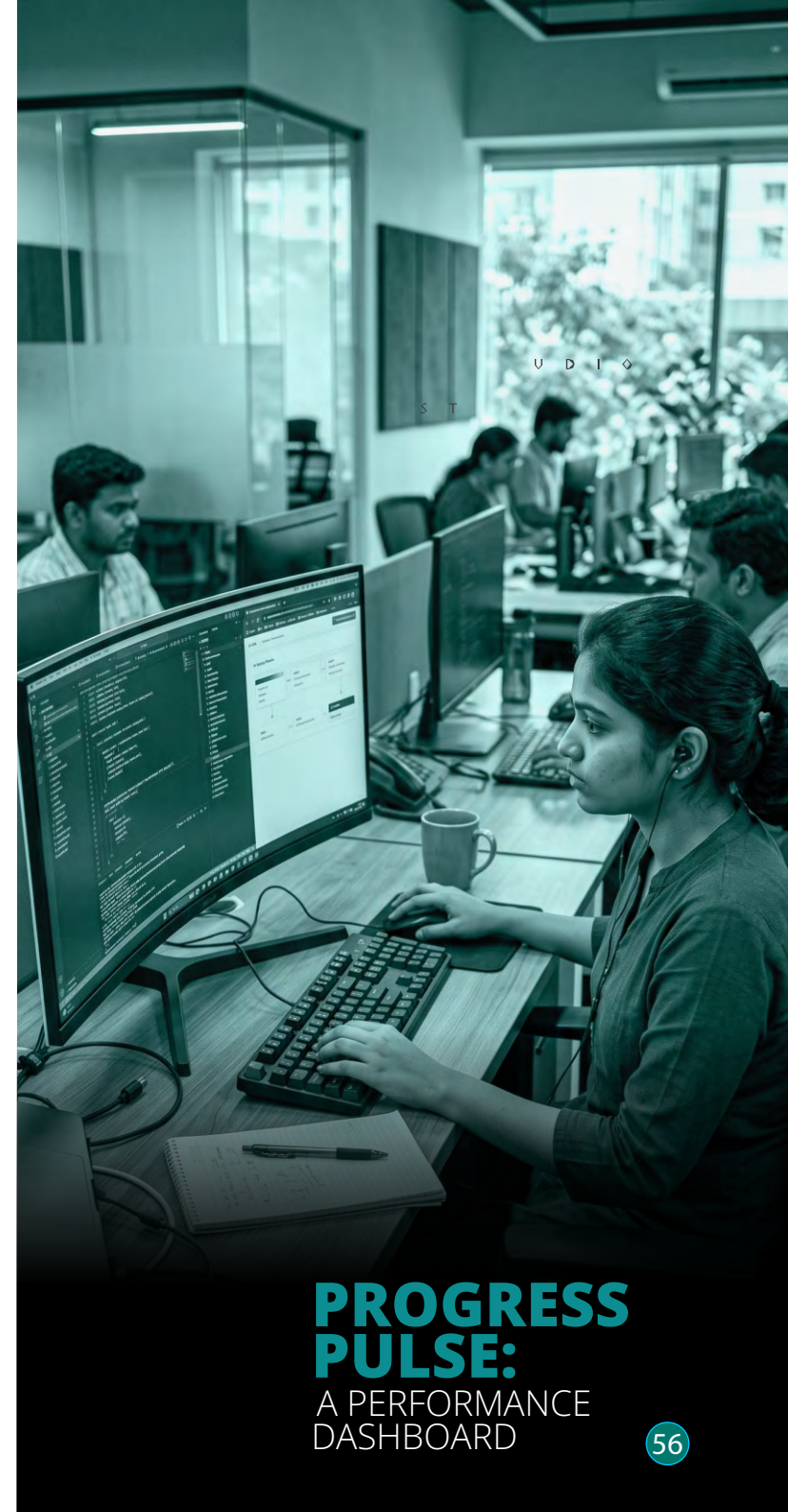
MAJOR PROJECT PERFORMANCE/ STATISTICS

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.

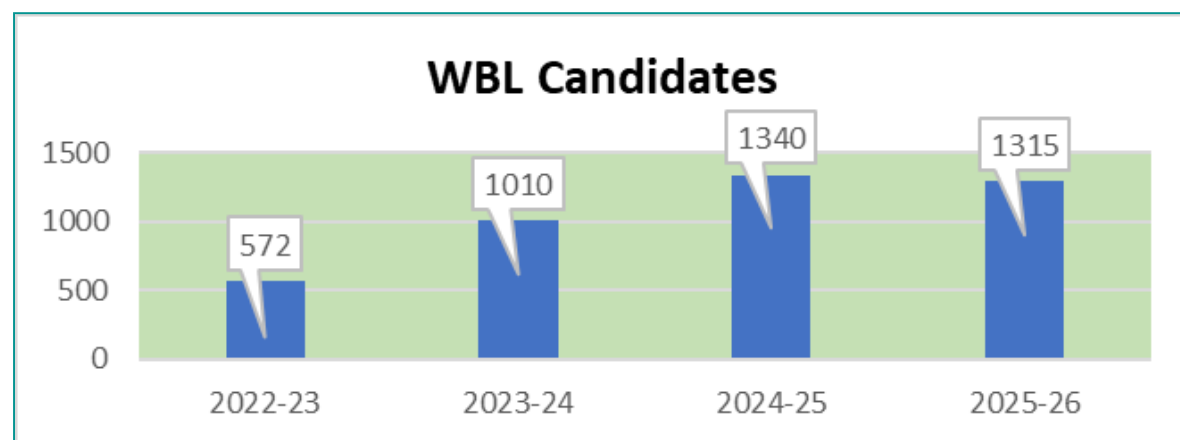
The Work Based Learning (WBL) Programme, approved on March 9, 2022, is a transformative initiative designed to empower fresh graduate engineers from Scheduled Caste (SC), Scheduled Tribe (ST), Women, and Economically Weaker Section (EWS) communities. This program provides hands-on practical experience 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.

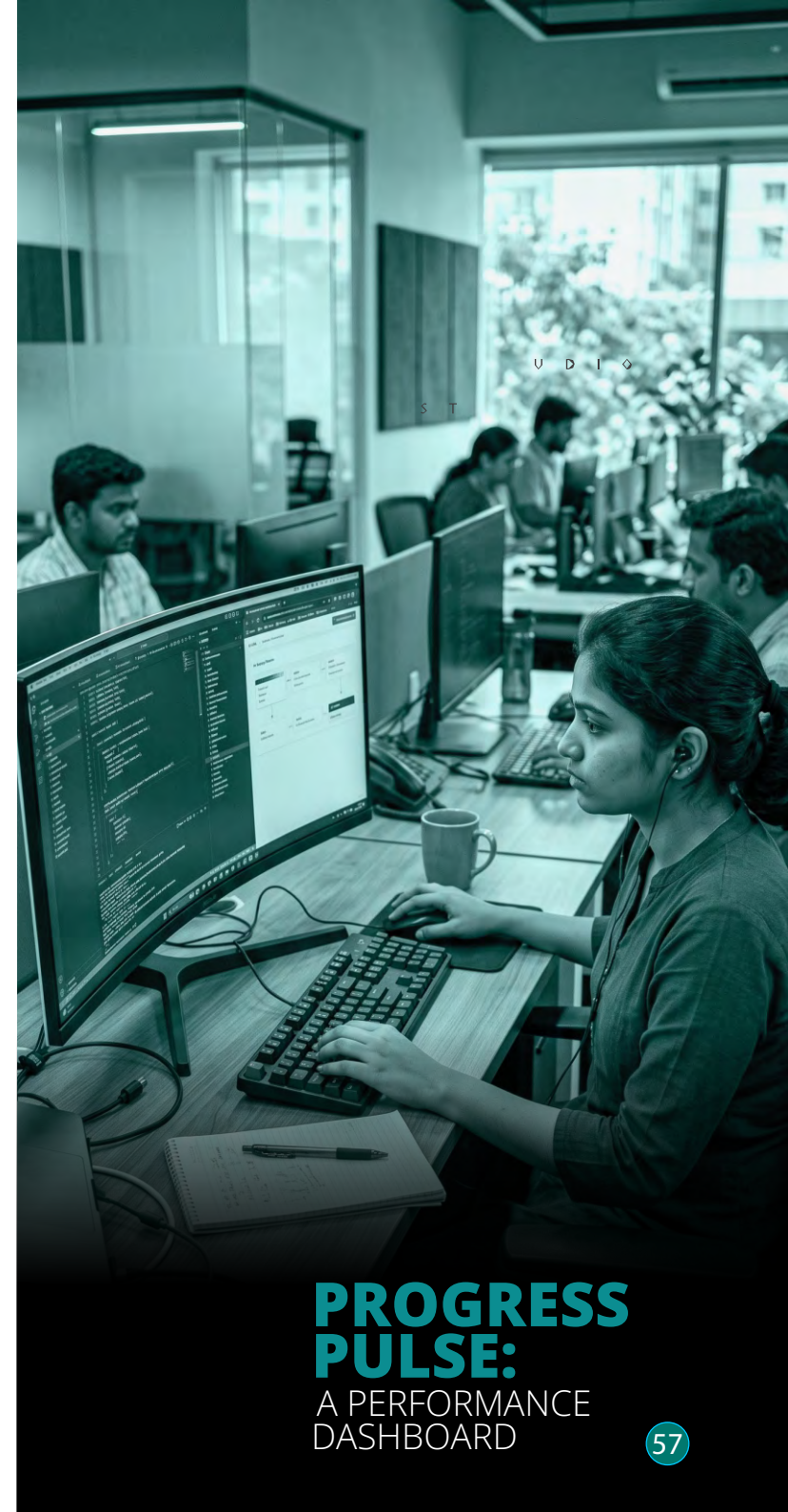


MAJOR PROJECT PERFORMANCE/ STATISTICS

The Programme targets candidates from SC, ST, Women, and Economically Weaker 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. As of now, 4237 are enrolled and a total of 2880 candidates have completed their tenure, and more than 750 candidates have been placed under Work Based Learning (WBL) Programme.



Enrolled Candidates	Apr 2022 - June 2026	Apr 2026 – June 2026
SC	1283	15
ST	755	00
EWS	758	00
Women	1441	09
Total Candidates	4237	24



MAJOR PROJECT PERFORMANCE/ STATISTICS

CENTRE OF EXCELLENCE (COE) AT MCTE, MHOW, MADHYA PRADESH

C-DAC has established Centre of Excellence (CoE) at MCTE, Mhow, Madhya Pradesh. This CoE aimed at driving research, development, and deployment of futuristic technologies that go beyond existing capabilities and to foster collaboration in research and development in niche technology domains with direct military applications which aims for the development of indigenous solutions under the Atmanirbhar Bharat and Digital India initiative.

The Centre of Excellence (CoE) facility at MCTE, Mhow, Madhya Pradesh, has been fully developed and made operational to support training, research, and capacity-building activities. 2-Petaflop High-Performance Computing (HPC) Data Centre at MCTE, Mhow under the National Supercomputing Mission (NSM), is being established and will be operational shortly to support advanced research, simulation, AI, and defence related computing requirements. Initiated activated towards "Setting up of Nodal Centre(s) of Excellence for Cyber Security and Cybertronics" at MCTE and Guwahati/Kolkata for Capacity and Capability Building activities in emerging IT/ICT and OT for Defence and Strategic Agencies personnel from MeitY.



MAJOR PROJECT PERFORMANCE/ STATISTICS

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.

During the period, MDCoE has initiated activities towards implementation of the Centralized Face Biometrics-Based Attendance System (CAS 2.0) for Directorate General of Shipping (DGS) and its associated offices and Ship Security Alert System (SSAS) including integration with the IFC-IOR system. National Digital Twin Framework for Major Ports in collaboration with NTCPWC and AI Roadmap for Maritime Sector is being evolved for various ports. Also, prepared Integrated Gate automation framework which was approved by Ministry of Ports Shipping and waterways and guidelines issued to all the ports and state maritime boards for implementation. Implementation of Integrated Gate automation framework started at Chennai Port through MDCoE.





TECH ROLLOUTS

SYSTEM/ PRODUCT/ SERVICES LAUNCH/ RELEASE

TECH ROLLOUTS

INAUGURATION OF CG DIAL 112 BY HON'BLE UNION HOME MINISTER
SHRI AMIT SHAH



The advanced ERSS 2.0 platform, developed by C-DAC, Thiruvananthapuram, achieved two major milestones with its successful deployment in Chhattisgarh and the National Capital Territory of Delhi. The Next Gen CG Dial-112 platform was inaugurated by Hon'ble Union Home Minister, Shri Amit Shah in Raipur on May 18, 2026, marking a major step towards strengthening technology-driven emergency response services in the state.

TECH ROLLOUTS

LAUNCH OF AUTONOMOUS BATHYMETRIC SURVEY VESSEL



Hon'ble Union Minister Dr. Jitendra Singh formally launched the Autonomous Bathymetric Survey Vessel for Advanced Glacial Lake Profiling (ABSV-AGLP) during a function held on May 11, 2026 National Technology Day 2026, at New Delhi. Other distinguished dignitaries present at the event included Prof. Ajay Kumar Sood, Principal Scientific Adviser to the Government of India, Prof. Rajesh Sudhir Gokhale, Secretary, Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India & Shri Sudeep Shrivastava, Joint Secretary, MeitY, Government of India.

TECH ROLLOUTS

LAUNCH OF IP CATALYST AND DIGITAL PLATFORM



During the inaugural session of National Conference on “From Patent to Product: Accelerating IP Commercialization in Electronics & IT” on May 12, 2026, IP Catalyst initiative along with its digital platform (<https://cipie.in>) was formally launched by Shri S. Krishnan, Secretary, MeitY, in the presence of Shri Amitesh Kumar Sinha, Additional Secretary, MeitY & CEO, India Semiconductor Mission, Smt. Sunita Verma, Group Coordinator & Scientist G, MeitY Prof. (Dr.) Unnat P. Pandit, Registrar of Copyrights, CGPDTM, DPIIT, Ministry of Commerce & Industry, and Shri Sanjay Wandhekar, Sc-G & Centre Head, CDAC Pune along with senior government officials and key stakeholders.

TECH ROLLOUTS

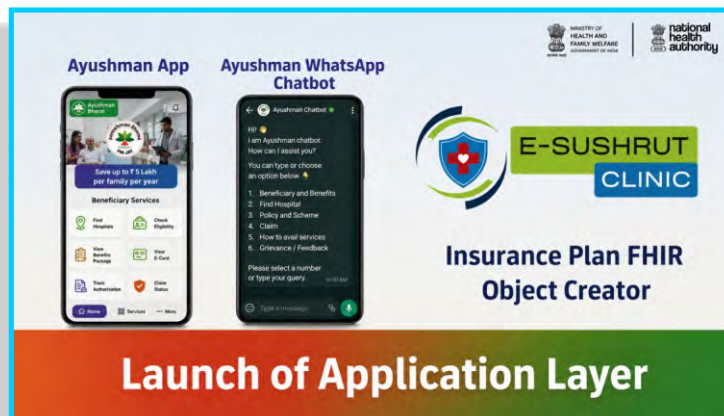
LAUNCH OF "SATYA AURA," A SMART BROWSER-BASED ACCESSIBILITY SOLUTION



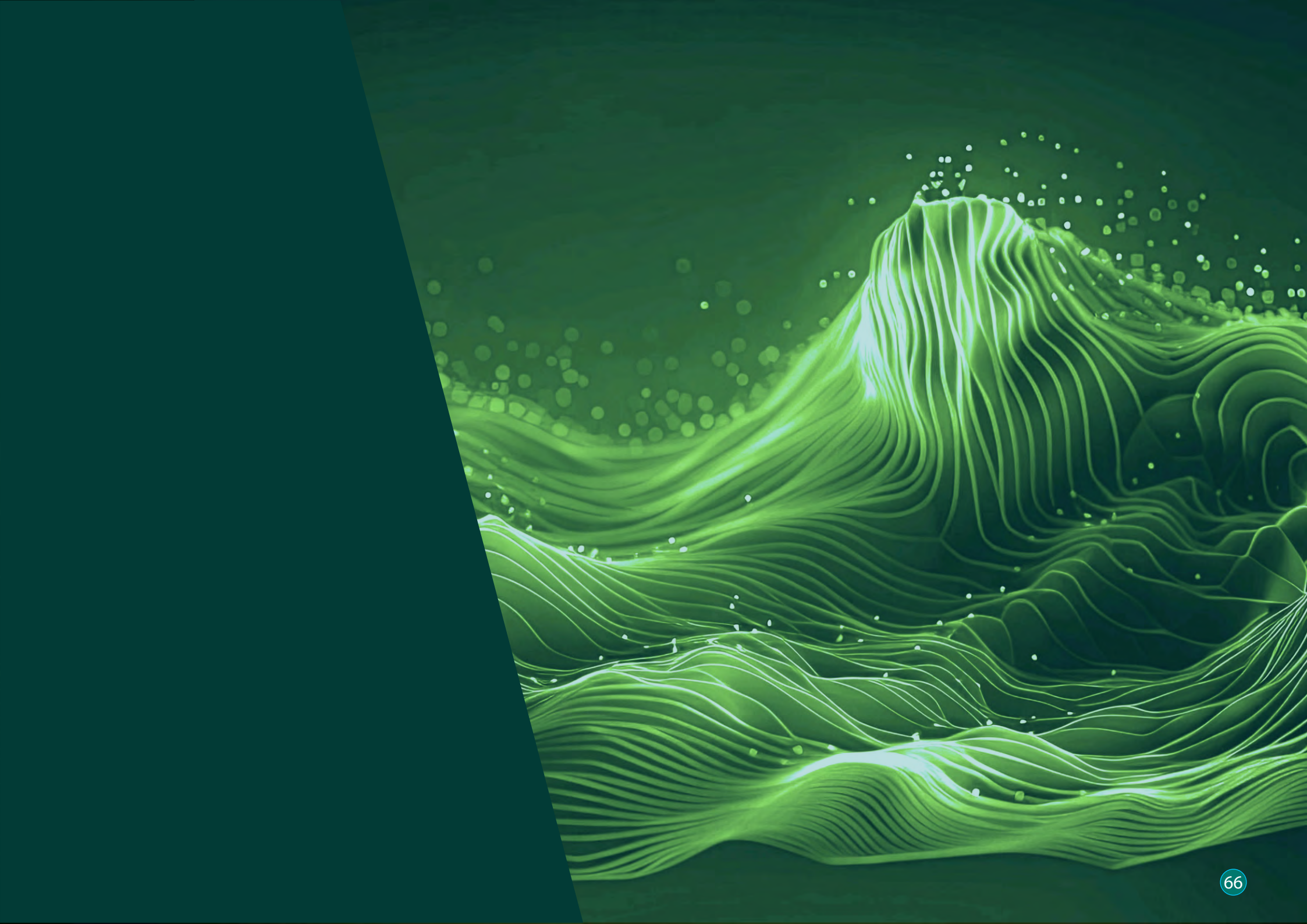
Hon'ble Union Minister of State in the Ministry of Electronics and Information Technology and Ministry of Commerce and Industry, Shri Jitin Prasada, launched "SATYA AURA," a smart browser-based accessibility solution designed to make websites accessible and user-friendly for end users during his visit to C-DAC Mumbai on May 13, 2026. The solution caters to individuals with visual, cognitive, motor, auditory, neurological, and age-related accessibility needs, including senior citizens

TECH ROLLOUTS

LAUNCH OF E-SUSHRUT CLINIC AND ABDM DRUG REGISTRY



In a significant step towards strengthening India's digital health ecosystem, Union Minister for Health & Family Welfare and Chemicals & Fertilizers, Shri Jagat Prakash Nadda, launched a series of digital initiatives for the health sector on, June 29, 2026, at Vigyan Bhawan, New Delhi, organized by the National Health Authority (NHA). Multiple key products and services developed by C-DAC have been launched as part of these initiatives.



INTERNATIONAL OUTREACH





INTERNATIONAL OUTREACH

EMPOWERING MYANMAR'S CYBER SECURITY ECOSYSTEM



C-DAC Delhi successfully conducted the 2nd Faculty Development Programme (FDP) on Cyber Security at the India–Myanmar Centre for Enhancement of IT Skills (IMCEITS), University of Information Technology (UIT), Yangon, Myanmar from May 04-08, 2026 under the ongoing India–Myanmar ICT capacity building cooperation initiative supported by the Government of India. A total of 80 participants from 9 leading universities and institutions across Myanmar benefited from the five-day intensive training programme.

INTERNATIONAL OUTREACH

BUILDING GLOBAL QUANTUM EXPERTISE



C-DAC Delhi concluded Certificate Course in Quantum Computing, organized under the Indian Technical and Economic Cooperation (ITEC) Scheme of the Ministry of External Affairs (MEA), Government of India. The intensive training programme was conducted from June 01 to 12, 2026 and brought together 14 participants from 8 countries: Sierra Leone, Dominican Republic, Cambodia, Sri Lanka, Mauritius, Uzbekistan, Vietnam, and Zimbabwe

INTERNATIONAL OUTREACH

CENTRE OF EXCELLENCE IN SOFTWARE DEVELOPMENT AND TRAINING (CESDT) IN VIETNAM



C--DAC handed over Centre of Excellence in Software Development and Training (CESDT) in Vietnam during VIETNAM - INDIA INNOVATION FORUM on May 06, 2026 at Delhi.

INTERNATIONAL OUTREACH

INDIA – VANUATU CENTRE OF EXCELLENCE IN IT (CEIT) AT PORT VILA



India – Vanuatu Centre of Excellence in IT (IV-CEIT) has been formally handed over by C-DAC to Vanuatu Institute of Technology (VIT), Port Vila, Vanuatu on June 30, 2026.

INTERNATIONAL OUTREACH

SPECIALISED PROGRAMME ON BIG DATA ANALYTICS



C-DAC, Noida organised two iterations of Specialised Programme on Big Data Analytics for total of 44 members from Botswana, Cambodia, Cote D'ivoire, Ethiopia, Ghana, Indonesia, Kenya, Kyrgyzstan, Malawi, Mauritius, Mozambique, Mongolia, South Sudan, Sierra Leone, Sri Lanka, Thailand, Tunisia, Uzbekistan, Zambia during April 08-21, and June 10- 23, 2026 respectively. It was offered under ITEC scheme of Ministry of External Affairs, Govt. of India.

The background is a dark teal color. On the right side, there is a close-up of a silver microphone with a mesh grille. To the left of the microphone, there are several overlapping triangles in various shades of teal and cyan, some pointing left and some right, creating a dynamic, abstract pattern. In the bottom right corner, the word "EVENTS" is written in large, bold, white capital letters.

EVENTS



Partnership between C-DAC, India and G-42, UAE



India & UAE Accelerate the Future of **AI Computing**

Moving together towards **next-generation computing** with :

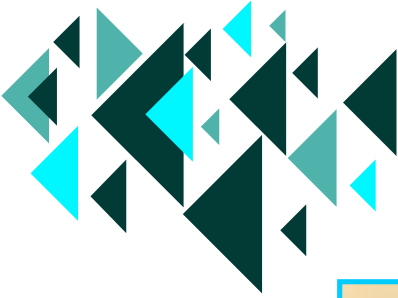
- C-DAC India × G42 UAE
- 8 Exaflop Super Compute Cluster
- Advancing AI & High-Performance Computing



Narensabhi/X

Driving global innovation through strategic collaboration →

The formal commercial framework between C-DAC and UAE's G42 was finalized on May 15, 2026, during visit of Hon'ble Prime Minister Narendra Modi to Abu Dhabi.



Digital Delivery of PMVBRY Incentives



C-DAC has designed, developed and implemented technology platform for Pradhan Mantri Viksit Bharat Rozgar Yojana (PMVBRY). The robust digital system enables seamless beneficiary registration, employer onboarding, incentive processing, verification, and transparent disbursement of benefits across the country.



Promoting Indigenous Smart City Innovation through Academia-Industry Collaboration



Under the Smart City 2.0 Initiative of the MeitY, C-DAC CINE organised a series of national-level activities during April–June 2026 to promote indigenous smart city technologies, foster innovation, and strengthen collaboration among academia, startups, industry, government organisations, and public sector enterprises.



Cyber Security Awareness Training programme for Cyber Sakhis



Reliance Foundation and ISEA Project under MeitY, Government of India, has implemented E-SafeHER, a Cyber Security Awareness Training programme to enable one million women across rural India. As a part of the same, in-person training of 300 Cyber Sakhis was conducted during June 1-12, 2026 Madhya Pradesh and Odisha.



Inauguration of the Centre for Next Generation Media Technologies



C-DAC Mumbai marked a significant milestone with the inauguration of the Centre for Next Generation Media Technologies at its Juhu Campus on April 6, 2026. The centre was inaugurated by Shri Sudeep Shrivastava, Joint Secretary, Ministry of Electronics & Information Technology (MeitY), Government of India.



Annual Divisional Officers' Conference in Odisha



The Annual Conference of Divisional Officers (Executive Engineers and Divisional Accountants), organized by the Office of the Principal Accountant General (A&E), Odisha at the Odisha State Convention Centre, Bhubaneswar on May 11th, 2026, served as an important forum for deliberations on digital transformation in public works administration, with the Works and Accounts Management Information System (WAMIS) emerging as a key focus area.

BACKEND SQUAD



BACKEND SQUAD

CISO DESK

1. Enterprise Wi-Fi Security Enhancement: As a major CISO-led initiative, the centralized C-DAC-wide Wi-Fi Authentication System was successfully launched. The solution enables secure, identity-based authentication for wireless network access across C-DAC centres, enhancing access control, user accountability, network visibility, and compliance with organizational security policies.
2. Actions have been taken for the various threat incident provided by CERT-In during the period.
3. Following Awareness programme/ trainings/Lectures/webinars are conducted:
 - Digital Discipline: Using Smartphone Securely
 - Safeguarding Digital Identity: Responsible Data Sharing and Risk Mitigation
 - Malware Attacks: Countermeasures - Prevention and Remediation
 - Spot Phishing: Identifying and Preventing Phishing Attacks
 - Malware Analysis & Reverse Engineering workshop
 - IOT/IIOT Training

CIO team, in coordination with the designated NIOs across C-DAC centres, continued to plan and implement the Shared IT Services (SITS) ecosystem by advancing enterprise-wide digital transformation initiatives. Key efforts focused on expanding integrated digital services, enhancing infrastructure capabilities, strengthening governance frameworks, and enabling standardized IT platforms across the organization. The following are some of the major activities and updates undertaken during the quarter:

CIO DESK

C-DAC Email Migration and Domain Registration

- A Delegated Admin (DA) to create the email-ids for all employees of C-DAC, has been approved by NIC. Post training, the email-id of all employees will be created on the gov.in domain by the DA.

Single Sign-On (SSO) – e-Pramaan

- The e-Pramaan-based Single Sign-On (SSO) framework which was envisaged to provide seamless authentication across multiple Shared IT Services applications expanded its integration to center specific applications such as GitLab (Pune) and iPromis (Thiruvananthapuram) in addition to its successful integrations with Unified Dashboard, Webmail, e-Mulazim, Asset Management System, iHRMS, Visitor Management System, and Helpdesk Management System.

Helpdesk Management System

- The Helpdesk Management System has been planned and enhanced as a centralized enterprise platform for IT service management across C-DAC

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.



प्रगत संगणन विकास केंद्र

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

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। नॉएडा / Noida । नॉर्थ ईस्ट (गुवाहाटी) / North East (Guwahati) । पटना / Patna । पुणे / Pune । तिरुवनंतपुरम / Thiruvananthapuram