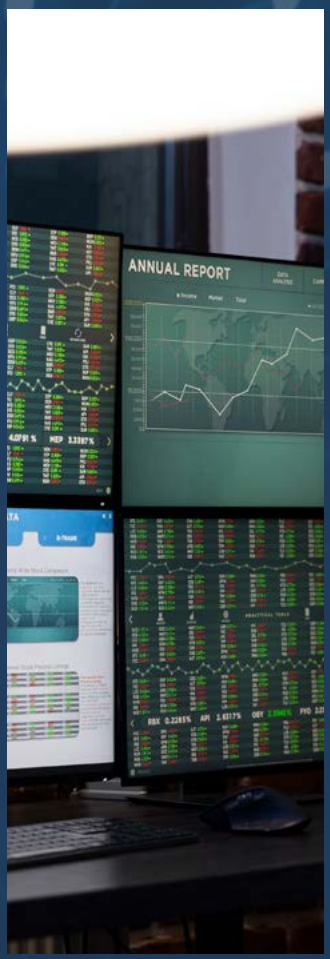
IPE GLOBAL
Expanding Horizons. Enriching Lives.

TECHNOLOGY FOR DEVELOPMENT

Driving Innovations for a Futuristic Tomorrow

DIGITAL
INTEGRATION

AI-ML POWERED
RISK
INTELLIGENCE



DATA &
MONITORING
SYSTEMS

SCALING
INNOVATIONS

Technology for Development practice drives inclusive growth by leveraging digital tools, data analytics, and innovative solutions to enhance the delivery of development projects across healthcare, education, governance, climate resilience, and livelihoods. We recognise technology as a critical enabler for achieving the Sustainable Development Goals (SDGs) by making development interventions more efficient, scalable, and cost-effective. Our team integrates cutting-edge technology solutions into sectoral projects to amplify impact, improve service delivery, and ensure sustainable outcomes at scale.

Our Mission

To harness the transformative power of technology and, bridge the digital divide to ensure technology-enabled development reaches the most vulnerable.

Focus Areas

DIGITAL INTEGRATION

Design and implement technology-enabled solutions for improved governance, enhanced beneficiary engagement and efficient project delivery

AI-ML POWERED RISK INTELLIGENCE

Leverage mapping, remote sensing, and spatial analysis tools for evidence-based planning and monitoring

DATA & MONITORING SYSTEMS

Deploy data collection, analysis, and visualisation platforms/ dashboards for real-time monitoring and adaptive management

INNOVATION SCALING

Foster technology adoption while providing technical assistance for scaling digital solutions

Children's Investment Fund Foundation | RajPusht: Strengthening Care in the first 1,000 days | Rajasthan, (2017-2025)

The project seeks to accelerate the reduction of low birth weight and wasting among children in Rajasthan and follows a transformative pathway for improved maternal and child health by championing cash transfers for new mothers to help them purchase and eat a locally available nutritious diet.

It has promoted technology integration to deliver health and nutrition services on time and without hassle to citizens. **A key technological tool introduced under the program is the portable digital weighing machine with internet connectivity and cloud storage, which captures infant weight and photos for accurate weight management and monitoring of malnourished infants. Under the project, over 3,90,000 newborns have been weighed accurately through these innovative digital weighing machines. Complementing this is an app-based digital platform used to register eligible women, deliver customized counselling, and collect real-time cohort-based data. The app is embedded with pre-set benchmarks that automatically trigger alerts for follow-up counselling and for cases requiring more intensive engagement, ensuring timely and targeted interventions for high-risk beneficiaries.**

Empowering Mission Shakti SHG Network in Odisha

Mission Shakti, a flagship programme of the Government of Odisha, leverages digital technology to empower Women Self-Help Group (WSHG) members by bridging gender, financial, and social gaps. Over the past three years, it has reached over 600,000 women, building digital and financial literacy, raising awareness on sexual and reproductive health and rights, and addressing gender-based violence. **A key enabler is a user-friendly, interactive Android mobile Learning Management System (LMS) hosted on AWS, available in English and Odia, offering 44 video modules and supporting Master Trainers, DigiShakti Trainers, and Learners. The programme has trained 285 Master Trainers and registered over 9,000 DigiShakti Trainers across 15 priority districts, using a cascade training model. A web-based dashboard and dedicated helpline in Bhubaneswar provide real-time technical support, track progress, and monitor training quality, ensuring effective and scalable digital empowerment.**

The Royal Norwegian Embassy | Norway India Partnership Initiative (NIPI) | India, 2016-2018 (March), 2019 (July)-Ongoing

Established in 2006, NIPI was born out of an agreement between the Governments of Norway and India towards sustainable efforts to reduce maternal, newborn, and child (MNC) mortality in India. Over the years, **NIPI has provided strategic, catalytic, and innovative support to India's National Health Mission (NHM) by testing scalable interventions in four high-focus states of Bihar, Odisha, Madhya Pradesh, and Rajasthan and the Union Territory of Jammu and Kashmir. We have been implementing the project since 2016-2018, and again from 2019. One of the key components under NIPI has been to foster institutional collaborations on Digital Public Health Goods in RMNCAH. Under NHM J&K, with NIPI support, a client-centric e-DSS (Decision Support System) was piloted to aid Mid-Level Health Providers in managing childhood illnesses. The app enhances ASSESSMENT, CASE MANAGEMENT, AND REFERRALS, IMPROVING CHILD HEALTH OUTCOMES.**

DMFT | Programme Management Unit (PMU) for District Mineral Foundation Trust (DMFT) | Odisha, (2022 - 2025)

The implementation of Project SPARSA is a transformative step towards improving maternal and infant health outcomes through digital innovation and real-time surveillance. In collaboration with Jindal Steel and Power Foundation and MedTel Healthcare, SPARSA address the challenges faced in manually collecting and analyzing health data, particularly by ANMs.

Key features

- **Digital Diagnostic Services:** The project aims to provide Digital Diagnostic Services for Maternal Health at the grassroots level, reshaping maternal care by offering quick and accurate diagnostic tests. These tests, conducted within 5-7 minutes, include key parameters relevant to maternal health and help in identifying high-risk mothers.
- **Real-time Monitoring and Alerts:** The use of IoT devices enables real-time monitoring and tracking of VHND sessions in remote villages, ensuring timely interventions and data-driven decision-making. Stakeholders receive prompt alerts via WhatsApp and SMS, facilitating immediate actions and follow-ups for high-risk pregnancies and maternal health issues.
- **Network Connectivity and Data Upload:** In areas with low or no network connectivity, test reports are uploaded once a stable network connection is restored, ensuring data integrity and continuity of care. This digital transformation streamlines the process of data collection, analysis, and reporting, reducing errors and improving the overall efficiency of maternal care services.

USAID | SAMVEG: Systems Approach for MNCH Focusing on Vulnerable Geographies | India, (2020-2025)

The Quality Upgrade through Improvements in (Accountability and Responsiveness) and community Knowledge Model, referred to as the QUICK model, stands out as a key digital innovation within the RMNCHA+ domain, implemented as part of the SAMVEG project to support the Surakshit Matritva Aashwasan (SUMAN) program. This is a technology-enabled, human-centered intervention that strengthens two-way communication between health systems and beneficiaries. **Using structured outbound calls conducted by trained tele-callers, QUICK collects feedback, provides counselling, and facilitates teleconsultations across six key service points: antenatal care, high-risk pregnancy, childbirth, newborn care, immunization, and sick childcare. Beneficiary data is drawn from existing government databases (e.g., RCH/SNCU Online Portal, MoHFW) and integrated into CommCare, an open-source digital platform. Data collected through calls is analysed using third-party analytical tools to generate real-time dashboards and district factsheets. These insights are shared with decision-makers to support data-informed actions, strengthen program accountability, and improve service responsiveness.**

World Bank | Technical Support Service for Program Management Unit for SRESTHA | Gujarat, (2023-2028)

Conceptualisation of a comprehensive health control room - Aarogya Samiksha Kendra - in Gandhinagar, inaugurated by CM on July 1, 2025, that will not only act as a review centre for all state and national health programmes but will also be the hub for health metrics analysis and command centre, especially in times of crisis or disasters. **It will also act as a call centre facility for those seeking help from the 104 helpline as well as information on the Pradhan Mantri Jan Arogya Yojana (PM-JAY).**

Arogya Monitoring Dashboard

Asian Development Bank (ADB) | Institutional Strengthening and Reform Consultant: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project | Chennai, (2023-2027)

We launched the Flood Citizen Observatory (FCO) - a pioneering initiative that leverages technology, community engagement, and institutional capacity building to strengthen urban flood resilience. The FCO facilitates real-time community inputs into digital flood monitoring systems, promoting a bottom-up, data-driven approach to disaster preparedness and response within the Greater Chennai Corporation (GCC).

In its pilot phase, 40 Flood-O-Meters were installed across flood-prone zones to enable hyperlocal, real-time data collection. This data feeds into a centralized Flood Monitoring Dashboard at the Integrated Command and Control Centre (ICCC), enabling coordinated visualization and response.

To institutionalise preparedness, FCO introduced a Performance-Based Incentive Framework with measurable KPs across GCC zones. A digital dashboard, co-developed with GCC-ICCC, facilitates real-time data entry, action tracking, and performance monitoring. Complementing the technology interventions, physical reviews of 75 temporary relief shelters across 15 zones were conducted to assess readiness, while over 15 awareness and training programs-including street plays, school and college outreach, and SHG sessions-empowered communities as first responders and active partners in flood risk reduction.

Under the Flagship program of Government of India – Smart Cities Mission: Developed Integrated Command and Control Centres (ICCC) in Gwalior, Ujjain, Kochi and Shillong, India

The Integrated Command and Control Centre (ICCC) functions as a centralised, real-time digital dashboard, integrating data from surveillance, traffic, waste management, environmental, and emergency services into a unified, interoperable platform supported by open APIs.

Equipped with a video wall control room, the ICCC hosts key smart city systems including City Surveillance with Video Analytics, Solid Waste Management, Intelligent Traffic Management, City Wi-Fi, Public Address and Emergency Call Box Systems, Variable Message Displays, Smart Poles, and Smart Street Lighting.

Designed with open API architecture, the platform enables seamless integration with existing and upcoming city applications. Its key benefits include data-driven decision-making, faster emergency response, transparent performance tracking, and proactive governance, making it a robust digital backbone for smart city management.

Children's Investment Fund Foundation | MANZIL | Rajasthan, (2019-2025)

Project Manzil, implemented in partnership with the Department of Education, Government of Rajasthan and the Rajasthan Skills and Livelihoods Development Corporation (RSLDC) empowers girls and young women in and out of school with skills and economic opportunities to delay early marriage and first pregnancy. The project maps girls' aspirations to link them with appropriate training opportunities, improving the quality of employability, skills training, and facilitating access to safe and secure jobs to enhance their participation in the workforce.

One of the key interventions of the project has been the launch of the Manzil App (MAP), registering girls and helping them identify courses aligned with their aspirations. It is designed to support community mobilisers and vocational trainers.

National Capital Region Planning Board (NCRPB) | Preparation of Functional Plan for Health | Delhi-NCR, (2023-2025)

NCR Planning Board intends to prepare Functional Plans for NCR for the perspective year 2041 with respect to various aspects as per the requirement of its draft Regional Plan-2041 proposals. The Functional Plan preparation exercise includes studies, collection of primary and secondary data for required sector, data analyses and interpolation, formulation of strategies, proposed interventions, and identification of projects at regional, sub-regional and local level, as deemed fit, within the coverage and overall framework of NCR RP-2041. IPE is providing technical support for detailed assessment of health scenario and status in NCR. **This includes mapping of all health infrastructure and preparation of GIS based platform covering all health-related infrastructure. The GIS mapping and geodatabase will involve preparing multi-scale base maps, integrating administrative boundaries, physical features, and healthcare infrastructure. Raster and vector data will be digitized, verified, and stored in a structured geodatabase. Drone surveys will support ground-truthing, while spatial databases will enable planning, analysis, and visualization at regional, state, and CMA levels.**

DFID | Providing Technical Assistance for Implementation of Support Programme Urban Reforms (SPUR) | Bihar, (2008-2017)

We developed a comprehensive software system for Urban Local Bodies (ULBs) to establish a robust Decision Support System (DSS) for the Urban Development & Housing Department (UD&HD), enabling effective management and real-time monitoring through MIS reports on key performance indicators related to revenue, schemes, progress, and establishment. The system was implemented across 29 cities in Bihar under the Support Programme for Urban Reforms (SPUR).

To advance this initiative, modular e-governance systems were developed to automate core ULB functions, including birth and death registration, property tax and rental income management, trade licensing, employee management, and e-procurement. A web-based MIS was also created to support standardized planning and monitoring of schemes across ULBs, built on SQL Server (backend) and .NET (frontend) platforms.

The system facilitated comparison of indicators across 141 ULBs and supported the rollout of an e-Governance roadmap comprising 20 'e-Municipality' modules, alongside the development of Citizen Facilitation Centres. The project also supported hardware and software procurement, implemented an Interactive Voice Response (IVR)-based Citizen Grievance Redressal System, and established a state-level Grievance Cell, enabling phone-based complaint registration with real-time tracking.

The SPUR initiative received the SKOCH Order of Merit Award for Smart Governance for its Centralised Grievance Redressal System implemented across 141 ULBs in Bihar.

Climate Risk Observatory, (2024)

IPE Global and ESRI India developed the Climate Risk Observatory tool-a centralised geospatial hub with climate maps, explorer apps, resources, and story maps. Building on lessons from natural disasters, the Climate Risk Observatory (CRO) and development of the Mumbai Multi-Hazard Risk and Vulnerability Atlas offer a modern approach to disaster preparedness. **These initiatives integrate historical data with future climate projections in a short-term time frame to assess risks from floods, cyclones, landslides, etc. These projects enable real-time monitoring, identify high-risk zones, prioritise resources, and shape mitigation strategies, helping states/ cities/ wards prepare for the increasing intensity of climate-related disasters.**

Climate Readiness Index (India) to Mainstream Low-carbon Pathways, (2024-2025)

As India advances its climate transition agenda, assessing states' preparedness for low-carbon pathways is vital. To bridge data gaps and limited decision-support, this project develops an evidence-based framework to measure and accelerate climate readiness across the top 10 GHG-emitting states including Andhra Pradesh, Rajasthan, Gujarat, Chhattisgarh, Tamil Nadu, Odisha, Uttar Pradesh, Madhya Pradesh, West Bengal and Maharashtra. It captures systemic, financial, and technological readiness while addressing renewable energy adoption, policy bottlenecks, and climate finance, equipping stakeholders with insights to fast-track low-carbon transitions.

We led the design and implementation of the Climate Readiness Index–Decision Support System (CRI-DSS), an AI-powered, scenario-based platform designed to assess and accelerate low-carbon transitions across India's top 10 GHG-emitting states. By integrating dynamic data and analytics, it evaluates systemic, technological, and financial readiness, offering policymakers and investors actionable insights to bridge data gaps, overcome policy bottlenecks, and fast-track renewable energy adoption and climate finance mobilisation.

FCDO, UK | Multi-Hazard Risk Mapping for 9 Pilot Cities/ MMDA's in Ghana, Green Cities and Infrastructure Programme | Africa, (2024–2025)

Ghana's cities, challenged by rapid urbanisation and climate risks, are leveraging technology to strengthen resilience and informed planning. Through the Green Cities and Infrastructure Programme (GCIP), anchored in the Ghana Urban Risk Observatory, advanced data systems and digital tools are being deployed to enable risk-informed governance. **As a core technical partner, we are developing a multi-hazard climate risk assessment framework and an AI-powered, predictive analytics dashboard that maps vulnerabilities, visualises evolving hazards, and supports proactive urban decision-making. Integrated into a central platform, this digital infrastructure is complemented by user-friendly toolkits and capacity building, enabling local institutions to conduct assessments and apply real-time insights for climate-resilient urban planning.**

Developing Model Heat Action Plan for Patna District | Patna, (2025–Ongoing)

Rising heatwaves in India, particularly in Bihar, demand tech-enabled resilience strategies. To tackle this, the Government of Bihar is developing a Model Heat Action Plan for Patna, with our team leading its technical backbone. **Leveraging AI/ML climatological and meteorological models, we generate hyper-granular, real-time heat risk maps from satellite and local monitoring data. Advanced analytics estimate discomfort indices by factoring in temperature, humidity, and urban heat island effects, while predictive forecasting tools power early warning systems to reduce casualties. Integrated into a district-level digital framework, these tools guide cross-sectoral response planning-from health and urban management to disaster response-supported by training modules and stakeholder engagement to ensure data-driven preparedness and rapid action.**

Preparation of Integrated Coastal Zone Management Plan (ICZMP) and Shoreline Management Plan, (2015-2017)

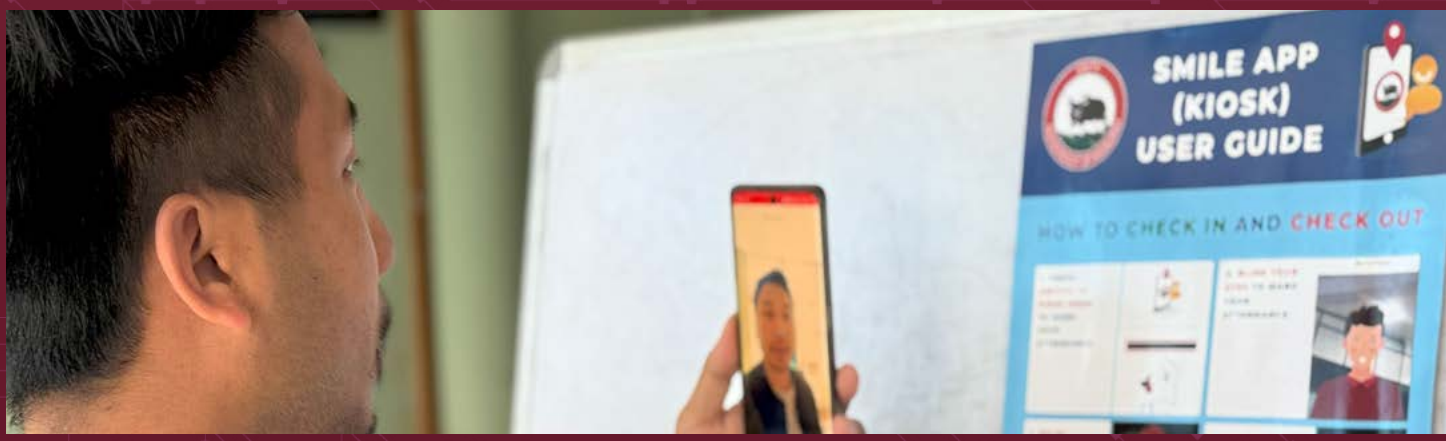
Odisha's 480 km coastline, rich in biodiversity yet highly vulnerable to cyclones and erosion, required data-driven solutions for resilience. **Under the ICZMP project, we led the technical design of Odisha's Integrated Coastal Zone Management and Shoreline Management Plans using advanced GIS tools, climate risk modelling, and land–sea interaction analytics. These technology-driven spatial plans identified high-risk zones, guided shoreline protection strategies, and addressed erosion and infrastructure vulnerabilities. Digital frameworks for eco-sensitive tourism and fisheries management were developed, aligning community needs with ecosystem protection.** Capacity-building modules strengthened institutional adoption of geospatial planning, disaster risk reduction, and climate adaptation protocols-establishing a scalable tech-enabled model for long-term coastal sustainability and resilience.

Department of School Education, Government of Nagaland/ The World Bank | Teacher Attendance Monitoring System (TAMS) under Nagaland: Enhancing Classroom Teaching and Resources (NECTAR) | Nagaland, (2022-2026)

The project aims to ensure authentic attendance marking of government school teachers in Nagaland through deployment of a monitoring system using facial recognition technology and geo-fencing. It monitors attendance and leave records of 20,000+ teachers and 300+ education officials across the State. **The online portal allows officials from school to district and State level to monitor attendance data and attain detailed reports for their respective areas through customisable roles and access. We provide expertise at the intersection of technology and education to allow secure capture of attendance marking/ leave application on the mobile app and reflect analysed data through real-time interactive dashboards such as present and active users, and ranking of schools based on regularity in attendance marked by the teachers over time.**

Key Deliverables

- Development, implementation and maintenance of an exclusive teacher attendance monitoring software compatible with Mobile phone (Android and iOS), tablet and Web (all major browsers)
- Conduct of UAT and pilot deployment of the application
- Capacity building of 400+ master trainers across the State towards effective use of the app
- Produce periodic monitoring reports reflecting the attendance status across districts



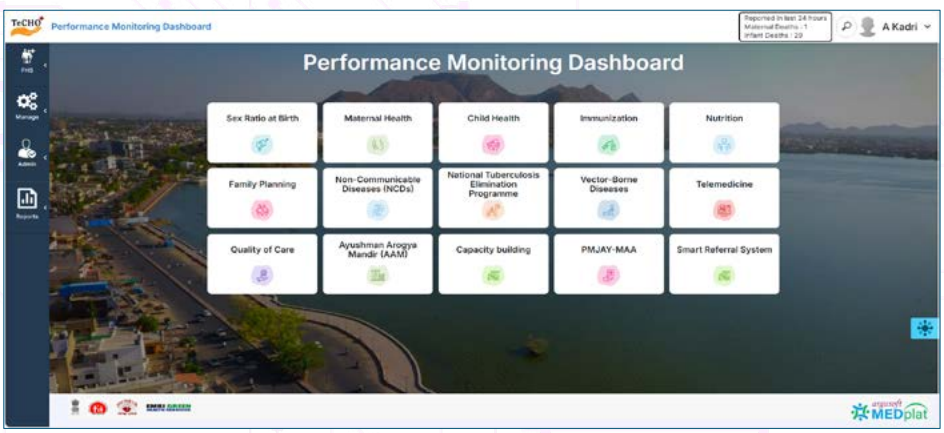
CIFF RajPusht | Rajpusht: Strengthening Care in the first 1,000 days | Rajasthan, (2017-2025)

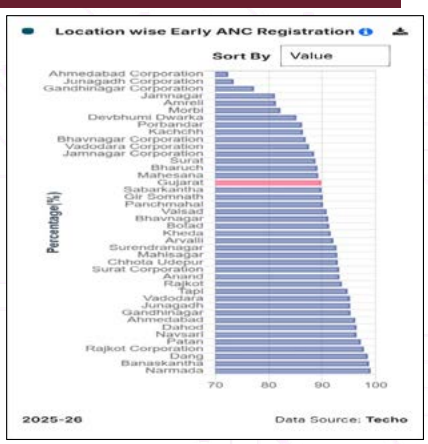
RajPusht aims to accelerate the reduction of low birth weight and wasting among children in Rajasthan by strengthening maternal nutrition and care during the first 1,000 days of life. To support this goal, the program has built a robust digital data and monitoring architecture that enables real-time visibility into program reach, performance, and impact. It uses an integrated digital platform for seamless last-mile data collection, coupled with automated pre-coded analytics and visualization dashboards for continuous tracking of key nutrition and health indicators. These dashboards generate granular, geo-disaggregated insights, trigger alerts for timely corrective action, and support data-driven decision-making and adaptive management. The system also ensures data integrity through inbuilt validation protocols and promotes transparency and accountability across all levels of implementation.

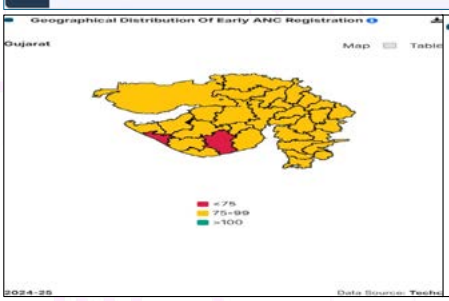
World Bank | Technical Support Unit for Program Management Unit for SRESTHA | Gujarat, (2023-2028)

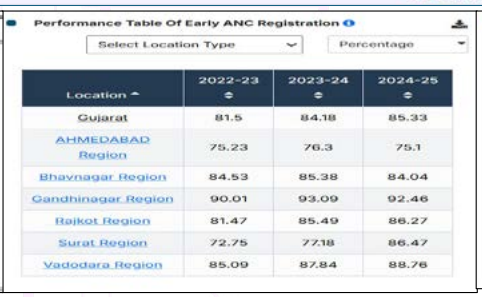
- SRESTHA-G aims to strengthen adolescent health, nutrition, education, and livelihood (HNEL) outcomes through a unified monitoring dashboard built on data from Health, WCD, and Education departments.
- One of the DLIs is on improved laboratory networking for lab-based surveillance. This includes a structured assessment of the existing lab information systems at different levels of the public health system. Based on this assessment, an integrated Laboratory Management Information System (LMIS) will be developed and rolled out in a phased manner. Data gathered through this LMIS will be analysed using advance digital tools, used for outbreak identification, and informing disease surveillance. This DLI will also complement the federal government's efforts on rolling out the Integrated Public Health Lab initiative for improved surveillance, Comprehensive Healthcare Monitoring Dashboards for SHSRC Gujarat - PHC, adolescent health, AMR, and laboratory surveillance.
- The SRESTHA-G helps address the gaps in primary health care, disease surveillance, mental health care, quality of care, digital health, and lagging health and welfare outcomes for adolescent girls. The goal of the Integrated Health Information and Intelligence Centre (IHI&IC) is to enhance the healthcare system in Gujarat by establishing an integrated platform for health information management and data analytics with the use of advanced IT Technologies like Data Engineering, Data Operations (DataOps), Business Intelligence (BI), Artificial Intelligence (AI)/ Machine Learning (ML), etc. This initiative aims to improve healthcare decision-making, monitoring, and outbreak prediction and response through the effective use of health data. The IHI&IC has the following objectives:

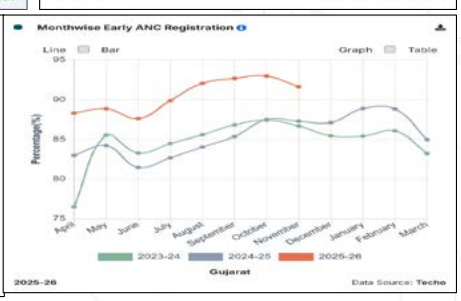
» To develop a universal and interoperable IT-enabled platform.
» To develop and implement comprehensive public health surveillance systems.
» To strengthen the real-time monitoring of various programs.
» To promote behavioural evidence-based decision-making, policy development, and effective implementation.
» To enhance health system planning and resource allocation





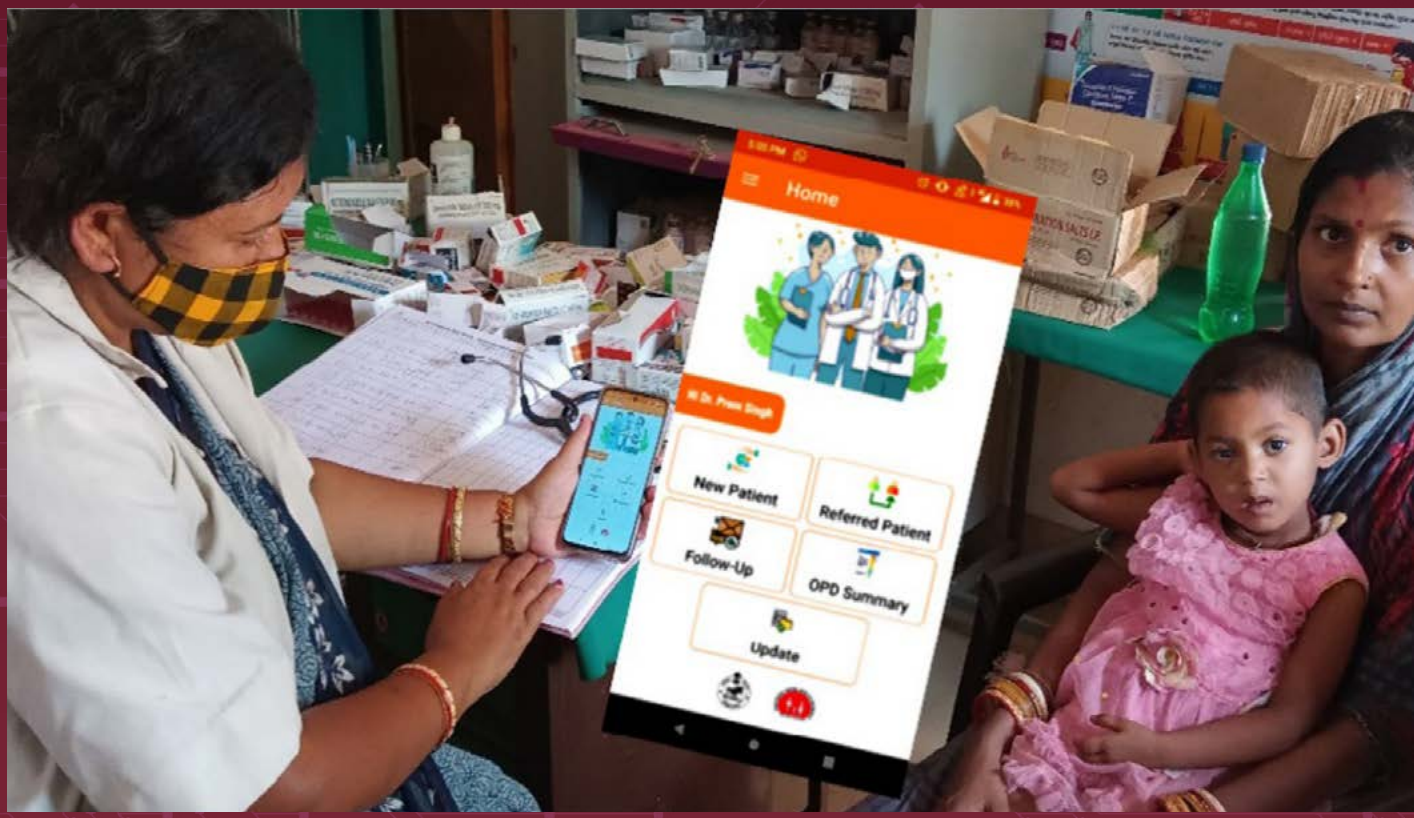






USAID | SAMVEG: Systems Approach for MNCH Focusing on Vulnerable Geographies | India, (2020-2025)

RAASTA (RMNCH + A Action Agenda using Strategic Approach) is a systematic planning tool that helps districts in India develop evidence-based maternal and child health implementation plans. It uses survey data and health information systems to prioritize district health goals, review intervention coverage, and identify low-performing areas. Through a six-step process conducted in Uttarakhand and Jharkhand, the tool enabled 59 health officials to identify prioritized activities, strengthen capacity in strategic planning, and successfully integrate new health interventions into state budgets.



The Royal Norwegian Embassy | Norway India Partnership Initiative (NIPI) | India, (2016-2018 (March), 2019 (July)-Ongoing)

Based on a request by the Government of Jammu and Kashmir to support the development of the COVID-19 dashboard and its integration with MoHFW's Arogya Setu Dashboard and Swasthya Nidhi Surveillance dashboard. Norway India Partnership Initiative (NIPI), in collaboration with Health Information Service Provider (HISP) India, created a COVID-19 dashboard for Jammu and Kashmir based on the State's specific requirements in compliance with the MoHFW reporting requirements. The dashboard provided real-time information about confirmed, active, recovered cases, deaths, positivity rate, recovery rate, fatality rate, test per million at a single glance, geo-tagging and clustering of cases, health system preparedness, ICU availability and Isolation beds available to facilitate and generate appropriate and timely response, etc.

DoHFW, Government of Meghalaya/World Bank | PMA to Support Implementation of Meghalaya Health Systems Strengthening Project (MHSSP) | Meghalaya, (2021-2026)

MHSSP aims to strengthen health system performance and service quality through strategic investments in programme management, health insurance, and service delivery. As the Project Management Agency, we provide end-to-end programme management and monitoring support, including procurement, financial management, and technical assistance, to the Department of Health and Family Welfare across the State. **We support the Government of Meghalaya in establishing a digital health information system to enable data-driven decision-making. This includes developing and maintaining the MHSSP website and key sub-systems such as the Project Performance Monitoring System, which serve as a central platform for tracking progress and stakeholder communication.**

World Bank | Developing a Strategy and Management Framework for Human Resource for Health, under ASSIST Project | Assam, (2023-2026)

The main objective of the assignment is to strengthen Human Resources for Health (HRH) reforms in the state while taking into consideration the changing disease profile and population dynamics and composition. Under this assignment, **we have developed and integrated HRMIS/modules into the existing HRH MIS in the State. integrated HRMIS/modules into the existing HRH MIS in the State. The team supports the development of the HRMIS platform and modules/modules that shall provide support to leadership and administrators in decision-making related to HRH.**

The World Bank | Tamil Nadu Integrated Housing Information System| Tamil Nadu, (2024-2025)

To strengthen Tamil Nadu's housing sector institutions and enable sustainable access to affordable housing, we developed India's first state-level Housing Dashboard and Analytical Report, integrating robust IT and data-driven systems for policy support and decision-making.

The initiative leverages digital infrastructure and predictive analytics to:

- track, visualise, and analyse multi-dimensional housing data across districts
- deploy modelling tools to forecast future housing demand and affordability trends
- support evidence-based resource allocation for housing unit supply and income-group distribution
- evaluate housing dynamics, needs, and trends to guide inclusive planning
- enable real-time tracking of building plan approvals through seamless API integration with the Chennai Metropolitan Development Authority (CMDA) and Directorate of Town and Country Planning (DTCP), ensuring transparency, efficiency, and data interoperability.

Government of Karnataka | Project Development and Management Consultant (PDMC) for Atal Mission for Rejuvenation and Urban Transformation (AMRUT) works in KUWS&DB, BBMP, BWSSB and other departments | Karnataka, (2016-2023)

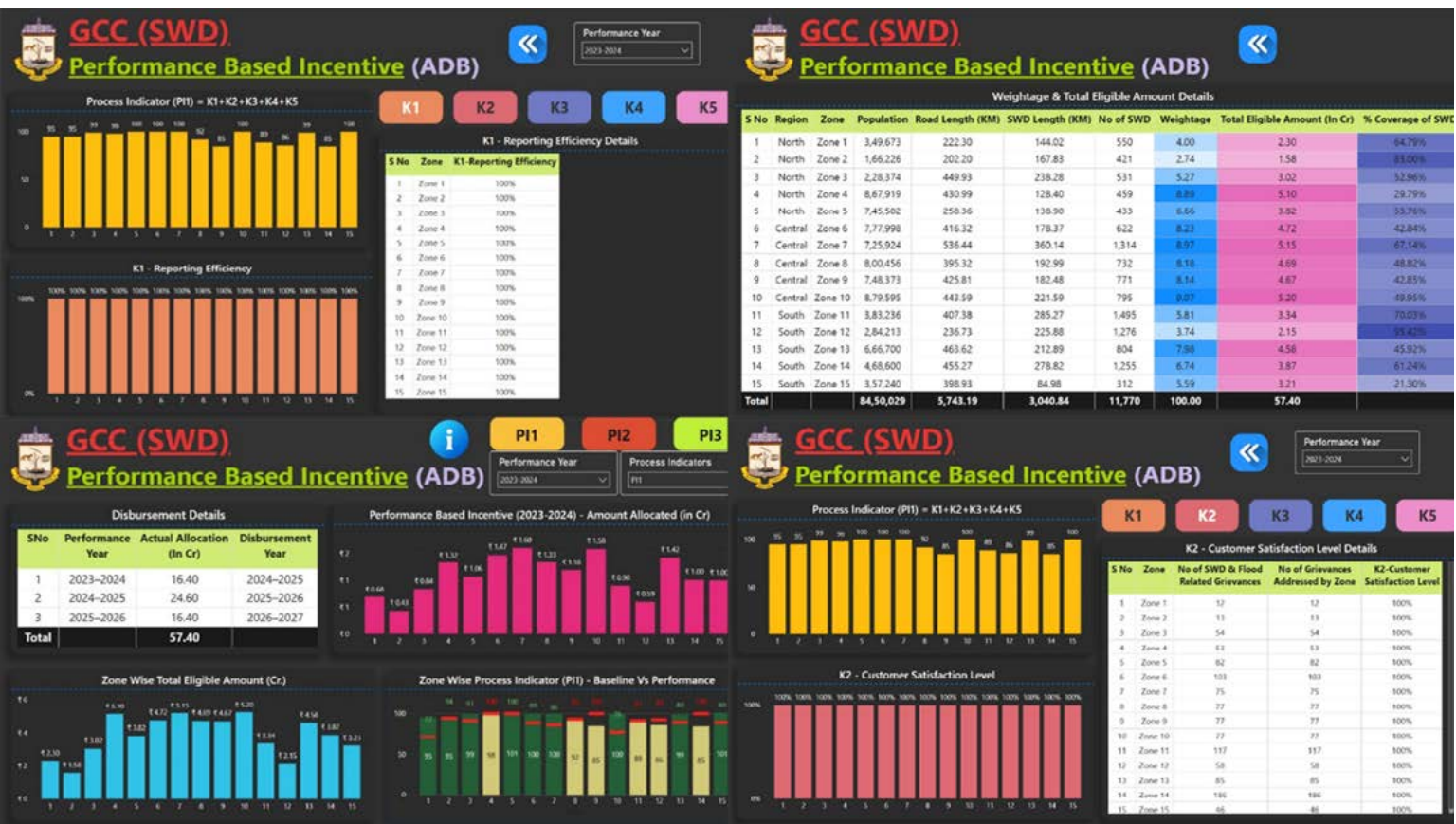
We developed a computer-based Project Performance and Monitoring System (PPMS) to manage and track the progress of over 400+ AMRUT projects across the state. The system serves as a comprehensive decision-support tool, enabling real-time monitoring of project implementation and performance.

Built on an open-source technology architecture, PPMS uses Java/J2EE for middleware, JSP for the presentation layer, the Struts framework for solution development, and MySQL as the back-end database. The system includes multiple functional modules to capture component-wise scope of work (BOQ), define monthly work plans and targets, record item-wise physical and financial progress, and generate detailed project performance reports for informed decision-making.

ADB | Institutional Strengthening and Capacity Development - Dushanbe Water Supply and Sanitation Project | Dushanbe, (2020-2022)

We supported the transformation of the operational and management framework of SUE Dushanbe Vodokanal (DVK) to strengthen sustainability and accountability through technology-driven interventions. **A Smart Information Management System was designed to consolidate data, monitor performance, and enable evidence-based decision-making, supported by dedicated IT infrastructure and a comprehensive SCADA–IT MIS plan for Dushanbe City.**

A performance benchmarking framework and incentive mechanism were introduced to enhance efficiency, complemented by capacity-building programs for over 200 DVK personnel in corporate business planning and performance management.



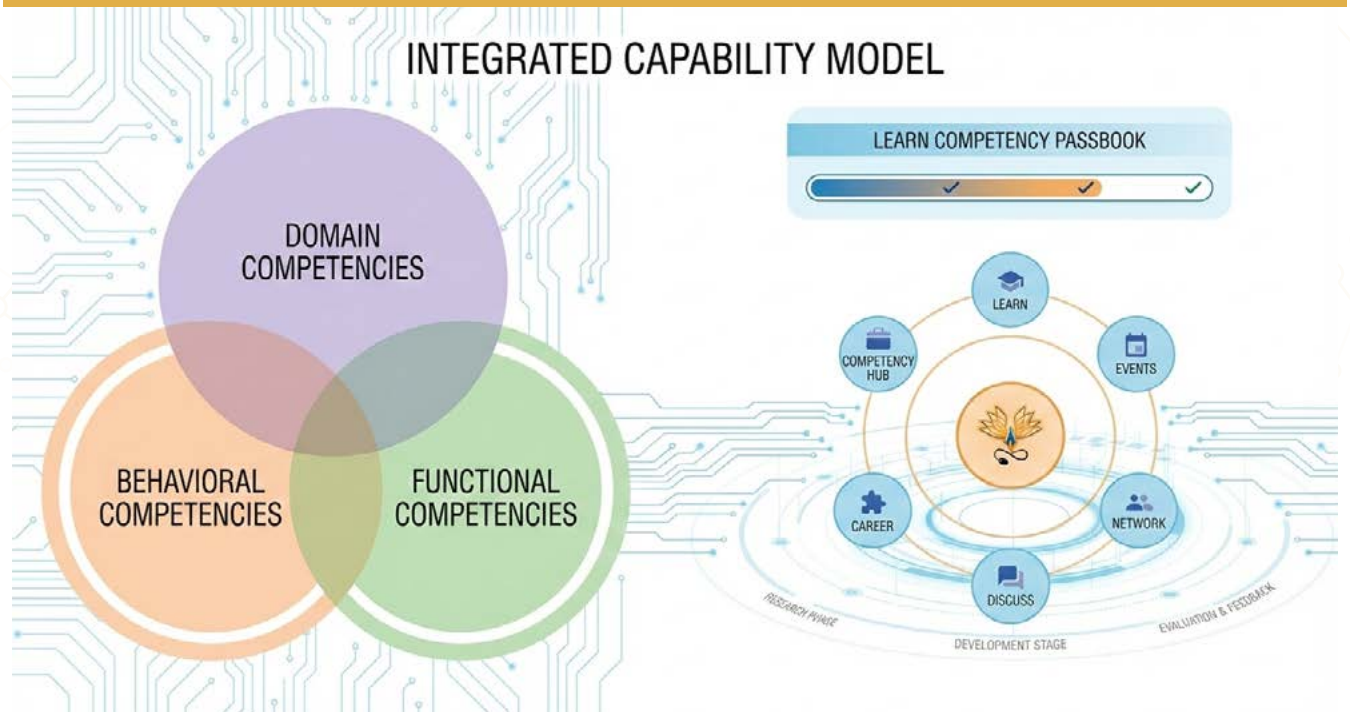
Department of Personnel & Training, Government of India/ The World Bank | Project Management Consultancy Services for National Programme for Civil Services Capacity Building (NPCSCB) |India, (2022-2027)

The NPCSCB aims to transform the capacity-building landscape of approximately 1.5 crore government officials in India to promote competency-based learning for enhancing effectiveness and efficiency in public service delivery. **An integrated Government Online Training platform (iGOT) has been developed to act as a one-stop solution space for officials, offering world-class courses to meet the desired competencies (subject/domain specific, behavioural, and functional) against expected roles. The technology platform fosters development through learning, discussion, networking, and events hubs that offer an open forum for constructive discussions, webinars, and collaboration. The platform adopts gamified learning techniques, offers interactive dashboards at various levels for officials to view user activity and feedback, and has inclusive features sensitive to colour blindness, dyslexia or special needs users.**

We provide project management expertise to the Department of Personnel & Training (DoPT) under various strands, including Strategy and Policy, Technology enhancement, Content quality assurance, social safeguards, and outreach, to coordinate with key stakeholders and ensure the seamless delivery of this nationwide project.

Key Deliverables

- End-to-end support in operationalising a Special Purpose Vehicle for implementing the iGOT platform
- Outreach activities to sensitise various departments on iGOT
- Periodic project progress reports for monitoring
- Review and recommendations for technology enhancements, dashboards, and incentivisation.
- Support in producing policy documents and strategy plans to promote platform adoption and overall project implementation.



Project Management Consultants (PMC) for Supporting Innovations in the Philippine Technical and Vocational Education and Training System (SIPTVETS) Project | Philippines, (2024-2028)

We serve as the Project Management Consultant (PMC) for **an ADB-funded initiative that is driving the digital transformation and technological modernisation of the Philippines' Technical and Vocational Education and Training (TVET) system. Implemented under the leadership of the Technical Education and Skills Development Authority (TESDA), the project focuses on integrating Industry 4.0 (4IR) technologies, including automation, robotics, IoT, artificial intelligence, and data analytics, into training, research, and institutional operations.**

A key component of this effort is the establishment and operationalisation of 17 Regional TVET Innovation Centres (RTICs) as technology-driven hubs for applied R&D, advanced skills development, and industry innovation. These RTICs are being equipped and capacitated to function as centres of excellence for digital manufacturing, smart systems, and sustainable industrial technologies, supporting curriculum modernisation, industry partnerships, and startup incubation. Our role focuses on guiding TESDA and partner institutions in designing, equipping, and operationalising next-generation RTICs to ensure technology adoption aligns with national innovation, green transition, and future workforce priorities.

Key Deliverables

- Assist the client in procuring state-of-the-art technology tools and equipment for the RTICs, and in strengthening institutional capacity for the effective operationalization and management of these technology-driven centres.
- Develop and implement strategies to facilitate change management arising from technological advancements, including support for startups leveraging emerging technologies and promotion of applied research and development initiatives within the RTIC ecosystem.

Multi-donor | Sustainable Access to Markets and Resources for Innovative Delivery of Healthcare (SAMRIDH) | India, (2015-2025)

SAMRIDH has supported 90+ health innovations with a strong emphasis on medical devices, diagnostics, telemedicine, and digital health technologies to address systemic gaps in healthcare delivery across India. Through the USAID-supported SAMRIDH initiative, we have demonstrated extensive experience in building partnerships across India's science and technology ecosystem to accelerate innovation-driven solutions for health and development. Several supported innovations integrated AI/ ML to enable faster diagnostics, predictive analytics, and remote telepathology (Qure.ai, Swaasa AI, Tricog and Medprime), employed predictive models to monitor and forecast ICU patient deterioration (Teslon Carenation), and utilized field-level data to strengthen monitoring, evaluation, and planning in rural healthcare programs, driving more targeted and effective service delivery (CDOT and ChildFund). Several enterprises developed/ integrated digital dashboards and data visualization tools to improve operations and remote monitoring:

- **Cardiac Design Labs' Padma Vitals:** Dashboards for real-time remote vital signs tracking
- **Aerobiosys Innovations:** Mobile app dashboard for breath pattern graphs
- **Neurosynaptic ReMeDi:** Telemedicine platform with integrated data dashboards
- **Tricog and Qure.ai:** Real-time diagnostic dashboards for clinicians
- **StratMed:** Data-driven healthcare procurement and supply chain analytics platform

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