



# Major Projects & Initiatives in NIC West Bengal



And I see **NIC** its presence, its achievements working in hand with the West Bengal State Government all the way.

To make the dream of a **Digital West Bengal** a practical reality.



NOVEMBER 2025



सत्यमेव जयते

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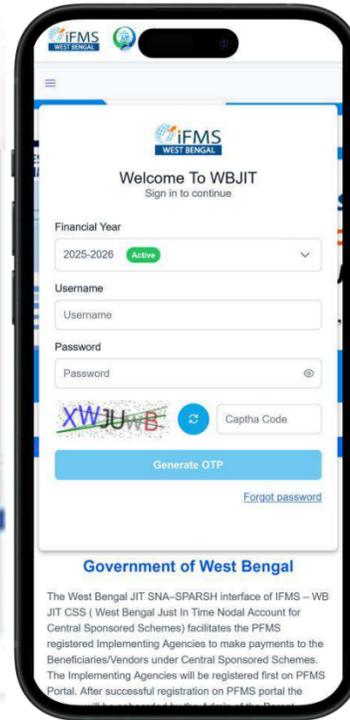
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G2G and G2C



Technology Stack : Angular, Dot Net Core, RabbitMQ, Redis, GitLab, DevSecOps, PostgreSQL

### West Bengal Just-in-Time (WBJIT)

URL :<https://ifms.wb.gov.in/wbjit/>

- Solution for Just-in-time Payment for Centrally Sponsored Schemes (CSS) implemented by Government of West Bengal (GoWB) following mandate of SNA-SPARSH Mandate of Government of India (GoI)
- 4 modules: User Management, WBJIT, JIT-Bill, JIT-Treasury S Development based on Microservices Architecture
- Main features are capturing mother sanction, Scheme configuration, SLS wise budget, and agencies from PFMS, and then Limit distribution and budgetary allocation, sub allotment to the agencies, generation of Fund Transfer Orders (FTOs) and Bills by the DDOs, Processing of bills at Treasury, Send to PFMS for debit of the central share, and finally payment with state share through the e-Kuber

**Achievement:** Implemented Since 7<sup>th</sup> January as per Memo no. Memo No. 80-F(eGOV) Dated 06/01/2025 of Finance Department, GoWB.

**Statistics:** During Nov-2025 , FTO prepared : 8166, Amount : Rs 583.30 Crores (Approx.) and for FY25-26 , FTO 62116, Amount : Rs. 3352.242 Crore (Approx)



G2G and G2C

Technology Stack : Angular, Dot Net Core, RabbitMQ, Redis, GitLab, DevSecOps, PostgreSQL

### Integrated Financial Management System (IFMS)

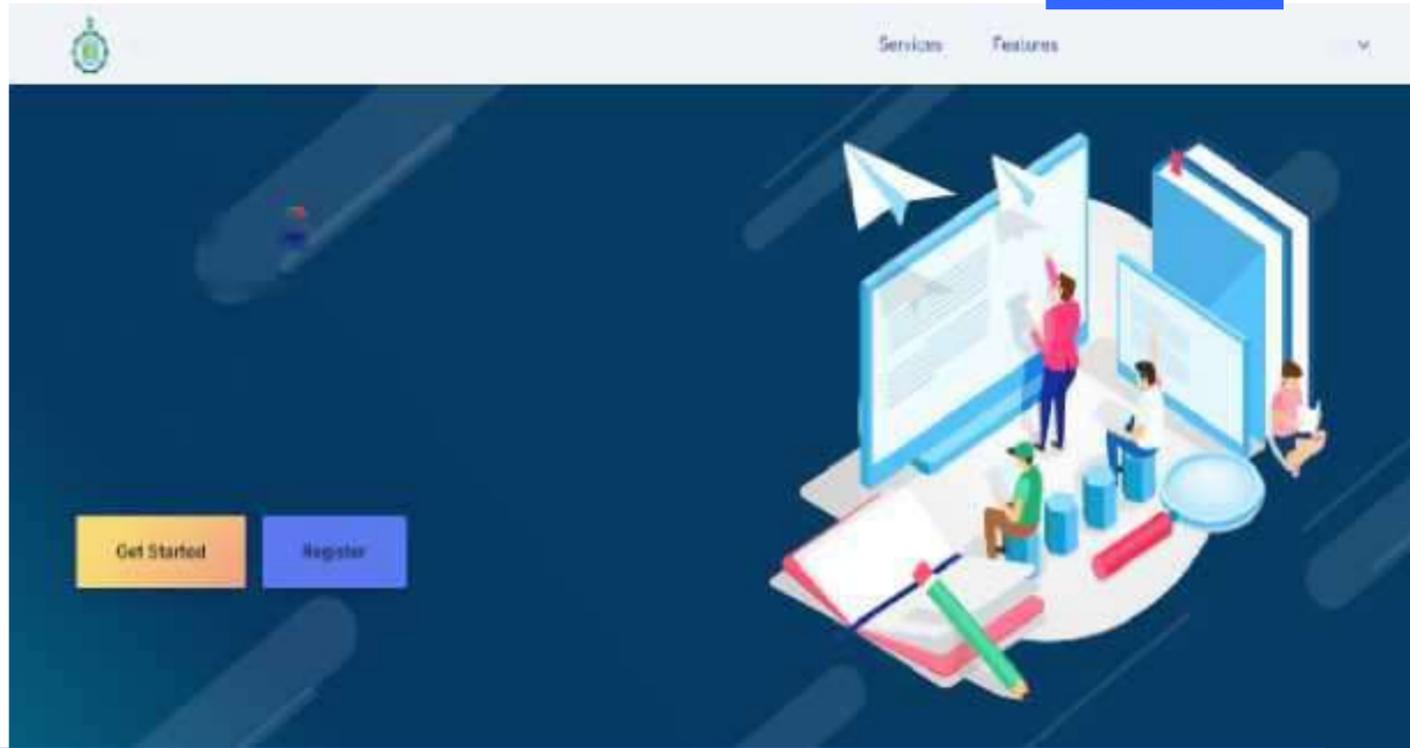
URL :<https://ifms.wb.gov.in>

- Solution for entire financial management system of GoWB
- 14 modules: eBantan, eBilling, CTS, GRIPS, AAFS , LFPL, NGIPF, GPF, CBMS, SBMS, HRMS, User Management, Master Management, AG Moule
- The Solution being developed targeted to replace the existing IFMS2.0 running by TCS
- Being developed in Microservices Architecture
- TR-26 Billing with User Management, e-Bantan, e-Bill, CTS are in production but implementation on hold.
- Grips 2.0, AAFS, LF/PL Module of IFMS 2.0 already available in UAT
- Rest of the modules are under development

**Four Modules of IFMS** are in production since April'2025

**FY 25-26 : Cumulative Bill Voucher: 27216, Amount : Rs. 1741.23 Crores (Approx.)**

G2G and G2C



Technology Stack : Laravel, RabbitMQ, Redis, GitLab, DevSecOps, PostgreSQL

Unified Project Management System (UPMS)

URL :<https://upms.wb.gov.in>

**Achievement:**The Department of Finance, Government of West Bengal with the Memo No. 61-F(eGov) Dated 07/01/2025 and with Memo No. 232-F(eGov) Dated 17/01/2025 directed the various works department like PWD, PHE, Irrigation, WRIDD, KMDA etc to use Unified Project Management System (UPMS) portal for processing of any project for monitoring of projects (including tracking annual physical and financial progress), throughout their life cycle, from initiation to completion of the project.

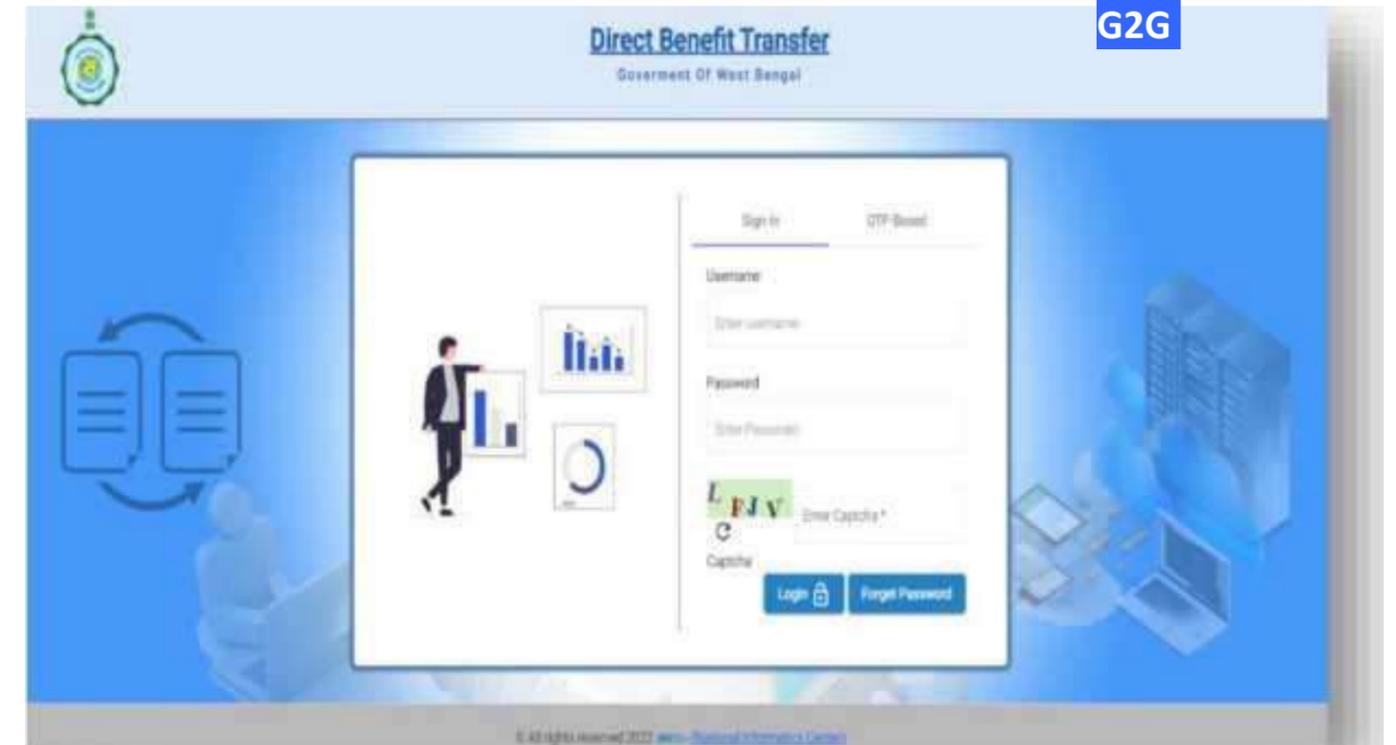
**Aim :**Monitoring of Govt. projects, throughout the life cycle of the project from initiation to completion of the project, as part of the Asian Development Bank (ADB) assisted West Bengal Public Finance Management Reforms Program

**Statistics:**November-2025

Number of Projects created/modified: 1537 (1153) ,Number of Requisitions created/modified: 1599 (1207), Number of Estimates created/modified: 2407 (2009) Total Cost of Estimates: Rs.4771 (3977) Crores (Approx)

**Total User Activities recorded: 8208154 (5392457)**

G2G



Technology Stack : Angular, Dot Net Core, RabbitMQ, Redis, GitLab, DevSecOps, PostgreSQL

URL :<https://dbt.wb.gov.in>

West Bengal Direct Benefit Transfer (WBDBT)

- A Uniform State DBT Dashboard
- Serves the purpose of one uniform solution for DBT across the various departments
- The Consolidated data/ information for each scheme may be facilitated to push from this application to the Bharat DBT Dashboard as per the need of the Government
- **Accumulation of DBT information (53 parameters)**
- **Integration with Bharat DBT**

**Achievement :** Successfully development and implemented for collection of data from various portals and push to Bharat DBT

G2G and G2C



Lakshmir Bhandar

Technology Stack : Laravel, Kafka, PostgreSQL

URL :<https://socialsecurity.wb.gov.in>

A scheme of GoWB, which is promised to provide monthly assistance to women in age group 25-60 years of Rs 1200 (earlier Rs 1000) who belongs to SC/ST families and Rs 1000 (earlier Rs 500) to general category families. Aadhaar has been made mandatory in place of Swasthya Sathi enrolment since 1st April'2023. A *web-based application* for capturing the applications, verification, approval and processing of applications for monthly financial release of assistance to the approved beneficiary accounts.

- Aadhaar is mandatory, and requirement of Swasthya Sathi Card is waived off w.e.f. 01/04/2023
- Mandatory Bank Account for individual beneficiary
- Validation of Bank Accounts along with name validation
- Aadhaar Verification with authenticated Aadhaar through PDS (Khadya Sathi)
- De-duplication of Bank Account, Aadhaar, Mobile Number
- Maker, Checker, Approver architecture for flow of beneficiary data
- API Based Integration with SMS, Janma-Mrityu portal, track applications, CMO Grievance

**Achievement:** Successfully development and running Lakshmir Bhandar since August'2021 with present **beneficiary around 2.20 Crore** and monthly assistance of Rs. 2124.439 Cr. (Approx) disbursed in November '2025. Able to establish an automated pipeline to push all beneficiary and transaction to the Social Registry Portal

G2G and G2C



Jai Bangla

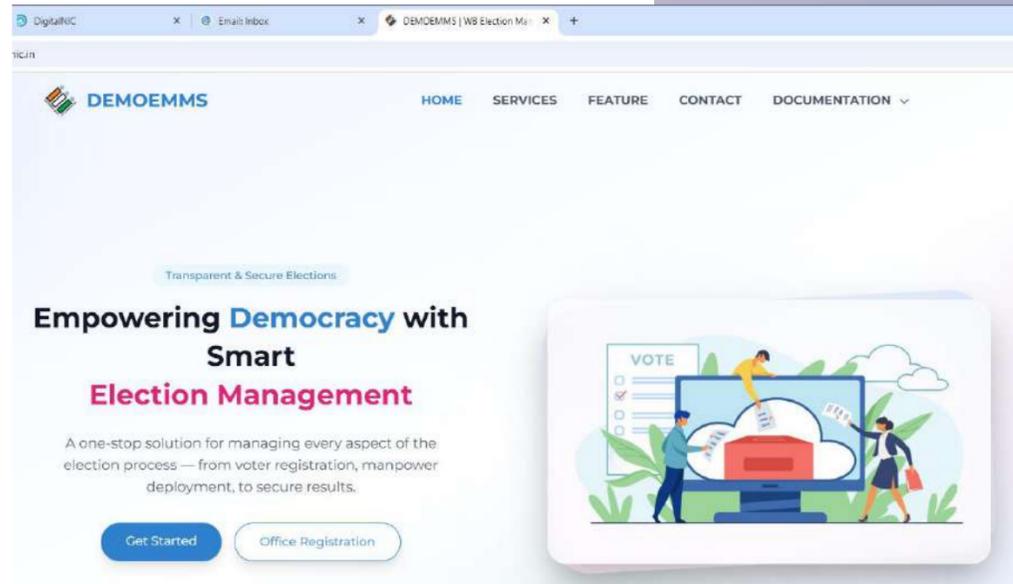
Technology Stack : Laravel, Kafka, PostgreSQL

URL :<https://jaibangla.wb.gov.in>

- One Umbrella Social Pension portal
- Multi-tier, Multi-tenant, Scalable, Configurable & Open Source architecture Online System for Application, approval and payment
- Aadhar Deduplication & Bank Account Deduplication Bank Account and Bank Account Name Validation Online Payment Directly to Bank Account
- 13 Schemes and 8 Departments on board
- API Based Integration for SMS and other portals
- Integration with IFMS and Bank (SBI) for payments
- Total Approved Beneficiaries : 80.78 Lakhs (Approx)
- Amount Disbursed in Nov'2025 : Rs 730.129 Crore (Approx)

**Achievement** Successfully development and running since March'2020 with present beneficiary around 80 Lakhs comprising schemes like Taposhili Bandhu, Jai Johar, Old Age Pension, Widow Pension, Manabik, Textile Pension, Agriculture Pension, Assistance to Lok Prasar Parishad etc. of eight departments with monthly assistance. Able to establish an automated pipeline to push all beneficiary and transaction to the registry Portal

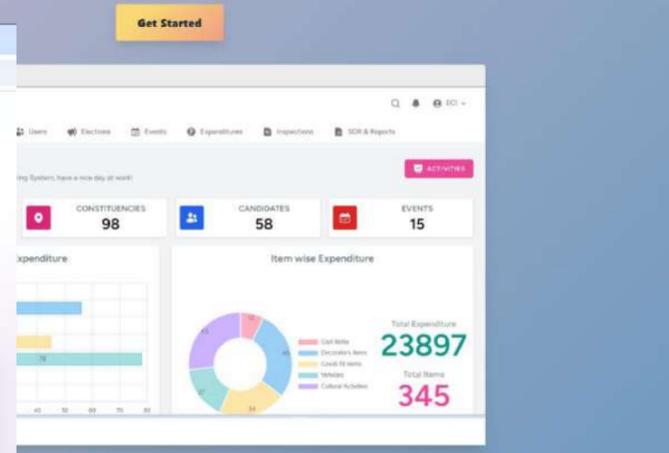
G2G and G2C



URL :<https://emms.wb.gov.in>

Candidate Expenditure Monitoring System

A unified portal to monitor Contesting Candidate related election expenditure as per ECI guidelines for Parliamentary and Assembly Elections



Technology Stack : Laravel, RabbitMQ, Redis, GitLab, DevSecOps, PostgreSQL

URL :<https://cems.wb.gov.in>

Election Manpower Management System (EMMS) and Candidate Expenditure Management System (CEMS)

EMMS is a solution for effective online management and deployment of Election Manpower for activities such as Polling Duties, Counting Duties, Sector Duties, etc. Dynamic, Rule and Role-based, Scalable, Configurable, self-supporting solution for single/multiple/simultaneous elections like Parliament, Assembly, Bye Elections. Implemented in Parliament Election 2024 and Assembly and Parliament Elections 2024.

- Online Collection / updation of Employee details
- Polling & Counting personnel Categorization, Randomization, Deployment
- Training Allocation
- Appointment Letter Generation
- SMS & email generation modules
- Generation of Payment files for paying remunerations of Polling / Counting Personnel and Micro Observers
- Postal Ballot & EDC
- Provision of Simultaneous Election
- Candidates Expenditure Monitoring with Shadow Observation Register



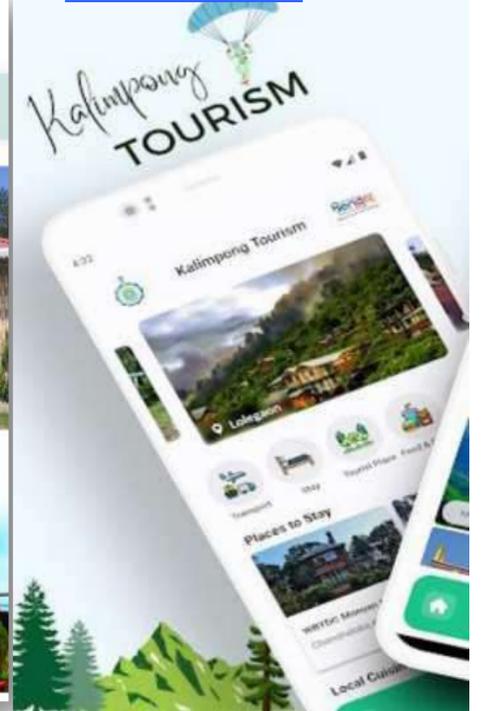
URL :<https://wbtourism.gov.in>

Technology Stack : Laravel, MongoDB PostgreSQL

Tourism Department Website and Mobile App of Kalimpong District Tourism

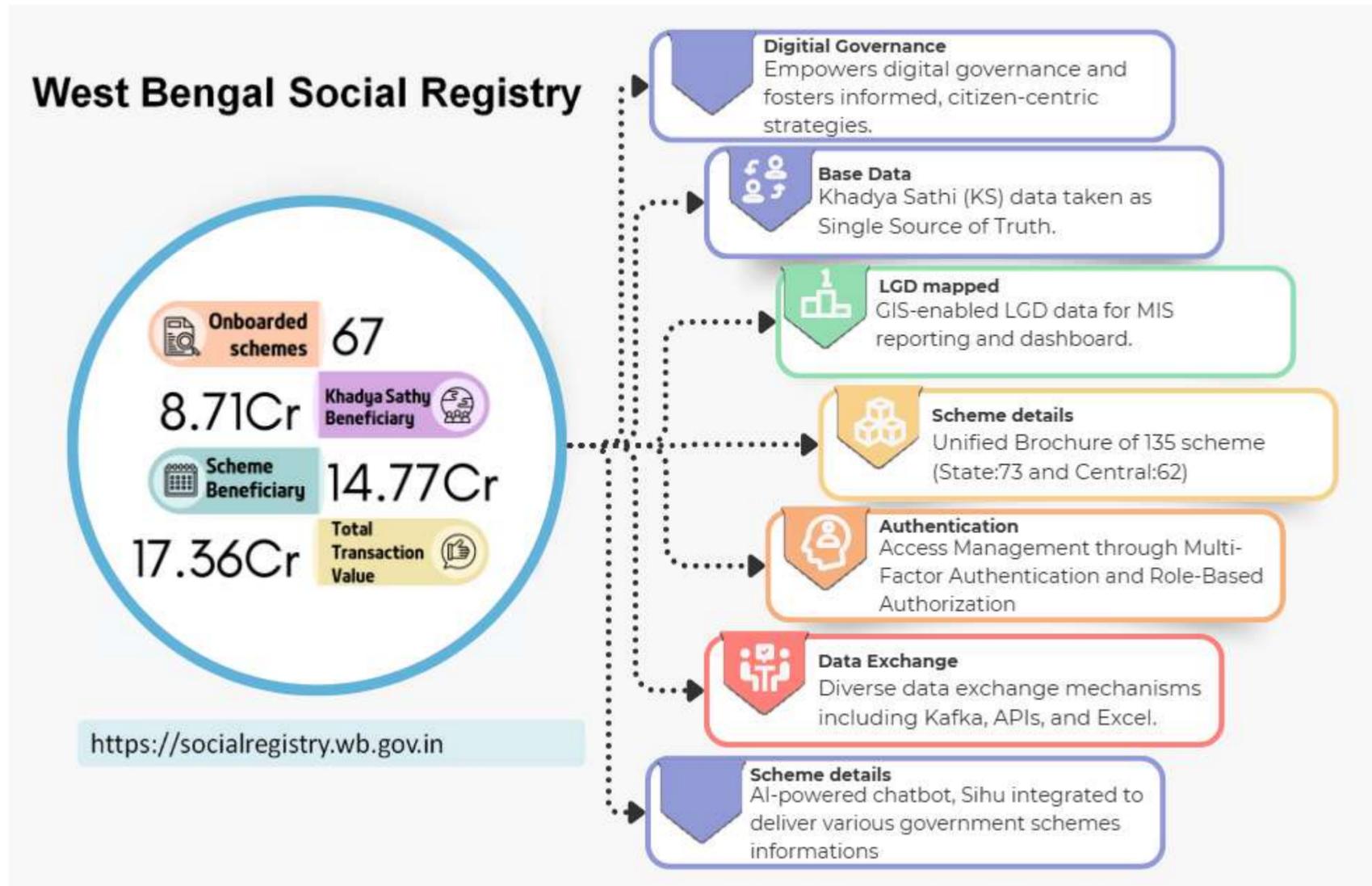
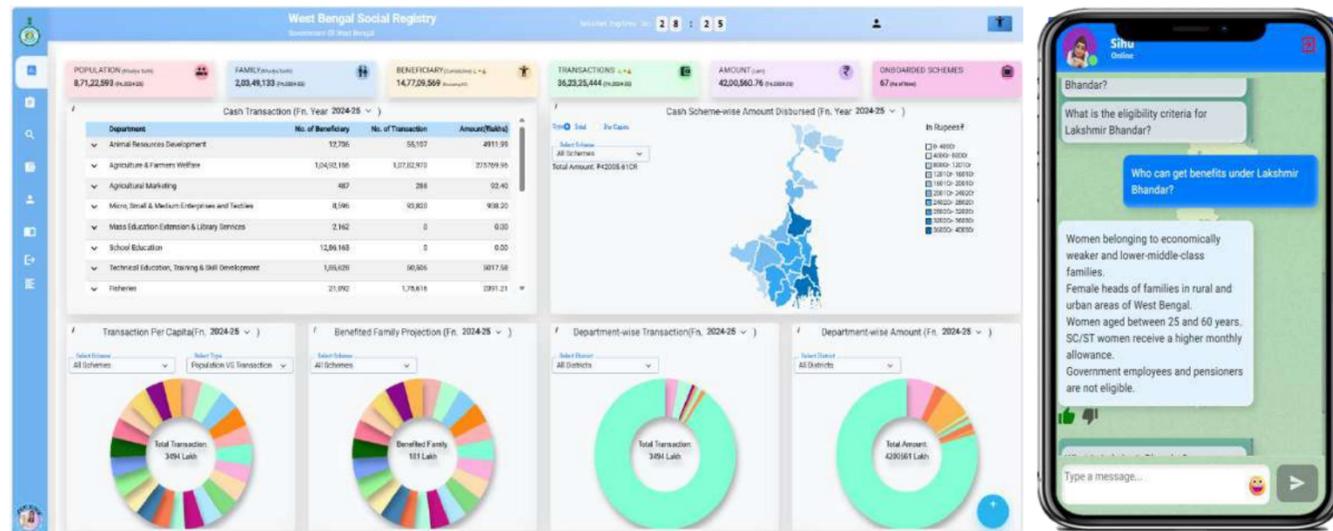
Integrated configurable web portal which serves as one-stop solution for Tourists. Stakeholders are allowed to enter into system to facilitate to work as per role. The App provides a platform for on-boarding of all Stakeholders like Hotel owners, Transport Operator, Home Stay owners, restaurant and eateries owners, District Administration etc.

G2G and G2C

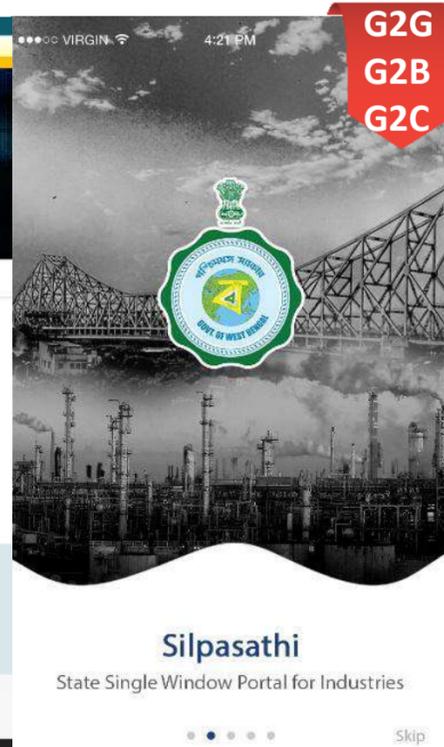
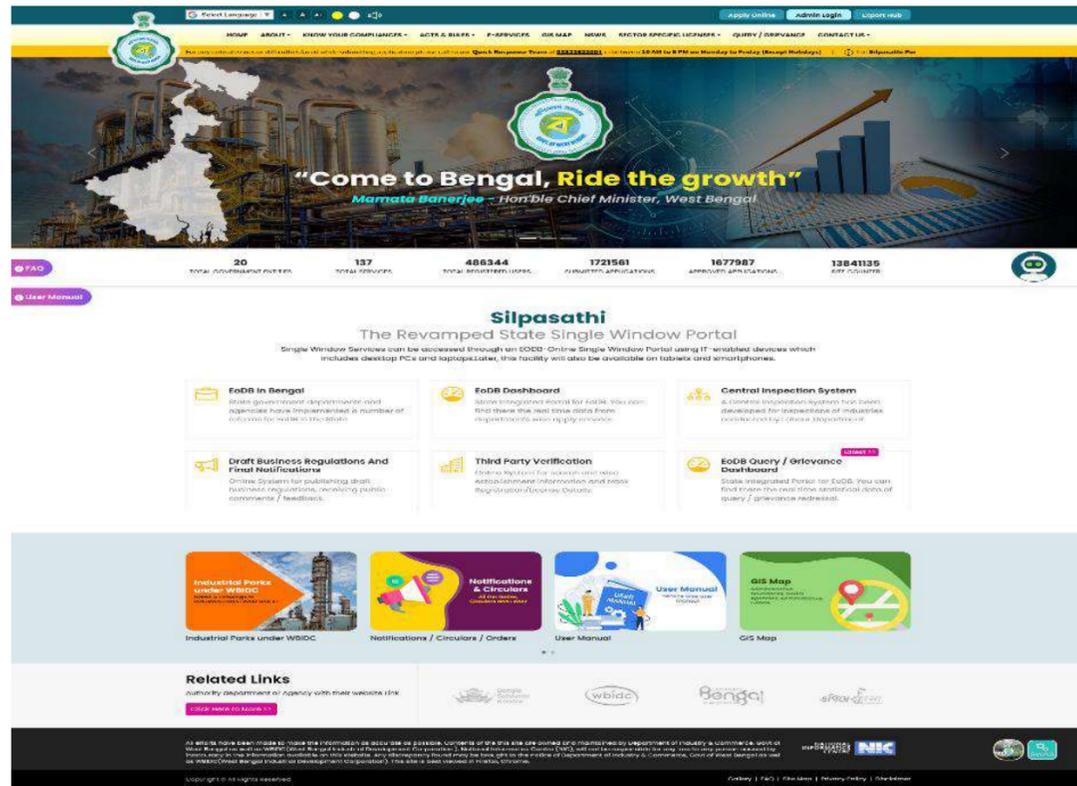




# State Projects: G2G



The West Bengal Social Registry System (WBSRS) is a centralized platform developed to monitor welfare scheme delivery across the state. Managed by the Finance Department, it currently integrated with 67 of 135 schemes—including 53 state and 14 central schemes. Data synchronization is enabled via Kafka (real-time streaming), APIs (system integration), and Excel uploads (for manually maintained schemes), ensuring flexible and comprehensive coverage.



Technology Stack : Drupal, PHP, REST API, PostgreSQL URL : <https://silpasathi.wb.gov.in/>

### Silpasathi – State Single Window Portal

**“Unified Single-window Portal for Businesses To Apply For Approvals, Licenses & Clearances Without Physical Touch-point”**

*It Serves As A Digital Gateway For Providing The Necessary Statutory Compliances Under The Applicable Acts, Rules, Policies And Schemes Of The Govt Of West Bengal. Investors Can Get Certificates And Licences Required For Setting Up And Operating Business In The State In A Smooth And Time-Bound Manner, Without The Need To Visit Any Government Department Or Office. In Addition, Silpasathi Kiosks Are Available At 23 Industry Facilitation Centres (IFCs) Located In Every District Of The State. The Ifcs Provide Handholding Support To The Investors Seeking Statutory Compliance Services From Silpasathi Portal.*

#### BENEFITS TO CITIZENS

**20+ GOVT. ENTITIES, 144+ SERVICES, 5.20 LAKHS+ REGISTERED USERS, 113 CRORE+TOTAL REVENUE GENERATED, 1836621 TOTAL LICENSES DELIVERED, 7116 GRIEVANCES ADDRESSED**



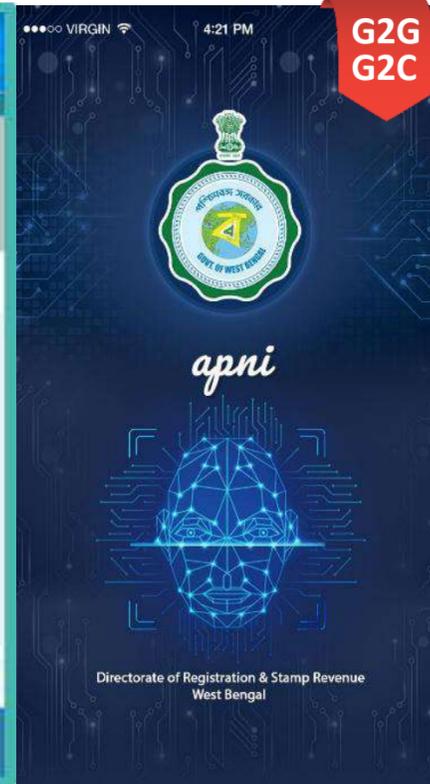
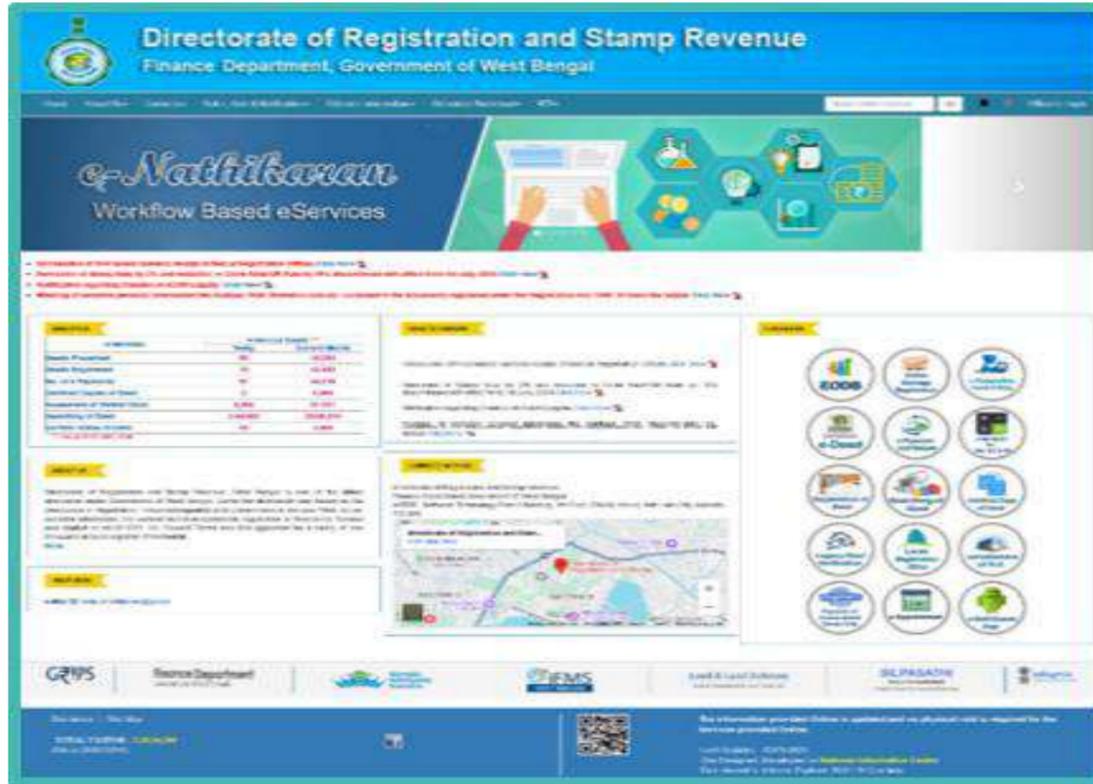
Technology Stack : CodeIgniter, Linux, REST API, PostgreSQL

URL : <https://bccs.wb.gov.in/>

### West Bengal Bhabishyat Credit Card Scheme

**“Opportunity, Access, and Enabling Local Enterprise Growth for Aspiring Entrepreneurs”**

The Bhabishyat Credit Card Scheme (BCCS) is a flagship initiative of the Government of West Bengal, designed to promote self-employment and entrepreneurial growth among the state's youth. Functionalities include mobile compatibility, intuitive system-guided workflows, and real-time application tracking, ensuring an accessible, transparent, and user-centric experience that enables aspiring entrepreneurs to navigate the loan process with confidence.



**Technology Stack :** .NET Framework, C#, SQL Server, Angular  
**URL :** <http://wbregistration.gov.in/>

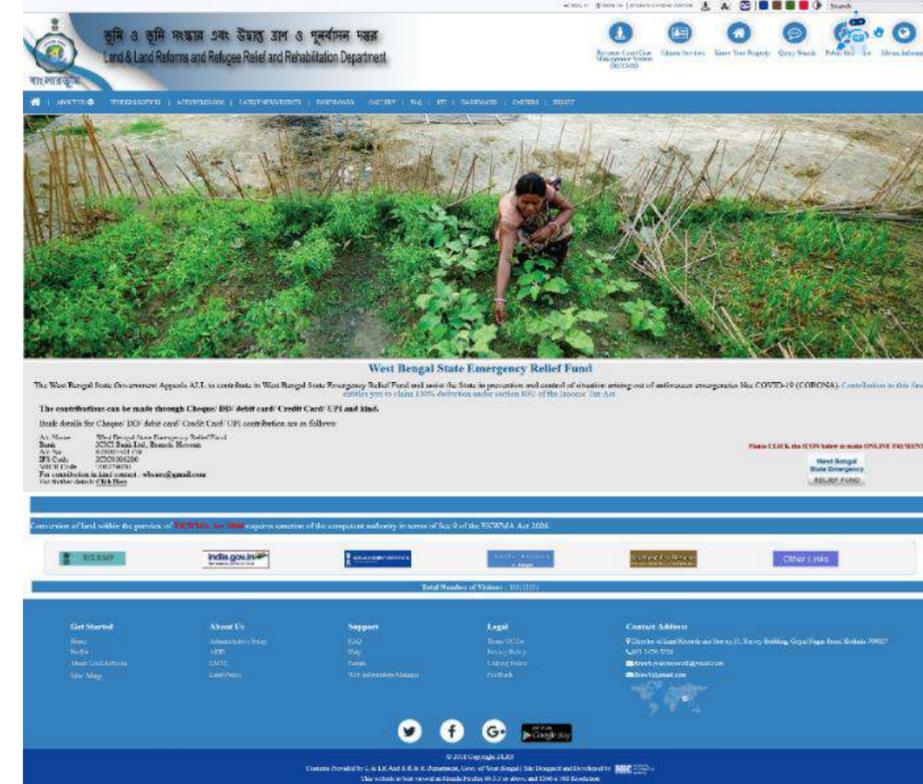
**Directorate of Registration and Stamp Revenue**

The e-Nathikaran system and the WbRegistration portal are key digital initiatives by the Directorate of Registration and Stamp Revenue (DoRSR), Government of West Bengal, aimed at modernizing the land and property registration process.

e-Nathikaran functions as a backend system used by registrar offices for secure scanning, indexing, and digital preservation of registered deeds. It supports document verification, audit trails, and role-based access, ensuring the integrity and traceability of registration records.

On the other hand, WbRegistration is a citizen-facing online platform that allows users to prepare deeds, calculate fees, pay stamp duty and registration charges, and schedule appointments with Sub-Registrar Offices. It simplifies the registration process, reduces manual intervention, and enhances transparency.

Together, these systems have enabled faster processing, secure storage, and better public access to land records, contributing significantly to e-Governance and service delivery in the state.



**Technology Stack :** J2EE, Struts 2 framework, Hibernate, SQL Server  
**URL :** <https://banglarbhumi.gov.in/>

**Land And Land Reforms And Refugee Relief And Rehabilitation Department**

**“In West Bengal, land-related e-Governance services are provided through two key applications: eBhuchitra and Banglarbhumi”**

eBhuchitra is a centralized, server-based web application operating over MPLS/VPN with WBSWAN. It maintains comprehensive land records and manages key processes like Mutation, Conversion, Lease, Vesting, and Bargadar/Pattadar management. Integrated with the Registration system under DILRMP, it enables contactless, automatic mutation case generation. It is also integrated with EoDB, eDistrict, Krishok Bondhu, and Food Supply systems for efficient service delivery.

Banglarbhumi ([banglarbhumi.gov.in](http://banglarbhumi.gov.in)), the official L&LR department portal

## G2G and G2C



Technology Stack : Laravel 10, PHP 8.1, Apache2.4, PostgreSQL 17

### NextGen Kanyashree Online 9.0

URL : <https://wbkanyashree.gov.in>  
<https://admin-kanyashree.wb.gov.in>

Kanyashree is a unique ICT driven Conditional Cash Transfer programme which aims at improving lives of millions of adolescent girls having poor socio-economic background by empowering the Girl Children with Educational Empowerment, Financial Empowerment and Social Empowerment. Kanyashree Online is the e-Governance programme of the scheme. Recently, the software stack of the programme has been upgraded to NextGen Kanyashree Online v9.0.

#### Statistics: November 2025

Enrolled Applications – 2,80,698  
 Sanctioned Applications – 4,14,919  
 Unique Beneficiaries – 1,18,393

#### Statistics: Since Inception (Oct 2013)

Enrolled Applications – 3.49 Crores  
 Sanctioned Applications – 3.41 Crores  
 Unique Beneficiaries – 96.2 Lakh



Technology Stack : Laravel 10, PHP 8.1, Apache2.4, PostgreSQL 17

### NextGen Rupashree Online 3.0

URL : <https://rupashree.wb.gov.in>

“Rupashree Prakalpa” is a flagship programme of GoWB for economically stressed families to provide cash assistance is Rs.25,000 at the time of their adult daughters’ marriages. Rupashree Online is the e-Governance mechanism of the scheme which provides end-to-end ICT enablement from beneficiary enrolment to direct benefit transfer.

#### Statistics since inception

Covered District – 24  
 Covered Block/Municipality – 473  
 Total Beneficiary – 19,69,053  
 Beneficiary – 30,292(November, 2025)

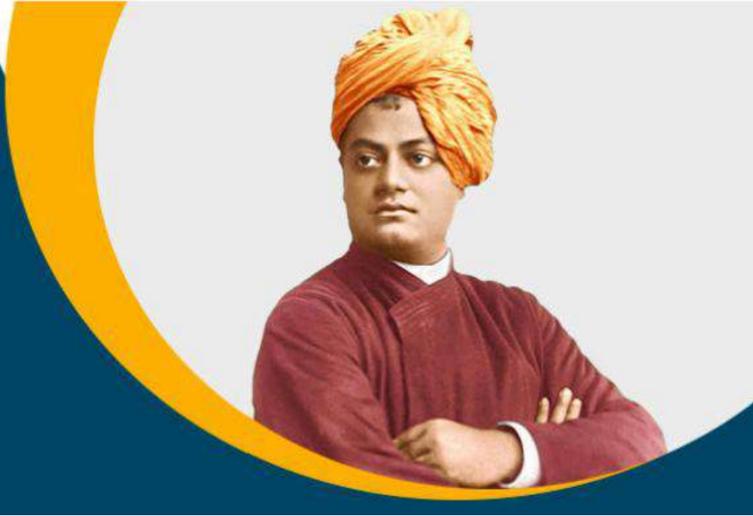
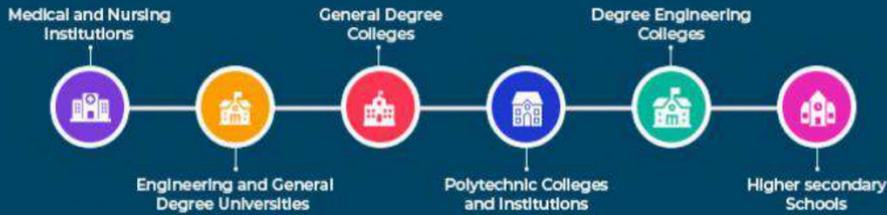


Renewal Application(2023-24) will be closed on 18.09.2025

1800-102-8014 | helpdesk.svmcm-wb@gov.in

"Education is the manifestation of the perfection already in the man."

- Swami Vivekananda



Technology Stack : Bootstrap, HTML-5, CSS-3, JavaScript, JQuery, PHP, NGINX, REDIS, PostgreSQL

URL :<https://svmcm.wb.gov.in>

### Swami Vivekananda Merit-cum-Means Scholarship

Swami Vivekananda Merit-cum-Means scholarship Scheme is introduced to provide scholarship to meritorious but poor students studying class XI/XII, UG, PG, M.Phil. or Ph.D. course in General Degree, Medical, Technical etc. category in the state of West Bengal. More than 31L students are benefitted since the inception of this web portal and more than Rs.5400 Cr are disbursed through the SVMCM-IFMS integrated portal to the scholarship beneficiaries. There are nearly 10000 institutions come under this portal. Yearly scholarship amounts range from ₹12,000 to

### BENEFICIARY DISTRIBUTION BY SOCIAL



## Student Credit Card Scheme

Collateral security free loan up to ₹10 Lakhs @ Nominal Simple Annual interest.



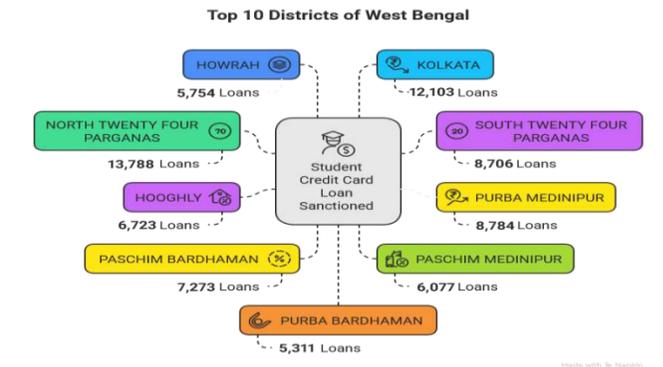
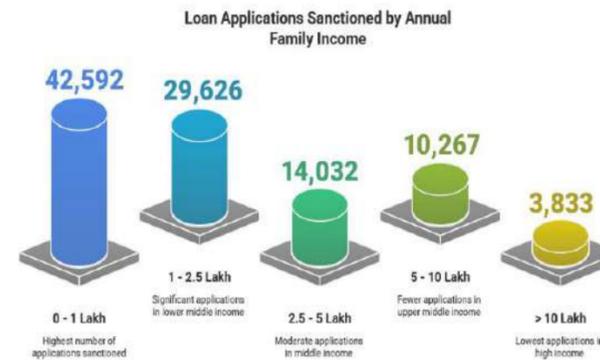
Important Message: Download MoU

Technology Stack : Bootstrap, HTML-5, CSS-3, JavaScript, JQuery, PHP, CodeIgniter, Apache, PostgreSQL

### Student Credit Card Scheme

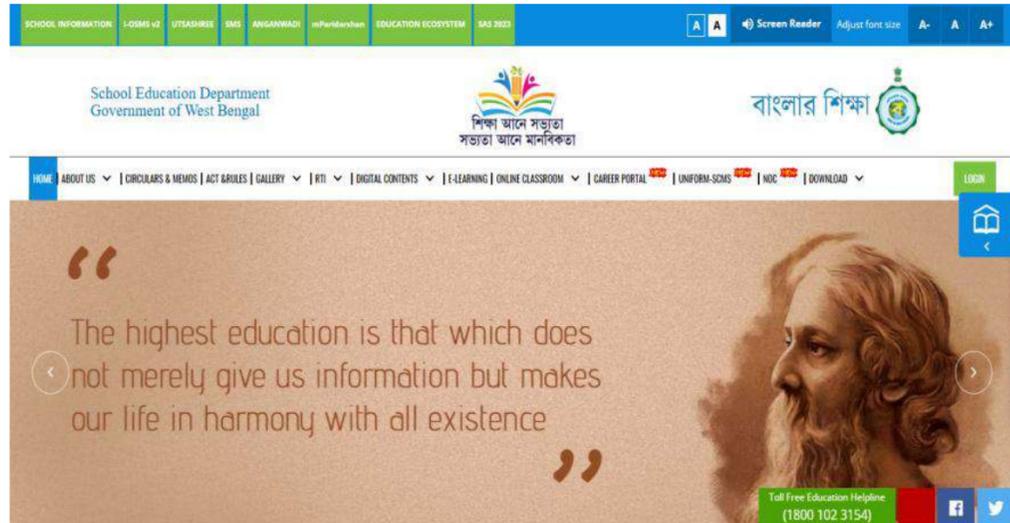
URL :<https://wbcc.wb.gov.in>

Launched on June 30, 2021, the West Bengal Student Credit Card (WBSCC) Scheme provides collateral-free educational loans of up to ₹10 lakh at a subsidized 4% simple interest for students up to the age of 40 for studies in India or abroad. Digitally Delivered by NIC, this end-to-end paperless, automated, and transparent system streamlines processes from student registration to loan disbursement. 88,948 Loan application has been sanctioned worth ₹3,245.95 Cr till now [data : 19-05-2025].





## State Projects



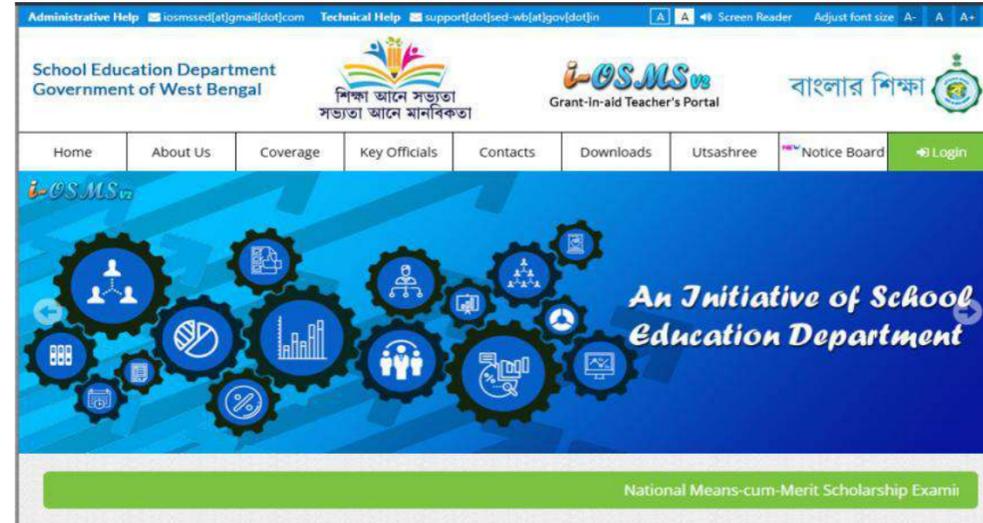
<https://banglarshiksha.wb.gov.in>

### Banglar Shiksha Portal

Technology Stack : PHP, CodeIgniter, Bootstrap, PostgreSQL, Apache

This platform is designed to facilitate efficient data management and academic monitoring across all levels of school education, from Pre-Primary to Class XII, ensuring transparency, accountability, and improved governance. The Primary stakeholders are Head of Institutions, Sub-Inspector of schools, District Inspector of Schools and Directorate of School Education.

- Total No. of Schools : **95416**
- Total No. of Students : **17698776**



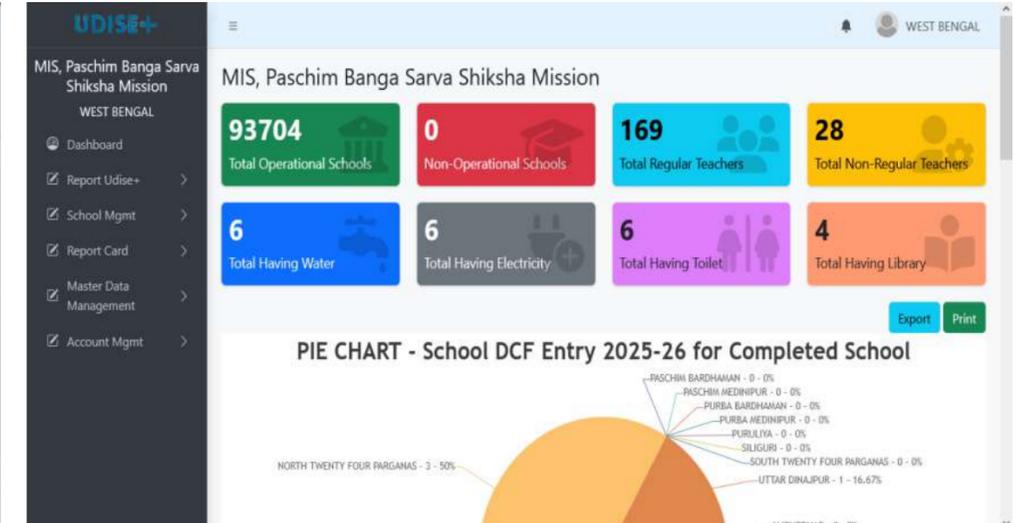
<https://banglarshiksha.wb.gov.in/iosms>

### Integrated Online Salary Management System (IOSMS)

Technology Stack : PHP, Bootstrap, jQuery, PostgreSQL, Apache

IOSMS (Integrated Online Salary Management System) is West Bengal's digital platform for effortless salary and service management of school staff. It automates payroll via IFMS, manages digital pension/service records, enables easy transfers, pay slip access, and salary increments.

- No. of Primary School Teachers: **49146**
- No. of Secondary School Teachers : **213813**
- Monthly Salary Disbursement : **Rs. 2155Cr (Approx.)**



<https://schoolinfo.banglarshiksha.gov.in>

### Unified District Information System for Education Plus (UDISE)

Technology Stack : PHP, CodeIgniter, Bootstrap, PostgreSQL

UDISE+ is an online Management Information System by the West Bengal School Education Department that collects real-time data from all recognized schools (Pre-primary to Class XII) since 2019-20, used for planning, resource allocation, program implementation, and monitoring key school performance indicators nationwide.

- Total Teaching Staffs : **581191**
- Total Non-Teaching Staffs : **33151**

G2G and G2C

G2G and G2C



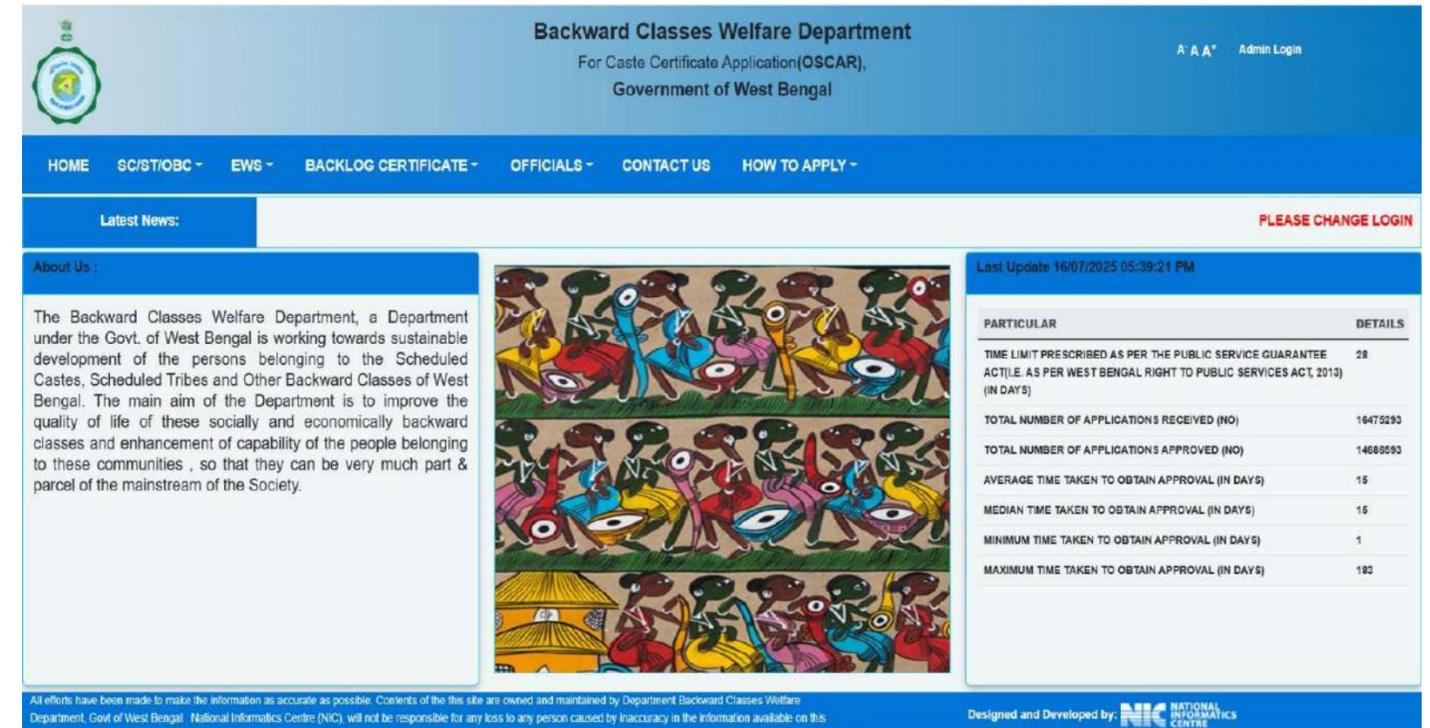
Technology Stack : Laravel, MongoDB, PostgreSQL

COALRR

<https://eccoalrr.in/>

The COALRR portal is designed to simplify the land acquisition process by providing a transparent and accountable digital platform to stakeholders. It facilitates Compensation, R&R benefits, GIS Mapping and better monitoring and reporting.

- **Total Plots:** 74,603
- **Acquired Area:** 34,931.1742 Acre
- **Total Khatians:** 14,352
- **Total Owners:** 7,569



Technology Stack : Laravel, NAPIX, PostgreSQL

OSCAR

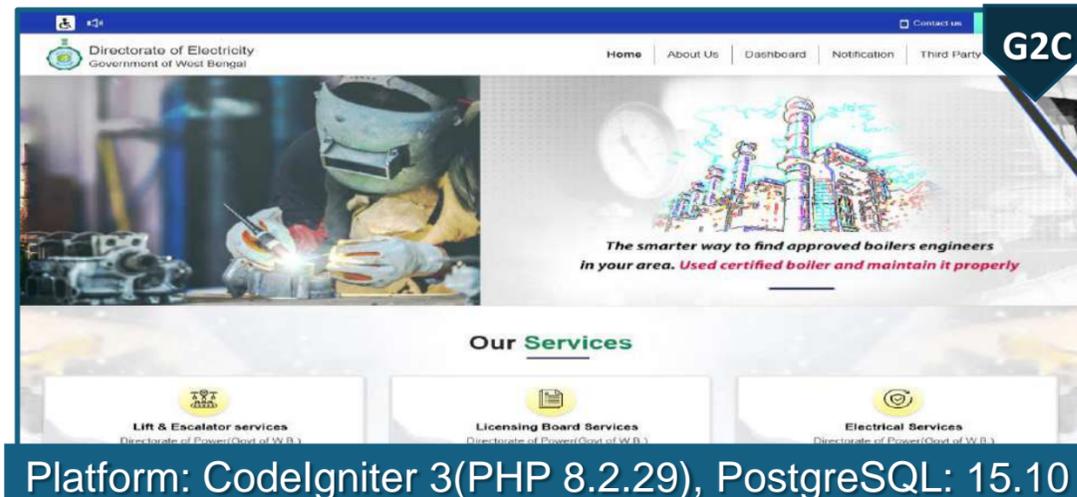
<https://castcertificatewb.gov.in/>

The Backward Classes Welfare Department, a Department under the Govt. of West Bengal is working towards sustainable development of the persons belonging to the Scheduled Castes, Scheduled Tribes and Other Backward Classes of West Bengal.

- **SC,ST,OBC Application:** 1,95,24,330
- **SC,ST,OBC Certificates:** 1,72,21,232
- **EWS Applications:** 72,958
- **EWS Certificates :** 59,850



## State Projects



### e-Services of Directorate of Electricity, Department of Power

<https://doepower.wb.gov.in>

Directorate of Electricity (DOE), WB is a vital component of the Power Department, responsible for overseeing the efficient functioning of electricity services. With a focus on modernization and service excellence, DOE offers a range of services to meet the diverse needs of stakeholders.

- No. of License Delivered for Lift & Escalator Services : **51520+**
- No. of License Delivered for Inspection Services : **3710+**
- No. of License Delivered for Licensing Board Services : **49420+**



### Web Application of the Department of Power

<https://wbpower.gov.in/>

The Department of Power, Govt. of West Bengal, manages electricity generation, distribution, and regulation. Its portal offers online services like licensing, new connections, and grievance redressal. The ICT platform ensures transparency with digital applications, payments, and certificate issuance.

- No. of Consumers across West Bengal : **1.8 Crore+**
- No. of renewable energy projects under implementation : **100 MW+**
- No. of Major Utilities : **4 ( WBSEDCL, WBSETCL, WBPDCCL & CEI)**



## e-Allotment of Rental Housing Estates, Housing Department

<https://wbhousing.gov.in/>

The Department of Housing, West Bengal, offers accommodation through 13,800 RHE flats across 23 districts, with 35 government RHEs (types A, B, C, D, VIP) available in Kolkata.

To enhance transparency and efficiency, NIC developed the e-Allotment portal, providing end-to-end digital service from application to QR-based license generation and flat occupancy.

- ❑ No. of Total RHE Flats Across West Bengal : **13,800**
- ❑ No. of Government RHEs Available in Kolkata Region : **35**
- ❑ No. of Flat Types: **A, B, C, D & VIP**



## Portal for Youth Services and Sports, Department of Youth Services & Sports

<https://sportsandyouth.wb.gov.in>

To create scope and opportunities for the overall benefit of the youth in order to lead them to the right path enabling them to serve the nation and to promote and inculcate sports culture among the youth of the state through competitive spirit, camaraderie and sportsmanship.

- ❑ No. of youth computer training centres: **986**
- ❑ No. of certificate courses: **9**
- ❑ No. of diploma courses: **7**
- ❑ No. of advanced diploma courses: **3**
- ❑ No. of vocational training centres: **14**
- ❑ No. of mountaineering courses: **6**



## Modified West Bengal Textile Incentive Scheme, Directorate of Textile

<https://textiles.wb.gov.in>

The Directorate of Textiles, West Bengal, oversees development across handloom, powerloom, hosiery, silk weaving, and garment sectors. Through the WBTIS portal, the government extends fiscal incentives to bolster the entire textile value chain—from raw fiber to finished garments.

- No. of Registered Users : **201**
- No. of Application Approved : **23**
- No. of Total Approved Amount : **1746.0164 Lakh**
- No. of Power Textiles Registered : **30**
- No. of Handloom Textiles: **125**



## e-Services for Marketing Incentive, Directorate of Textile

<https://tantibandhu.wb.gov.in>

The Marketing Incentive Scheme supports West Bengal's handloom sector by promoting sales, improving competitiveness, and boosting productivity. Jointly funded by the Government of India and Government of West Bengal (50:50), the scheme offers 10% incentive on average sales turnover to eligible handloom agencies for up to 3 years. This helps handloom cooperatives upgrade infrastructure, attract customers, and grow sustainably. The project is under development.



## e-PBGSBS Management System, Department of Animal Resource Development

<https://pbgsbs.gov.in>

Paschim Banga Go-Sampad Bikash Sanstha is a state initiative for breed improvement, cattle health, and livestock development. It enables scientific cattle breeding, AI services, insurance, and farmer support through digital monitoring systems.

- No. of Nos. of AI worker & Pranimitra registered to the system : **22003**
- No. of Nos. Cattle are tagged to the system : **7966556**
- No. of Total artificial insemination done : **9534664**
- No. of Total calves born reported : **1694653**

G2G and G2C



URL :<https://wbic.wb.gov.in>

Technology Stack : Cake PHP, MySQL

AppComs and Dynamic Web site of West Bengal Information Commission

Highlights

Appeal and Complaint Management System for West Bengal Information Commission is a web-based application developed in line with the Central Information Commission and customised as per need.

This application facilitates online application for complaint, registration, hearing, and final order through a workflow-based mechanism.

A dynamic website for the Commission has also been developed and integrated with AppComs. To facilitate the need of the WBIC and Citizen.

Key Features

Offers a comprehensive end-to-end ICT-based solution to facilitate the mandate of WBIC to deal with RTI applications, appeal and its disposal

- Covers features of DAK entry, scrutiny, hearing, day to day case proceedings, and disposal of cases with necessary orders by the Information Commissioners
- Encompasses a Maker, Checker, and Approver architecture to facilitate the seamless flow of citizens' appeals and complaints
- A robust and user-friendly platform for G2C, and G2G services relating to Right to Information



Government of NCT of Delhi  
Department of Excise

LOG IN

About Us + Facts & Figures + Acts, Rules & Orders + Right to Information + Feedback + Track & Trace + User Manuals +

ABOUT US

Department of Excise, NCT of Delhi : Revenue is the most important input for an able, efficient and resourceful administration. In India since ancient times, there has been a well planned, well defined, clear, strong and just system of revenue collection. With the passage of time there have been changes in the system of revenue collection. Today we find various tax free items, which were earlier used to be taxed. According to the needs of changing times and a big gap between sources of livelihood and the resources, new sources of revenue have also been developed. To provide a self reliant administration for a welfare state, making efforts for developing new sources of revenue while plugging loopholes in the existing ones is an increasing necessity.

More

e-Abkari-Delhi  
Delhi Excise Department

Track Your Bottle

Locate Your Vend

Vend Wise Stock

Dry Days

Lodge Your Complaint

Login

Develop and maintained by National Informatics Center

ভারত সরকার Government of India স্বাস্থ্য ও পরিবার কল্যাণ মন্ত্রণালয় Ministry of Health & Family Welfare

পশ্চিমবঙ্গ চিকিৎসা পরামর্শ সমিতি  
West Bengal Medical Counselling Committee  
Admission and eCounselling Services

Home About Us UG Medical & Dental PG Medical PG Dental UG AYUSH PG AYUSH Contact Us

LATEST NEWS WB NEET UG Medical & Dental Round 2 Registration started... New

INTRODUCTION

Online Counselling and admission to various Post-Graduate (PG) and Under-Graduate (UG) courses in Medical, Dental and AYUSH at the State level are being conducted by West Bengal Medical Counselling Committee (WBMCC), formed by the Department of Health and Family Welfare, Government of West Bengal under the chairmanship of the Director of Medical Education, GoWB.

UG Medical and Dental Counselling

Candidates who have qualified through NEET-UG conducted by National Testing Agency (NTA) during the current academic year are eligible to participate in State Online Counselling for Under-Graduate Medical and Dental Courses for State Quota seats in Government Medical and Dental Colleges with State Quota, Management Quota and NRI Quota Seats in Private Medical Colleges and State Quota, Management Quota in Private Dental Colleges in West Bengal. 85% State Quota seats for Under-Graduate courses (MBBS/BDS) are being allotted through Online Counselling at the State level.

G2G, G2B

eAbkari for NCT Delhi

URL : <https://eabkari.delhi.gov.in>

G2C

Medical Counselling

URL : <https://wbmcc.gov.in>

**The eAbkari Project covers the core activities of eAbkari:**

- Ensuring public health through Regulation and intelligence, Enforcement Measures.
- Excise License Management to render 360 Degree profile of Excise Licenses.
- Minimum consumption maximum revenue ensured
- Inventory management at all Excise Nodes.
- Excise Revenue Management
- Excise Licensing creation and Renewal.
- Label Registration of Packaged Liquor.
- Issuance of NOC/Permit / Passes / EVCs with status tracking at all hierarchal levels.
- Supply Chain management using QR Code based EAL on Bottle / Cases.

**Statistics**

- ✓ No. of Licensees: 4132
- ✓ No. of Permits : 16,13,770
- ✓ Corporation Bottle Sold : 58.61 Cr.
- ✓ HCR Bottle sales : 4.06 Cr.
- ✓ Country Liquor sales: 2.23 Cr.
- ✓ Total Revenue : 4070.1 Cr.

**The Counselling Project covers the core activities of WBMCC:**

- Centralized Medical Counselling Platform
- Real Time Merit Based seat Allotment
- Streamlined registration & Application Process
- Document verification and Eligibility validation
- Dynamic Seat matrix and vacancy update
- Multi-Round Counselling Workflow
- Institution wise and course wise Reporting dashboard
- Automated Allotment letter & Admission Status
- Offers timely support and resolution through Helpdesk integration, FAQs and user Guidance documentation.

**Statistics**

- ✓ No. of Counselling Projects: 5
- ✓ Total Seats : 8,418
- ✓ Total candidates : 26.44 Lakhs
- ✓ Total Registered Candidates: 19,993
- ✓ Total Revenue: 3.66Cr.
- ✓ Total Admitted: 6,965



### CMS Portal (Content Management System & Reporting)

- User Authentication and Authorization
- Form based Entry and Update of Schemes
- Entry of Scheme Status
- Reporting Workflow
- Report Compilation at State Level
- Data Visualization and Analysis
- Notifications and Alerts
- User Management
- Data Export
- Security Features
- Reporting Categories and Templates
- Data Quality Checks
- Demonstration to The Transport Department

**Achievement:** Project Demonstration presented to the Honorable Minister in Charge, Department of Transport, Government of West Bengal, in the presence of senior officials, the Joint Secretary, and the Special Secretary. The Honorable Minister was pleased to see the project and acknowledged our efforts in initiating and developing it within a short span of 11 working days.

**Statistics:** NA

### G2G and G2C

URL: At present in a development phase

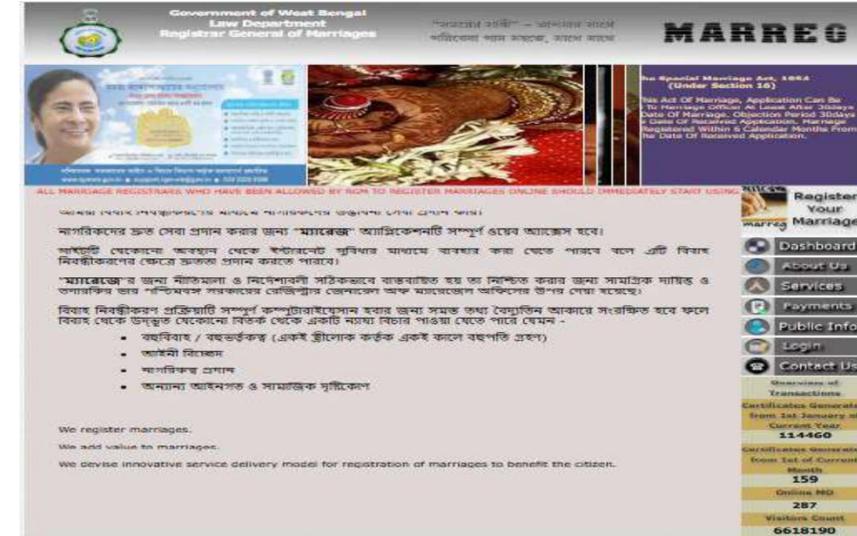
Technology Stack : Laravel PostgreSQL, Bootstrap jQuery, Highcharts JS



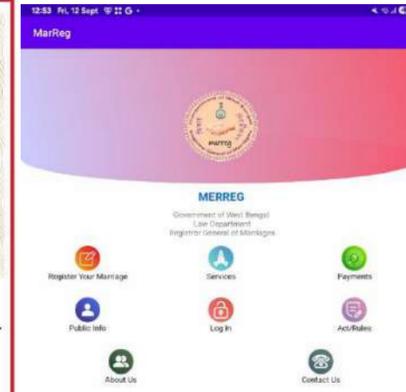
### Objectives:

An online e-Governance application portal will be developed for the Transport Department West Bengal for deployment at World Wide Web. The portal will enhance dissemination of information e.g. Notices, Tenders, policies, schemes, programmes etc. of the Department and enable e-services for the citizens by the department. The proposed e-Governance portal will be a comprehensive umbrella portal for all the Directorates and Wings of the Transport Department. NIC-WBSC is entrusted by Transport Department to design, develop, host & implement the online web application portal for the e-governance mechanism of the Department which provides a single-window & end-to-end ICT enablement. NIC-WBSC will act as the technical consultant as well as partner for providing ICT solution to the Department to successfully implement the programme. The proposed e-Governance application will be developed using latest version of open-source software stacks and in a configurable way so that content management can be done by designated officials of user department using their secure login account and virtual dashboard.

## MARRIAGE REGISTRATION IN WEST BENGAL



<https://rgmwb.gov.in> G2G and G2C



### Technology Stack

- ASP.NET
- MS SQL SERVER

<https://comtax.wb.gov.in>

Technology Stack: JAVA, ORACLE, SPRING MVC

## HIGHLIGHTS

- MARREG portal has been introduced on and from 01.12.2018 for registration of marriages under Special Marriage Act 1954 and Hindu Marriage Act 1955 through online mode. The Govt. of West Bengal has made this marriage registration mandatory through online portal on and from 01.06.2019. Till date **684583** nos. of marriages under Special Marriage Act 1954 and **435436** nos. of marriages under Hindu Marriage Act 1955 has been registered through this portal. The introduction of the portal has benefitted the parties to the marriages and registration to register their marriages seamlessly. They can apply online themselves from their desktop or even using their mobile phone. They can choose the appropriate Marriage Officer properly, as per their choice avoiding any middle man. By the introduction of this online marriage registration; Bigamy, Polygamy and child marriages have been intercepted successfully. Now by capturing biometric detail through the portal; administration is trying to identify properly the parties and the witnesses of the respective registration. So that the above-mentioned goals can be attend more effectively.

Achievement: SKOCH SILVER AWARD FOR E-governance 2024

## HIGHLIGHTS

Active Tax payers as on 31st Mar 2025	4,38,333
Total Revenue Collection During Financial Year 2024-2025	1,33,785 Cr.

End-to-end ICT solution is provided for transparent, efficient, easily accessible services to the citizens for good governance covering all business functionalities under West Bengal State Tax, Value Added Tax, Central Sales Tax, Entry Tax, Goods & Service Tax <https://wbcomtax.gov.in>. Presented below is a brief of achievements and data for October 2025.

### IMPACT

- Service availability anytime & anywhere
- Increased Tax collection & Tax base
- Better detection of Tax Evasion, Revenue Leakage & Frauds

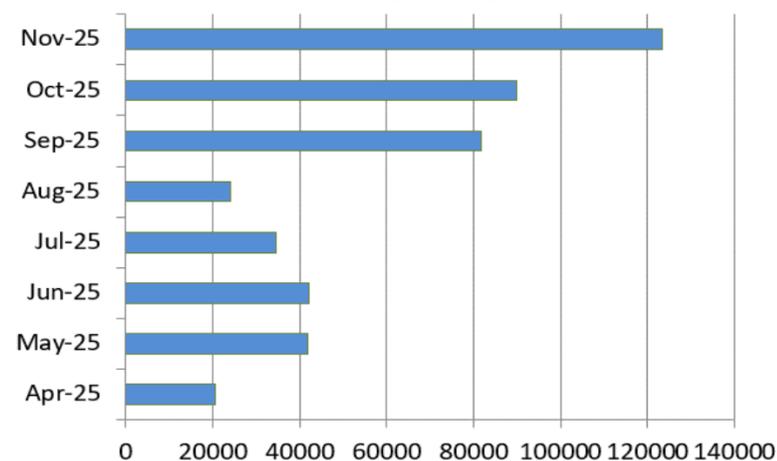
**GePNIC IN WEST BENGAL**

<https://wbtenders.gov.in> G2G and G2C

**Technology Stack:**



Month Wise No. of Tenders published for the Financial Year 2025-26



**During November 2025**

<b>#Value</b> -₹ 116 Crores	<b>#Tenders</b> 1,23,276
--------------------------------	-----------------------------

**Cumulative Since Inception**

<b>#Bidders/ Contractors</b> 85554	<b>#Departmental Users</b> 19609
---------------------------------------	-------------------------------------

**Cumulative Since Inception**

<b>#Value</b> -₹ 7351 Crores	<b>#Tenders</b> 22.26 Lakh
---------------------------------	-------------------------------

**Active registered Organizations: 9026**

**HIGHLIGHTS**

**TRAINING SESSIONS IN NOVEMBER 2025**

- 1. Ministerial Staff of Forest Department, Govt. of West Bengal** held at NSATI, Block FC, Sector III, Salt Lake, Kolkata-700106 held on 14.11.2025. 28 officials attended the training
- 2. WRI & DD, Govt. of West Bengal** held at NSATI, Block FC, Sector III, Salt Lake, Kolkata-700106 held on 20.11.2025. Around 30 officials attended the training.
- 3. Regional Institute of Correctional Administration (RICA), 1/1, Reservoir Road, Dum Dum, Kolkata-700028** on 27.11.2025. Around 22 officials attended the training.
- 4. Engineers of WRI & DD, Govt. of West Bengal** held at NSATI, Block FC, Sector III, Salt Lake, Kolkata-700106 held on 28.11.2025. Around 30 officials attended the training

The Government of West Bengal is using NIC eProcurement platform since 2009. Earlier it was funded under eProcurement Mission Mode Project.

Since 2018, State Govt. is funding the project implementation on Capex and Opex basis for an estimated load of 1,00,000 (One lakh tenders per annum)

Since Sep 2023, regular huge increase in numbers of tenders floated per month was witnessed around 40-50,000 per month from an estimated average of 10,000 tender per month. This was a result of the State Govt's decision to extend electronic tendering feature to all Zilla Parishads. This exponential rise in tenders has been handled efficiently by the GePNIC team so that the decision could be honoured.

### G2G and G2C



#### West Bengal Data Center

URL :<https://statecloud.nic.in>

#### TECHNOLOGY STACK

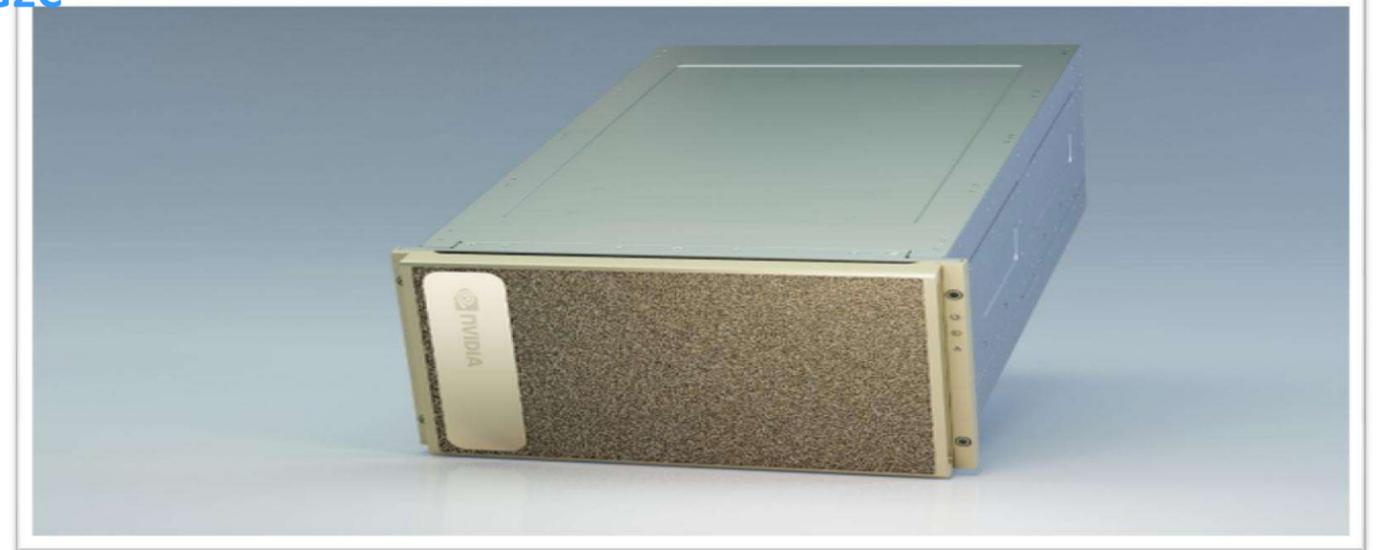
- Application Servers: Apache 2.4.62, IIS 8/10, Nginx 1.25
- Database Servers: PostgreSQL 12/13/15/16, SQL Server 2008 R2/2012/2019, MariaDB 10.3/10.5/10.11
- Operating Systems: AlmaLinux 8.5/8.10, CentOS 7.9/8 Stream, Ubuntu 18.04/20.04, Windows Server 2012

#### HIGHLIGHTS

- West Bengal Mini-Cloud delivers IaaS & PaaS to GoWB & NIC projects
- 410 VMs, 34 cloud accounts, 38 backup services, 70 public IPs provisioned
- Hosting 46 departmental websites, with 9 still active (November 2025)
- Built on 12 physical servers with 6 TB RAM & 210 TB storage
- High-speed connectivity of 10G / 25G / 40G across services
- Supports backend hosting, DevSecOps CI/CD, code repositories & development environments
- Ensures high availability, scalability & secure hosting for citizen-facing services

#### STATISTICS

Total Websites hosted: 46, Active Websites (still running): 9, Total VMs provisioned: 410, Cloud Accounts: 34, Backup Services: 38, Public IPs: 70, Load Balancers: 6



#### AI Supercomputing Platform – DGX A100 Integrated

#### TECHNOLOGY STACK

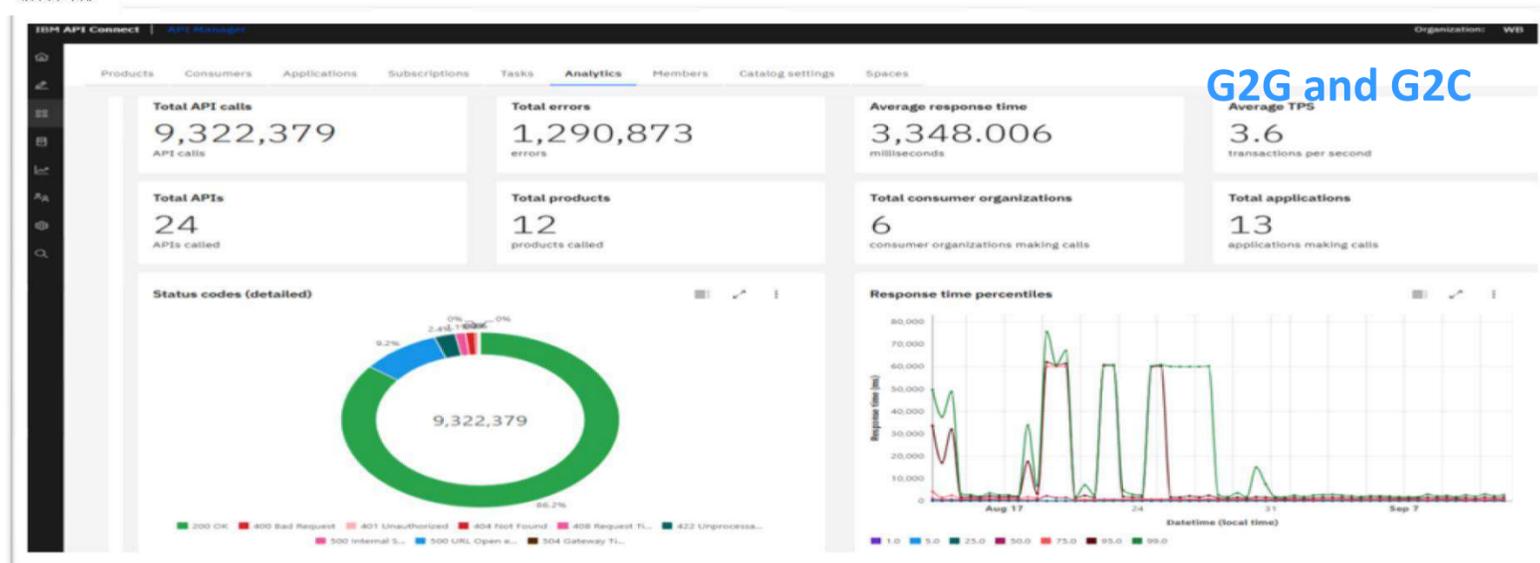
- AI Compute: NVIDIA DGX A100
- Orchestration: Kubernetes Master Node & Worker Node
- Network & Integration: Mini-DC high-speed network
- Deployment Environment: NIC Kolkata Mini DC

#### HIGHLIGHTS

- DGX A100 GPU node deployed at NIC Kolkata Mini Data Centre
- Integrated with Kubernetes for container orchestration
- Part of AI infrastructure stack under Mini-DC deployment
- Supports scalable AI-driven services for government departments
- Provides high-performance computing (HPC) backend
- AI Abhigyan, AI Nibhrit & AI based Similarity search, RAG based Multi modal Chatbot etc application are running.
- MIG based 22 Pods are running all over India for AI/ML model training
- More than 20+ POC application hosted.
- Total 70+ POD running

#### STATISTICS

- AI Compute Node: 1 x DGX A100
- Kubernetes Cluster: Master + DGX Worker Node
- Deployment Location: NIC Kolkata Mini Data Centre
- Application Category: AI Infrastructure / HPC



**API Calls Received: 7.26+ Crore since inception.**  
**API calls for the month of August: 1.07 Crores**

## WB NAPIX Gateway & Analytics

URL :<https://wb-gateway.napix.gov.in>

### TECHNOLOGY STACK

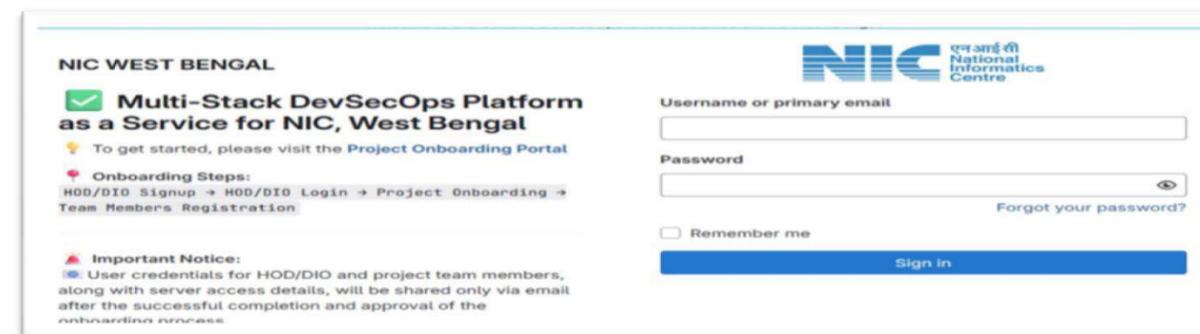
- API Gateway & Infrastructure: WB NAPIX Gateway
- Analytics & Monitoring: Elasticsearch (3-node cluster), Kibana dashboards
- Networking: Public IPs for secure external access
- Integration: Backend SDC systems, NICNET

### HIGHLIGHTS

- 102 APIs and 50 products published in production environment
- Deployed on 3 public IP-enabled Gateway servers with a Sandbox environment
- Elasticsearch 3-node cluster for log storage; Kibana dashboards for real-time analytics
- Logs retained for 3 months
- Enables secure communication between SDC and external clients
- Centralized API management and monitoring for efficient digital service delivery

### STATISTICS

API Calls Received 12.30+ crore  
 APIs Published (Production) 102+  
 Products Published (Production) 50  
 Sandbox Tenant Forms Received 16+  
 Public IPs Allocated 4 (3 Gateway + 1 Sandbox)



## Unified DevSecOps Framework for Secure, Multi-Stack CI/CD Automation

URL :<https://gitlab.wb.nic.in>

### TECHNOLOGY STACK

- Version Control & CI/CD: GitLab (HA), GitOps (ArgoCD)
- Containerization & Orchestration: Docker, Kubernetes
- Security & Quality: SonarQube, integrated DevSecOps tools
- Infrastructure & Templates: App/DB servers, runners, pre-configured CI/CD templates for multiple stacks

### HIGHLIGHTS

- 2 Project groups have been onboarded using technology stack JavaScript,PHP,Python,Java
- One AI application deployed to Kubernetes platform
- Centralized DevSecOps platform for all NIC WB application teams
- Secure, multi-stack CI/CD automation using GitLab (HA), Kubernetes, Docker, and Container Registry
- Pre-configured technology-specific CI/CD templates (Python, PHP, Java, .NET, React)
- Integrated security tools (e.g., SonarQube) for code quality & compliance
- Centralized infrastructure provisioning (App/DB servers, runners)
- Dedicated onboarding portal: [register-gitlab.wb.nic.in](https://register-gitlab.wb.nic.in)
- Supports GitOps (ArgoCD) for automated deployments

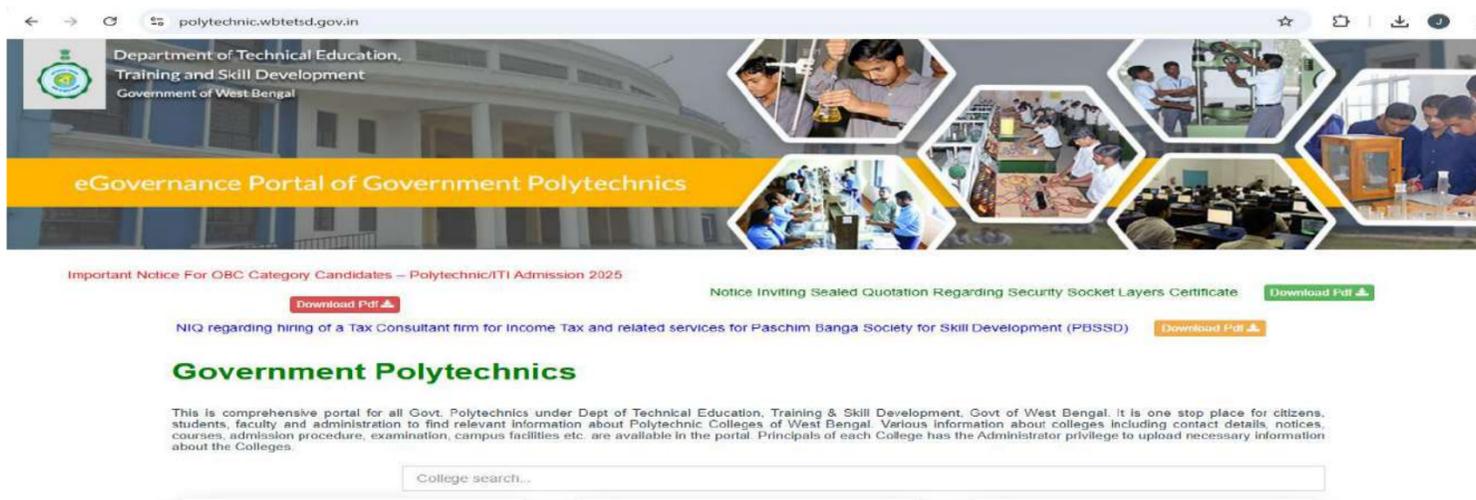
### STATISTICS

GitLab High-Availability Instances: 2+  
 Kubernetes Worker Nodes: Multiple (Mini-DC integrated)  
 Container Registry : S3-compliant  
 CI/CD Templates Available: 5+ (Python, PHP, Java, .NET, React)  
 HODs/DIOs Onboarded via Portal: Ongoing / Dedicated portal  
 Integrated Security Tools: SonarQube, etc



सत्यमेव जयते

# State Projects: G2C



<https://polytechnic.wbtetsd.gov.in>

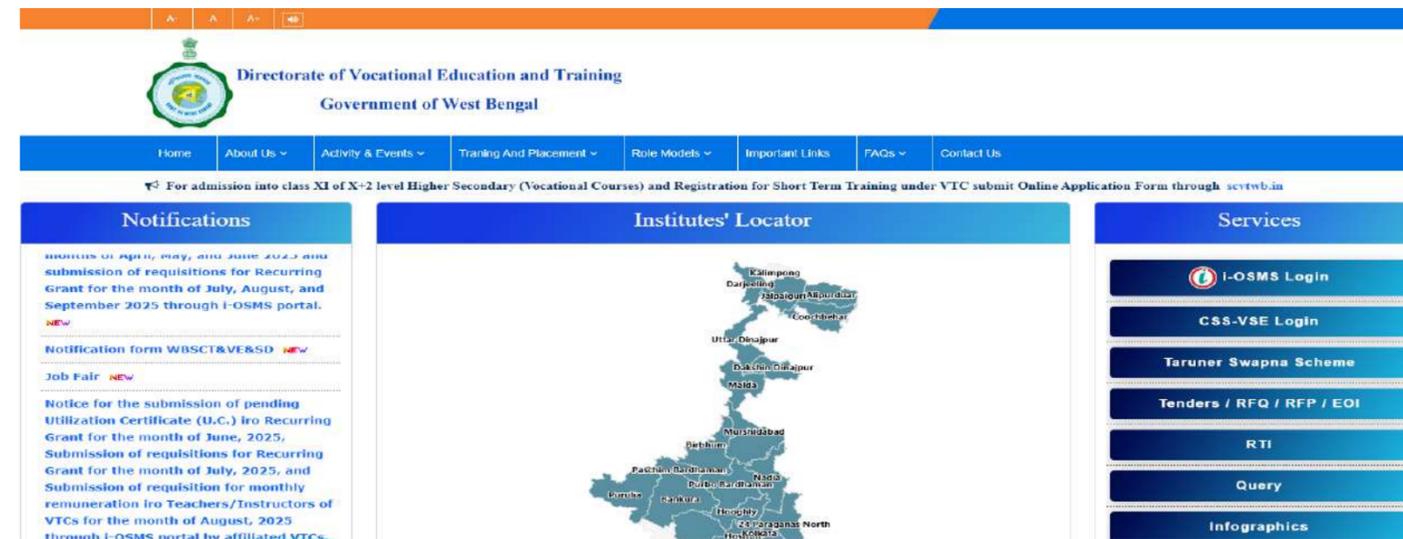
eGovernance Portal of Govt. Polytechnics

Technology Stack : PHP, CodeIgniter, Bootstrap, PostgreSQL, Apache

This is comprehensive portal for all Govt. Polytechnics under Dept of Technical Education, Training & Skill Development, Govt of West Bengal. It is one stop place for citizens, students, faculty and administration to find relevant information about Polytechnic Colleges of West Bengal. Various information about colleges including contact details, notices, courses, admission procedure, examination, campus facilities etc. are available in the portal. Principals of each College has the Administrator privilege to upload necessary information about the polytechnics.

❖ Centralized information System: Provides a unified platform for managing academic, and administrative activity of Govt. Polytechnics.

- Total No. of Active Employees : **2850**
- Total No. of Routine Created : **280252**
- Total No. of Class Execution: **2296147**
- Total No. of Stock Entered: **29647**



<https://dvet.wb.gov.in>

Integrated Online Salary Management System for DVET (i-OSMS)

Technology Stack : PHP, CodeIgniter, Bootstrap, PostgreSQL, Apache

i-OSMS, West Bengal's Integrated Online Salary Management System for DVET, digitizes Vocational Trainer/Instructor management. It automates payroll via IFMS and handles service records, pay slips, salary increments and also disburses financial aid to each eligible student under the Taruner Swapno scheme on a single, streamlined platform.

- No. of Vocational Institute: **2586**
- No. of Vocational Teachers/Instructor : **11126**
- Monthly Salary Disbursement : **Rs. 839 Cr (Approx.)**

## G2G and G2C



## Child Marriage Reporting and Tracking System Production URL: <https://cmrts.wb.gov.in>

### Highlight

CMRTS portal has been developed for reporting and recording Child Marriage cases in West Bengal.

### Impact:

Total No. of Interventions reported in CMRTS portal: 12,089 Enhanced value to citizen:  
End-to-end ICT enabled solution

### Technical Stack

CodeIgniter 3, PHP 7.4, Apache2.4,  
PostgreSQL 13

### Statistics since inception

Intervention Reported – 12,089  
Home Enquiry Done – 10,264  
Follow-up Done – 40,261

### Statistics: November, 2025

Intervention Reported – 603  
Home Enquiry Done – 307  
Follow-up Done – 2115



## State Projects

### Integrated Online Salary Management System (i-OSMS DVET) Version 2.0

<https://dvet.wb.gov.in/>

#### HIGHLIGHTS

**Seamless Salary Management:** Automated salary processing with IFMS integration.

**Recurring Grant Management:** Recurring grant disbursement for VTC with IFMS.

**Taruner Swapna:** Disbursement of amount RS- 10000 for each student under Taruner Swapna Scheme.

**Online P-TAX Processing.**

**Profile Management:** Secure profile updates for employees.

**Barcode Based Report Authentication System.**

**Employee Benefits:** Timely processing of bonuses, Appraisal and other benefits.

**FAQ SYSTEM Related to VTC with Maps.**

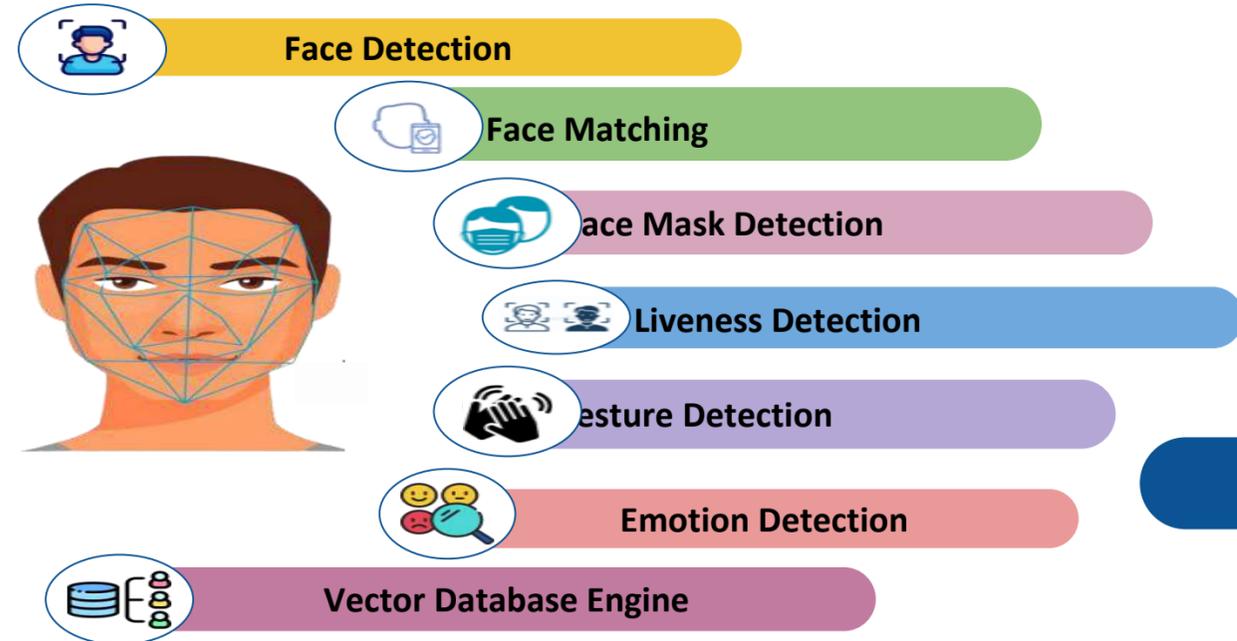


Graph for Remuneration



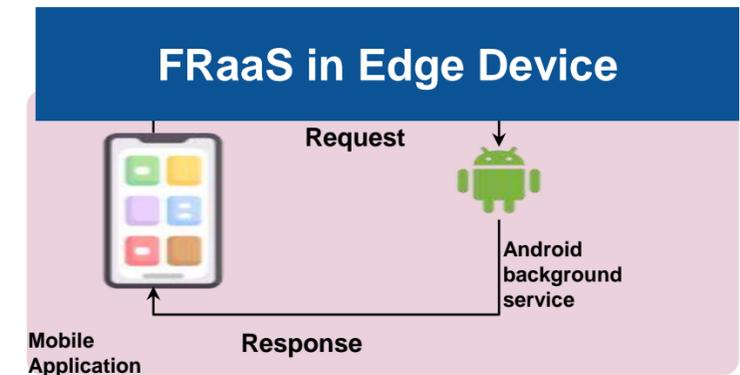
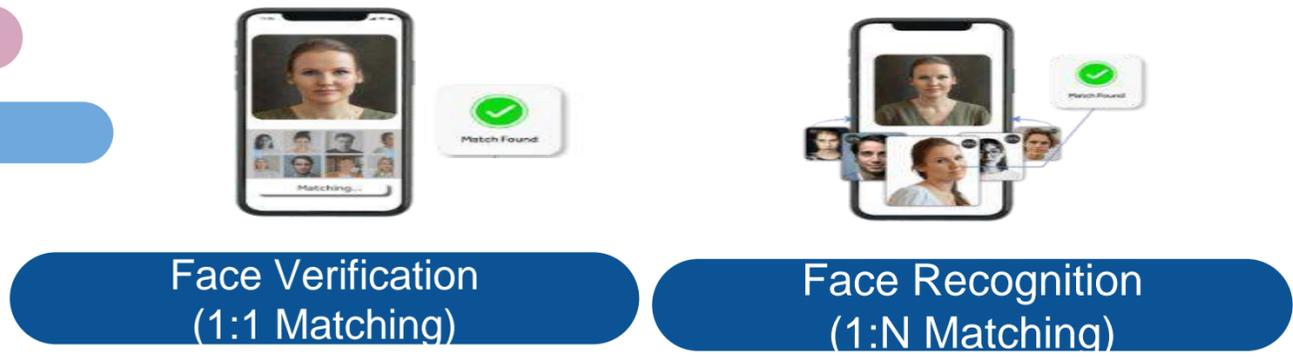
- No of VTC – 2586
- No of Teacher/ Instructor – 11126
- Monthly Remuneration Disbursement – RS 117635352
- Late Drawl Disbursement – RS 599116
- Monthly Recurring Grant Disbursement – RS 1,32,74,446
- Number of active beneficiaries under Taruner Swapna Scheme – 63904
- Disbursement of Tab fund under Taruner Swapna scheme RS - 494940000

CoE AI Lab, Kolkata  
Face Recognition as a Service



Features of FRaaS

Generic-Workflow of FRaaS



CoE AI Lab, Kolkata

Face Recognition based Attendance System (FRBAS)



FRBAS - PBSSD



FRBAS - School (Proposed)



FRBAS (offline) - Agristack



FRBAS - Employee Attendance



FRBAS - Anganwadi (Proposed)



FRBAS - ARD (Proposed)

CoE AI Lab, Kolkata  
FRBAS - Utkarsh Bangla (Technical Education Dept)



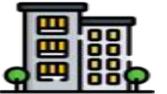
FRBAS-PBSSD



SI No	Trainee Code	Trainee Name	Group Attendance Time	Difference in Meter
1	[REDACTED]	[REDACTED]	2022-03-10 16:20:46.592102	20.287210190321
2	[REDACTED]	[REDACTED]	2022-03-10 16:20:46.676073	20.287210190321

Group Attendance

 3,58,649 Trainers and Trainees Registered

 3401 Skill Development Training Centre On-boarded

 10.32 crore API hit Generated for capturing Attendance since inception

 1.06 crore API hit Generated for marking Attendance in November, 2025

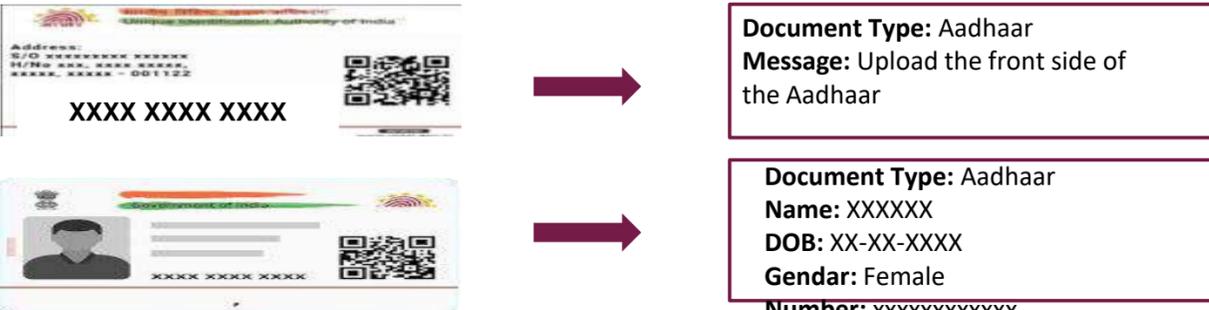
CoE AI Lab, Kolkata

**AI Abhigyan - AADHAAR**  
(Specialized Service for Information Extraction from Aadhaar Card)

**1** Corrects Rotated/Skewed Aadhaar Images

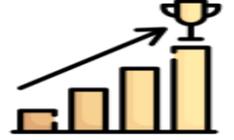


**3** Identifies front and back side of the Aadhaar



**Document Type:** Aadhaar  
**Message:** Upload the front side of the Aadhaar

**Document Type:** Aadhaar  
**Name:** XXXXXX  
**DOB:** XX-XX-XXXX  
**Gender:** Female  
**Number:** xxxxxxxxxxxx

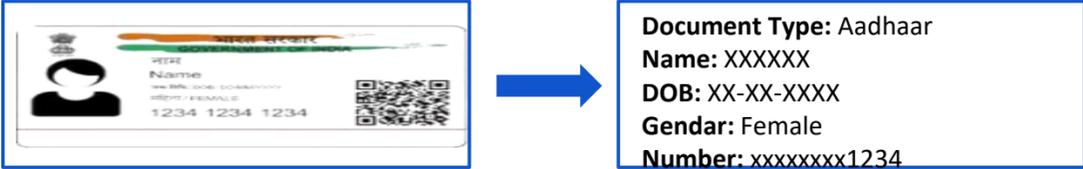


**1.26 Crore API hits recorded Since inception**

**2** Validate the alignment of Aadhaar card



**4** Information extraction



**Document Type:** Aadhaar  
**Name:** XXXXXX  
**DOB:** XX-XX-XXXX  
**Gender:** Female  
**Number:** xxxxxxxx1234



**5.47 lakh API hits recorded in November, 2025**



### State Projects

CoE AI Lab, Kolkata

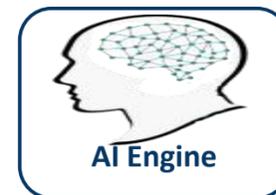
### AI Shirshankh AI-Enabled Person Count Services of NIC

#### HIGHLIGHTS

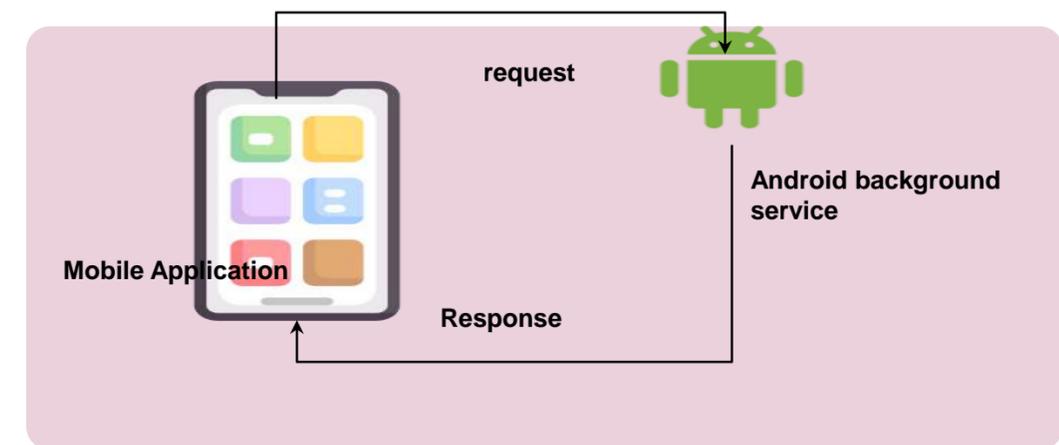
Being implemented in NREGA Mobile Monitoring System (NMMS) under the MGNREGA Project, initiated by the Ministry of Rural Development in both online & offline mode.



Captured image



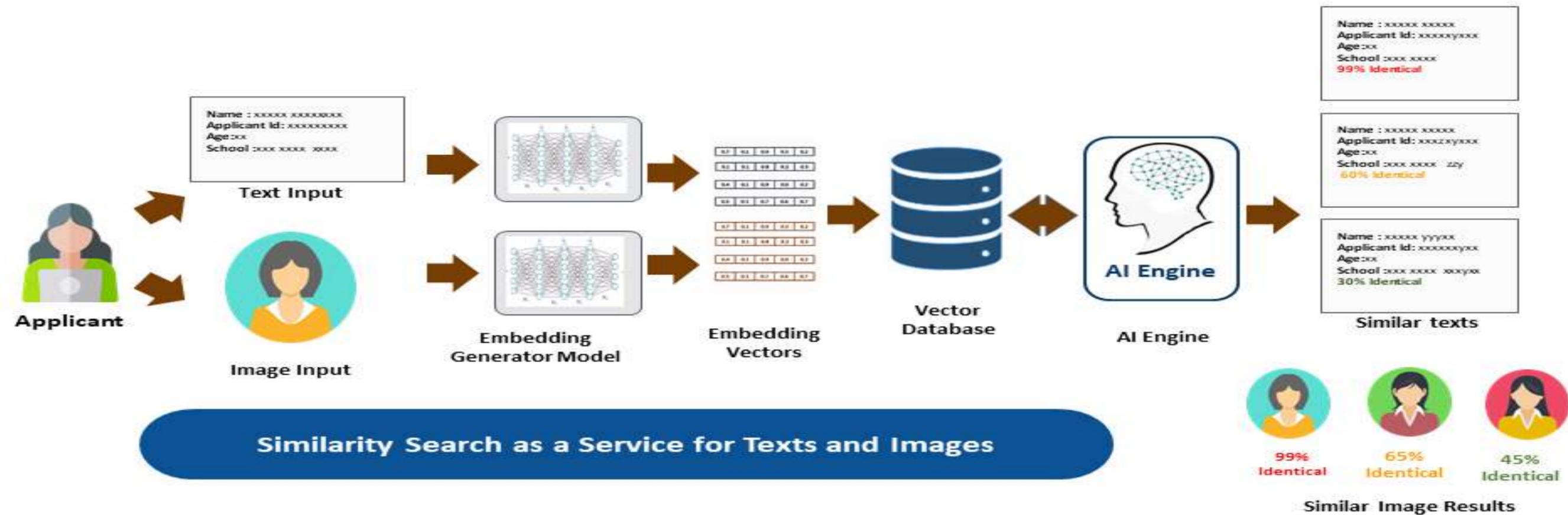
Person count : 10



## State Projects

CoE AI Lab, Kolkata

AI enabled beneficiary de-duplication service



### Statistics since inception

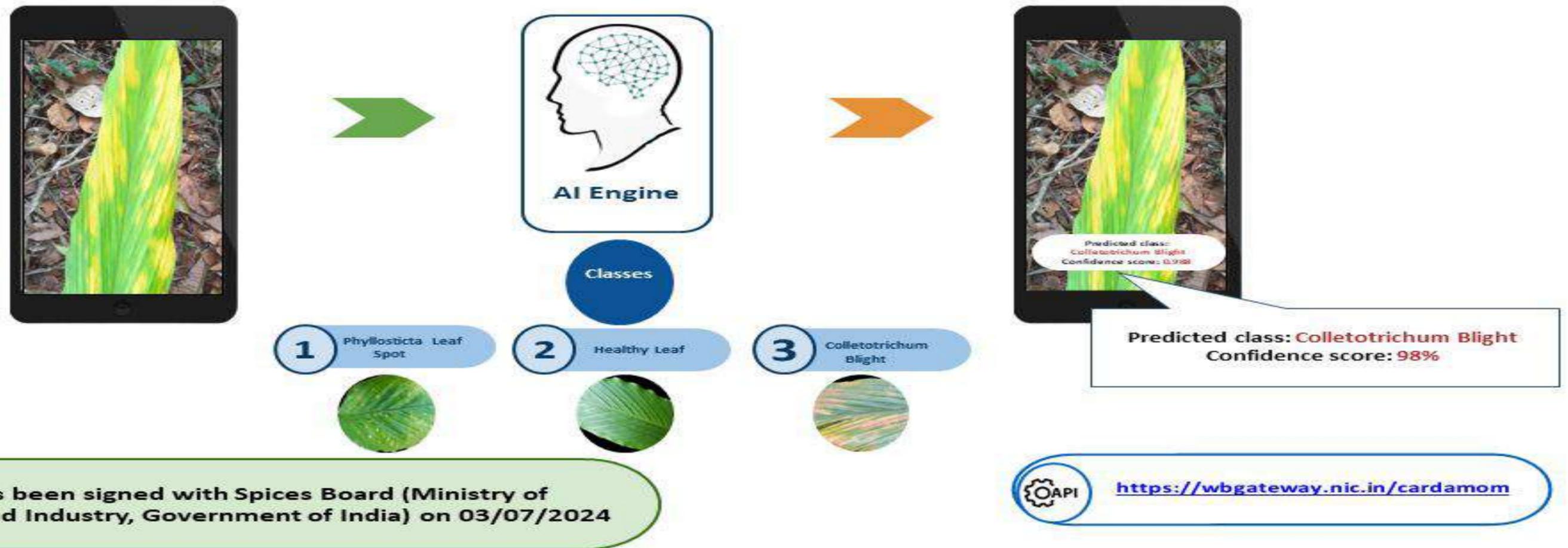
AI Transaction in Kanyashree – 3.22 Crores  
AI Transaction in Rupashree – 59 Lakhs

### Statistics November 2025

AI Transaction in Kanyashree – 1,95,111

CoE AI Lab, Kolkata

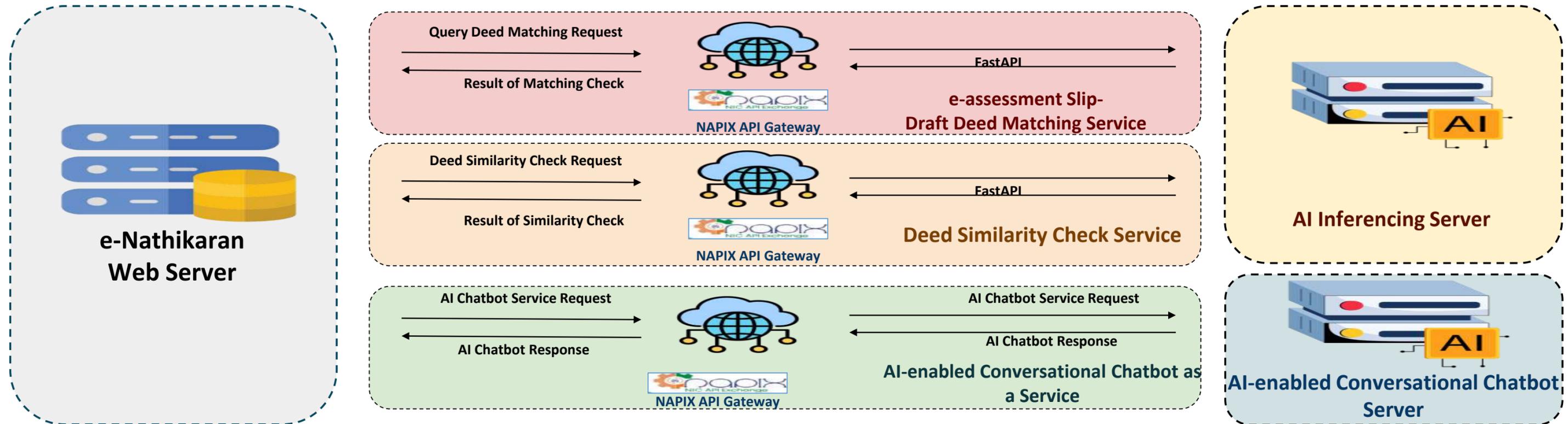
AI Enabled Cardamom Leaf Disease Classification



State Projects

CoE AI Lab, Kolkata

AI Services for e-Nathikaran

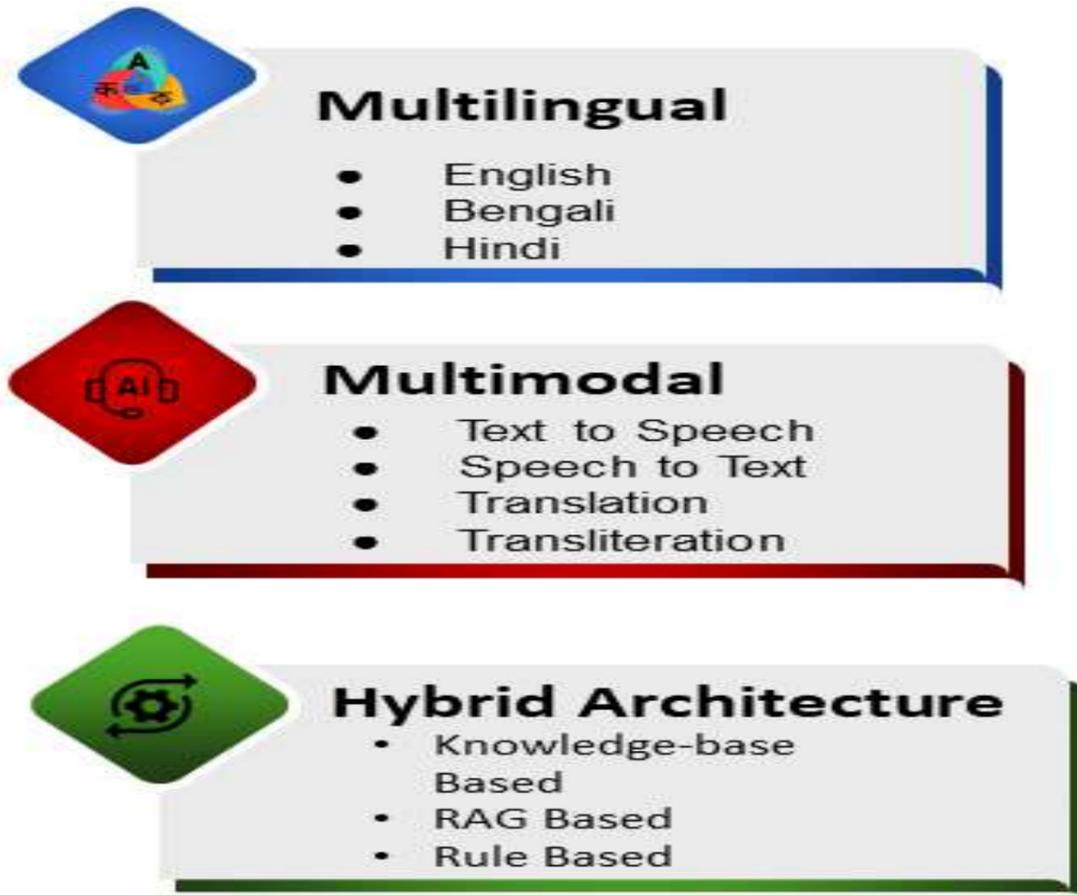


State Projects

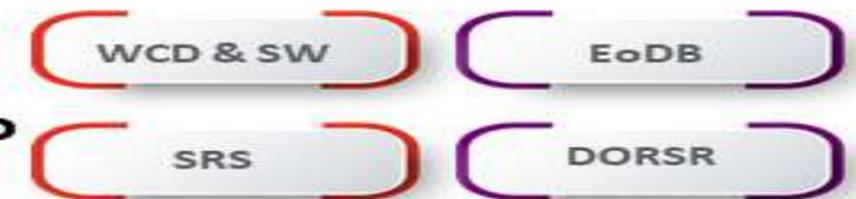
CoE AI Lab, Kolkata

AI Sanlaap

Conversational AI-based Multimodal Multilingual Chatbot Framework of NIC



Proposed to





CoE AI Lab, Kolkata

### AI Anurup

AI-based Beneficiary Name Matching of NIC

**Traditional Approaches**

Common key, list-based, edit distance (e.g., Levenshtein)

No understanding of context or minor errors

**Word Embedding**

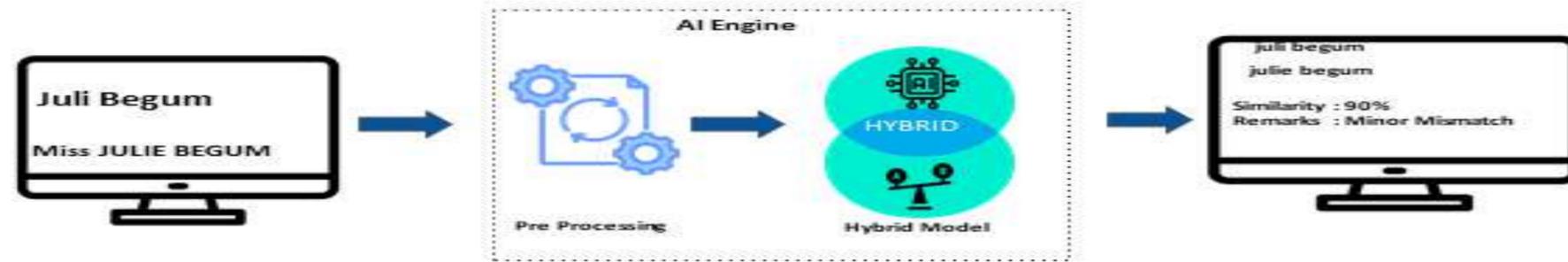
Numeric representation of names

Captures basic context

**Transformer-Based Methods (LLMs)**

Understands semantics, transliterations, and variants.

Robust to surface-level differences



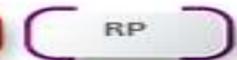
**Hybrid Similarity**

- Character-Level Similarity**  
Captures fine-grained differences between characters
- Embedding Vector Generation**  
Encapsulates semantic differences using Sentence Transformer models
- Vector Matching**  
Quantifies closeness of embedding positions using cosine similarity
- Maximum Score Selection**  
Chooses the highest score from semantic and character similarities

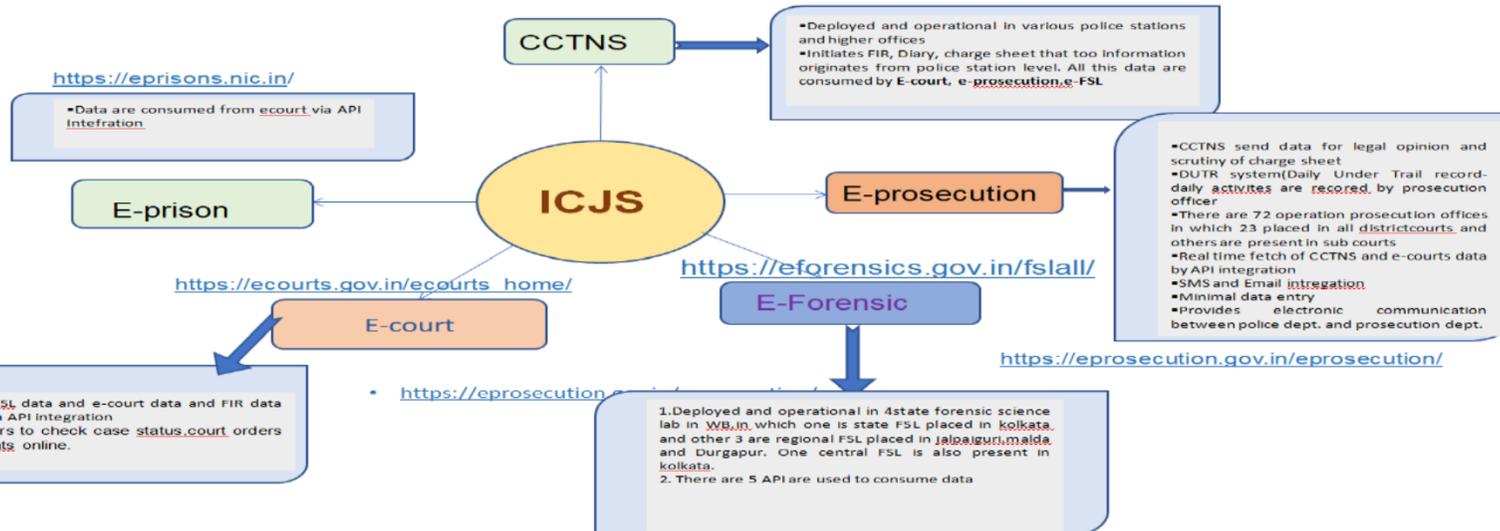


84,993 no of API hits recorded in November, 2025 (Being used for KP, RP, Lakshmir Bandar & Jai Bangla)

Proposed to



## ICJS(Inter- Operable Criminal Justice system)



## IVFRT Immigration, VISA, Foreigner's Registration and Tracking



## Objectives

- One Data once entry:** This governs digitization of 'One Data ' once and only new information on that data shall require an entry throughout its life cycle.
- Interoperability among pillars:** Provisioning seamless data exchange mechanism by creating uniform API gateway accessible to all stakeholders.
- Data correctness & completeness:** Data Correctness is validated by data origin points whereas data completion is guaranteed by interlinking the primary identifiers of stakeholders.

G2G AND G2C



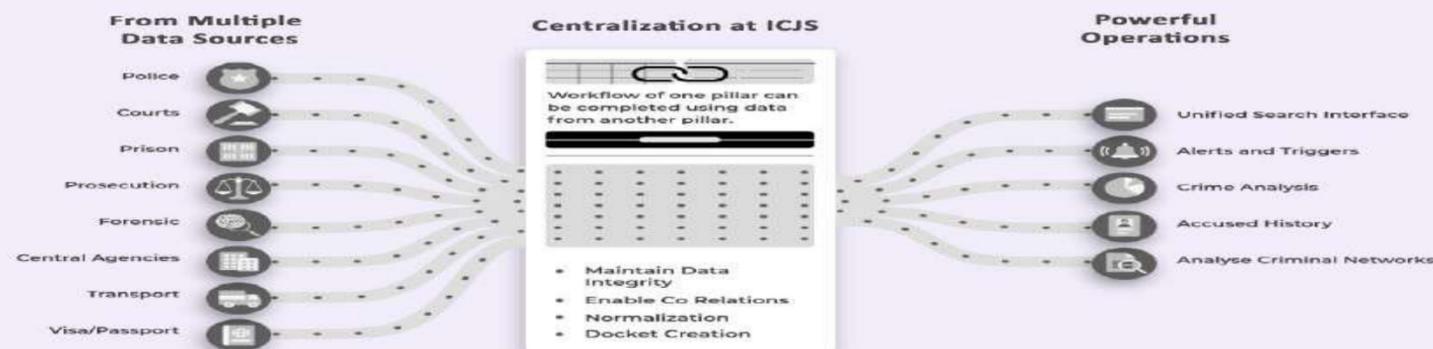
G2G, G2C & G2F



- Centralized Visa System
- Immigration Control System
- Foreigners Registration Tracking
- C Forms
- S Forms
- Blacklist(BL)
- Prior Reference Checks (PRC)
- Unique Case File (UCF)
- Look Out Circular (LOC)
- Deportee Management
- District Police Module (DPM)
- Overseas Citizenship of India (OCI)
- Advance Passenger Profiling system (APIS)
- E Gates
- Foreigner's Identification Portal (FIP)

COMPONENTS

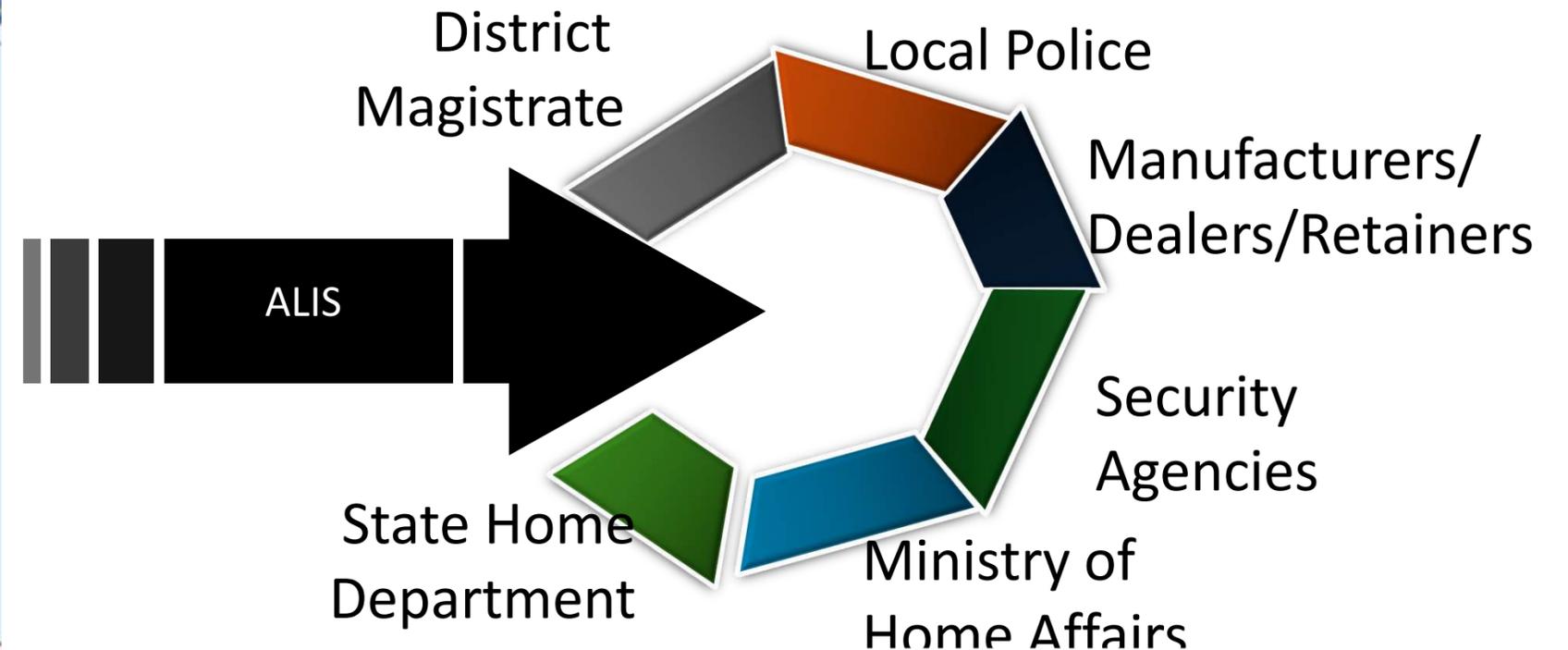
## How ICJS Works



## Online Indian Citizenship



## Arms License Issuance System G2G & G2C



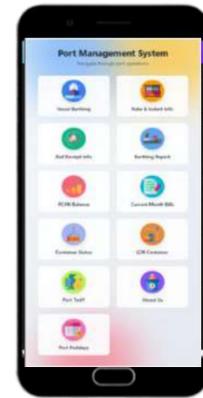
ALIS			
TOTAL APPLICATION	60380	TOTAL PROCESSED APPLICATIONS	58932
NEW ARMS LICENSE			
TOTAL APPLICATION	5899	TOTAL PROCESSED APPLICATIONS	5242
RENEWAL OF ARMS LICENSE			
TOTAL APPLICATION	30323	TOTAL PROCESSED APPLICATIONS	29835
CANCELLATION/SUSPENSION/REVOCATION OF ARM'S LICENSE			
TOTAL APPLICATION	2930	TOTAL PROCESSED APPLICATIONS	2900

## Indian Citizenship G2G & G2C

- The Constitution of India provides for single citizenship for the entire country.
- The Citizenship Act, 1955 provides acquisition, renunciation, termination, deprivation and determination of Indian citizenship.
- Acquisition of Indian Citizenship under The Indian Citizenship Act, 1955 can be done by:
  - ✓ Citizenship By Birth
  - ✓ Citizenship By Descent
  - ✓ Citizenship by Naturalization
  - ✓ Citizenship by Registration

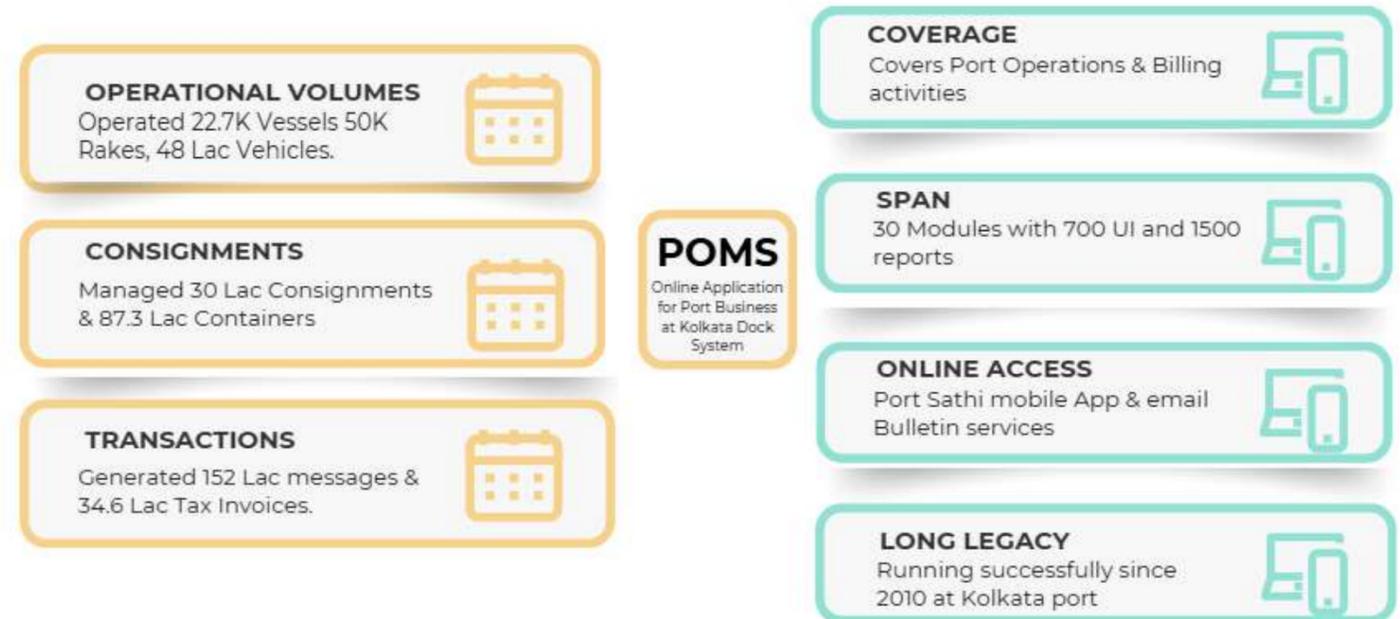
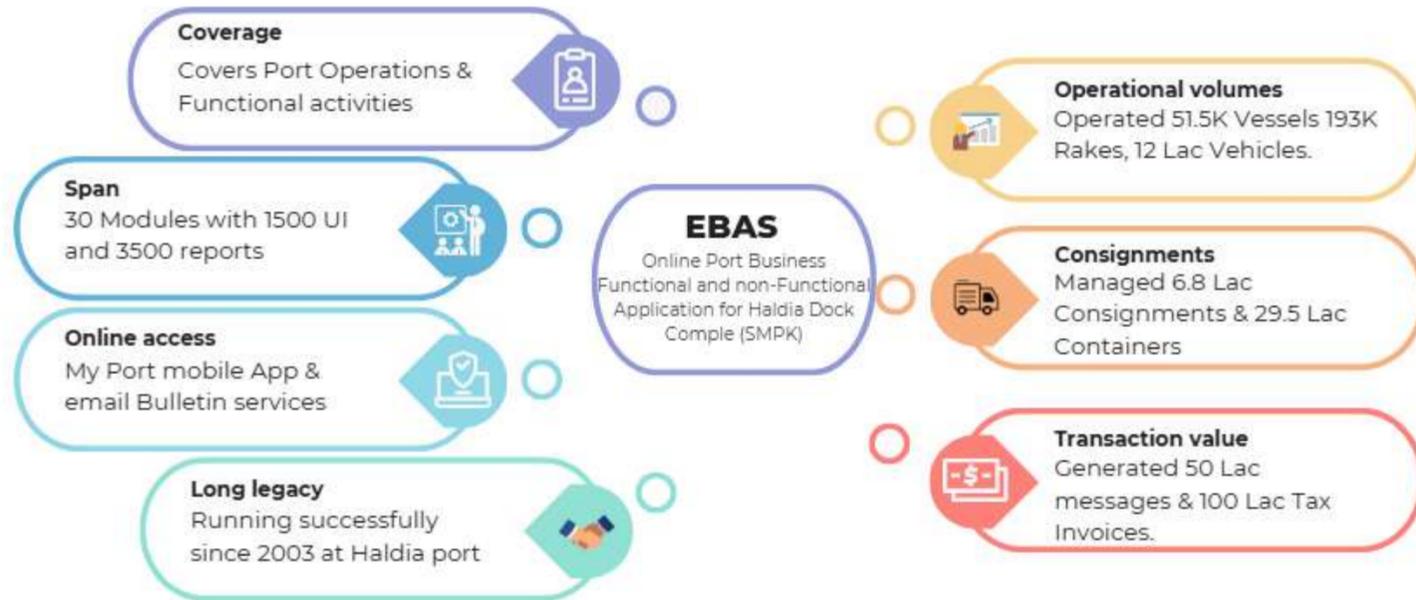


# National Port Project developed in West Bengal



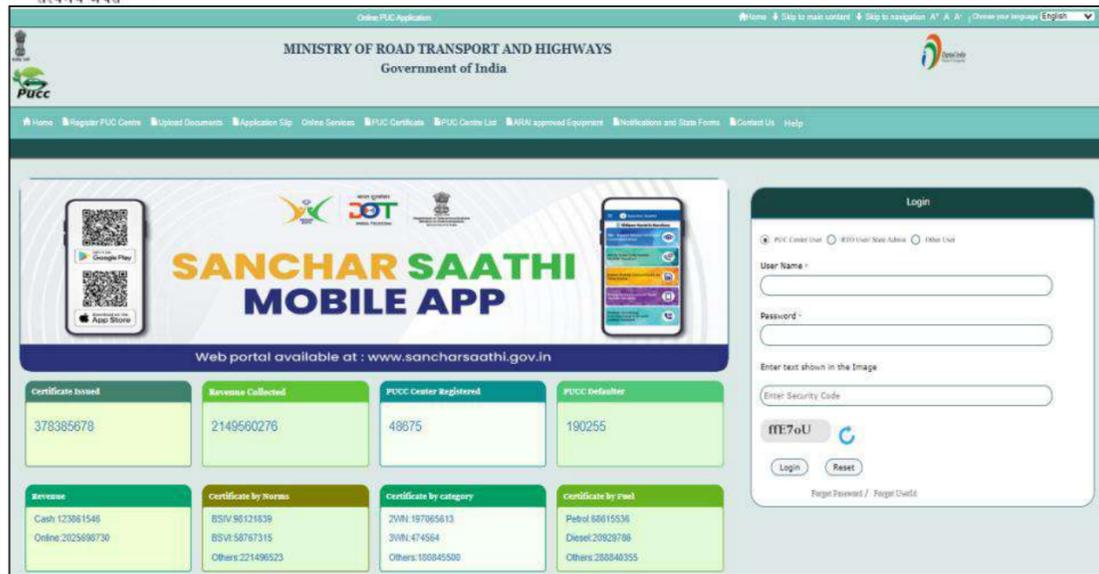
## Enterprise Business Application System

## Port Operations Management System

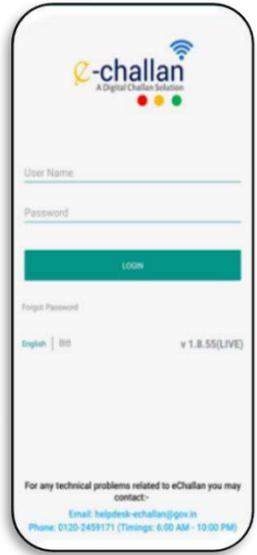
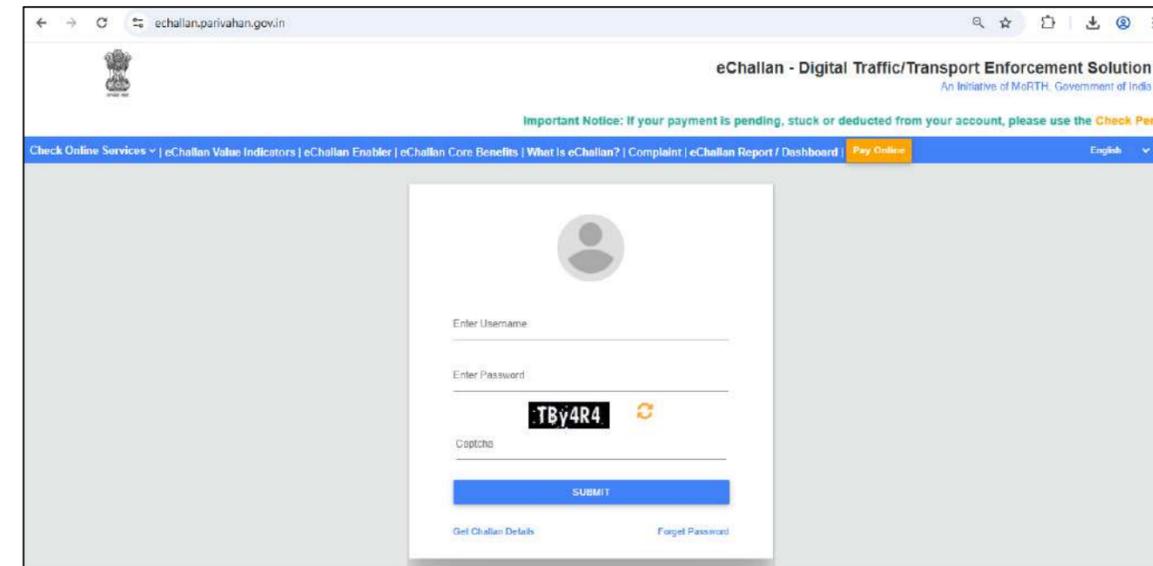


<https://hdceodb.smporkolkata.in>

<https://kdseodb.smporkolkata.in>



G2G and G2C



Technology Stack : JSF 2.x, UI Library-Primefaces, HTML5, CSS3 and Javascript JDK 17 and Spring boot 3.4.1 Database - PostgreSQL 15.3 Android App: Frontend - Kotlin 1.8 , Java 8 and XML

Technology Stack : Frontend - Angular 1.3.15, Bootstrap 5.3.3, jQuery 3.6.0 Backend - PHP 5.6 with Zend 1.0 Framework Database - PostgreSQL 15.3

Polution Under Control Certificate

URL :<https://puc.parivahan.gov.in/puc/>

eCHALLAN



URL: <https://echallan.parivahan.gov.in>

- Pollution Under Control Certificate (PUC) is a centralized application designed to connect all Vehicle Pollution Checking Centres which issues Pollution Under Control Certificates to vehicles as per Motor Vehicle Act. It facilitates mandatory linking of PUC status of vehicles with the Centralized Vahan Database for vehicles as per Supreme Court Guidelines.
- The application captures smoke parameter through API provided by the manufacturer, vehicle number plate through webcam, and sends OTP to the vehicle owner.
- Subsequently, PUC is issued to the vehicle owner if the pollution emitted by the vehicle (Petrol, Diesel, four/ two-wheeler, transport/ non-transport, etc.), is as per norms.
- Completely online certificate issuance process ensures compliance with current emission norms, data accuracy, transparency as well as efficiency.
- Centralised monitoring of individual PUC Centres and Devices.
- A completely work-flow based application, ensuring less paperwork in RTOs due to automation of processes and availability of all the information online, resulting in substantial reduction of paper-work.
- Deployed in Cloud environment (VM provisioning from the National Data Centre of NIC),ensuring minimal infrastructure/ hardware requirement.

Statistics:

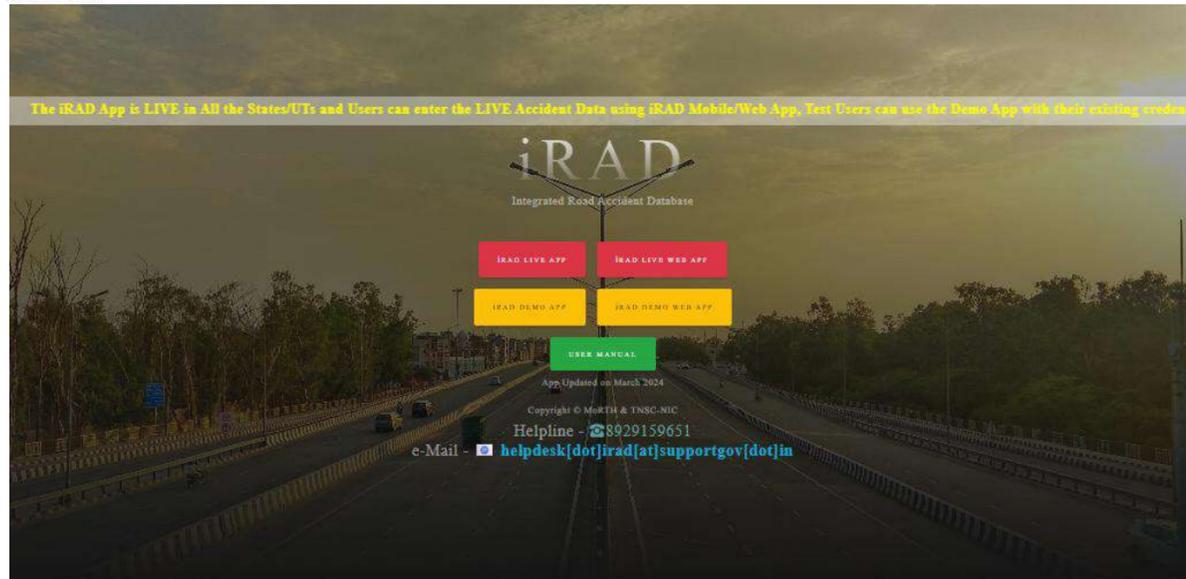
- ✓ No. of PUC issued (All India) Nov'2025 :74,68,056
- ✓ No. of PUC issued (All India) cumulative :39,78,75,520
- ✓ No. of PUC issued (West Bengal) Nov'2025 :5,21,973
- ✓ No. of PUC issued (West Bengal) cumulative: 3,14,88,397

- e-Challan is a sophisticated software application comprising Android based mobile app and web interface, developed for the purpose of providing a comprehensive solution for Transport Enforcement Officers and Traffic Policemen. This app-cum application is integrated with Vahan and Sarathi applications and provides a number of user-friendly features while covering all major functionalities of Traffic Enforcement System.
- One Nation One Challan Android based mobile app and web application for issuing e-Challans.
- Comprehensive solution for transport and traffic enforcement officers.
- End-to-end automated system with customizable digital interface for all the stakeholders.
- The application introduces a novel concept of using mobile based app for issuing eChallan. The mobile based access to the system is available only to enforcement officers through android smart phones

Statistics:

- ✓ No. of e-Challans Nov'2025 (All India) :79,67,176
- ✓ No. of e-Challans cumulative (All India) : 34,89,73,719
- ✓ No. of e-Challans Nov'2025 (West Bengal) :3,18,662
- ✓ No. of e-Challans cumulative (West Bengal) : 97,06,875

G2G and G2C



Technology Stack : Centrally Developed

Integrated Road Accident Database

URL : <https://irad.parivahan.gov.in/>

- The Integrated Road Accident Database (iRAD) Project is an initiative of the Ministry of Road Transport and Highways (MoRTH), Government of India. The purpose of iRAD project is to provide mechanism to collect and analyse road accident data from all over West Bengal State to understand the causal factors of the accident and formulate new interventions and policies to facilitate reduction in the number of road accidents thereby enhancing road safety in India.
- The data is fetched from VAHAN and SARATHI Portal into iRAD Application for accident entries. iRAD Application will be integrated with CCTNS Server for FIR details soon.
- iRad/eDAR enhances the value proposition for citizens by making the road accident claims process more efficient, transparent, and less burdensome, ultimately leading to a better experience for those affected by road accidents.

Statistics:

- ✓ No. of accidents recorded Nov'2025 : 633
- ✓ No. of accidents cumulative :16,647



Technology Stack : Centrally Developed

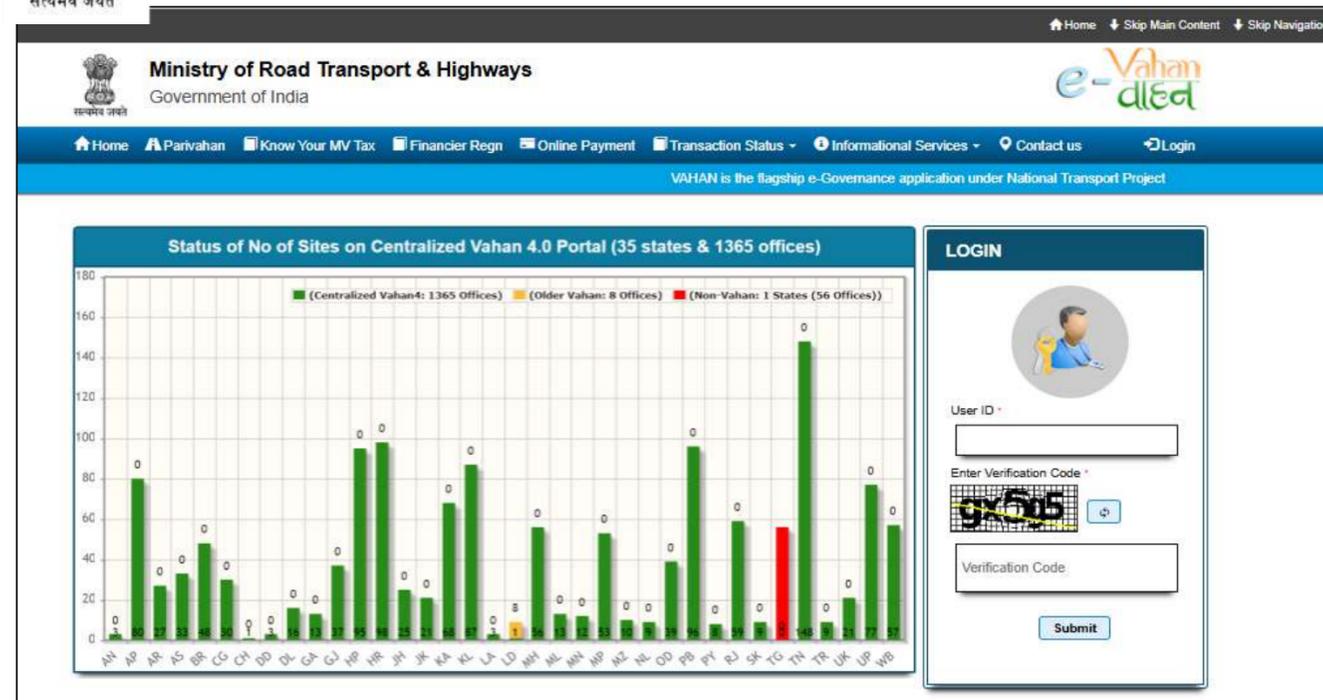
eDetection

URL : <https://vahan.parivahan.gov.in/eDetection/#/login>

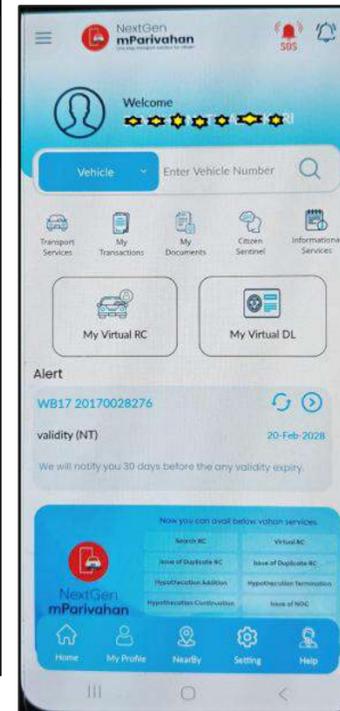
- e-Detection portal detects defaulters (Tax, fitness of vehicle, Insurance) vehicles while passing through toll plaza and then take necessary actions by Transport Department. In West Bengal pilot project has been just started (June-2025) at Debra toll plaza and inaugurated by West Bengal Transport Officials along with NIC officials.
- Enhances enforcement efficiency and revenue collection by automating detection of defaulter vehicles
  - Flow of actions:
    - Vehicles passing through toll plazas
    - Passing vehicles data of toll plazas fetched through e-detection portal
    - Motor vehicle inspector inward challan for all default vehicles through e-detection
    - Vehicle owners can pay challan amount through echallan portal.

Statistics

- ✓ No. of challans (e-Detection) Nov'2025 : 317
- ✓ No. of challans (e-Detection) cumulative : 339



G2G and G2C



Technology Stack : Centrally Developed

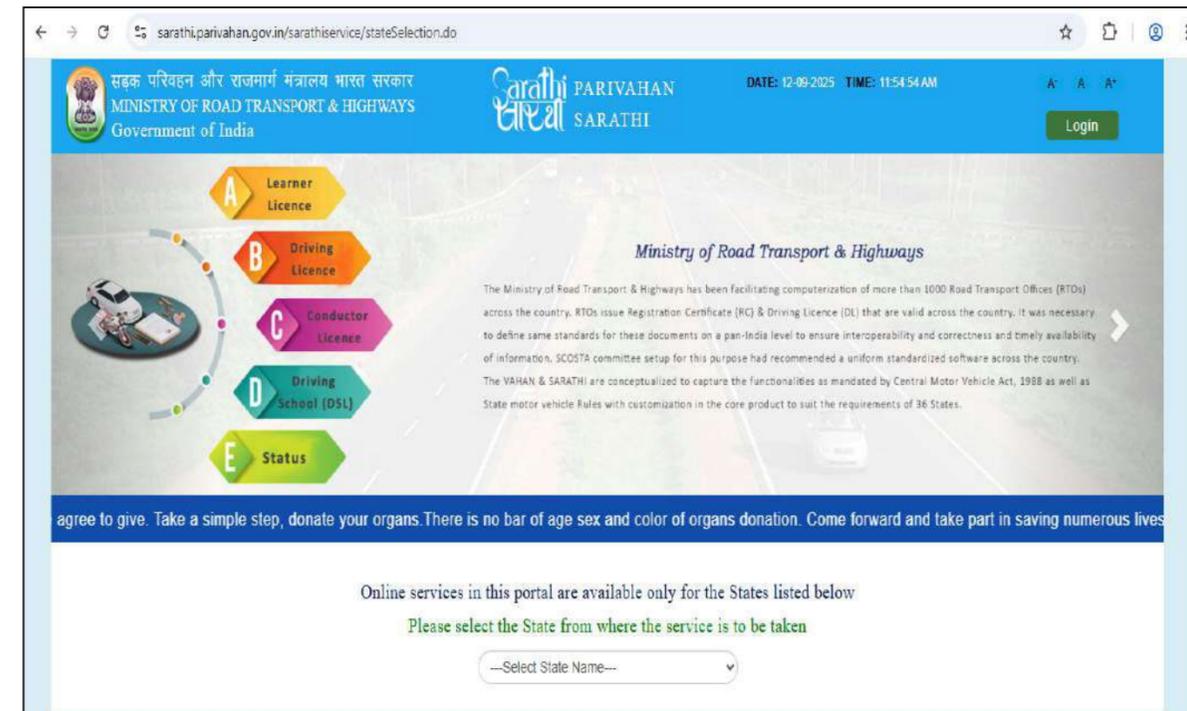
VAHAN

URL: <https://vahan.parivahan.gov.in/>

- VAHAN is a highly flexible and comprehensive system that takes care of all the burdensome activities of Vehicle Registration, leaving the Transport Department to deal with more important business issues. The software enables the processes at RTO/ARTO involving Vehicle Registration, Fitness, Taxes, Permits & Enforcement to get computerized.
- The State Transport Department is governed by both Central Motor Vehicle Regulation (CMVR) and state specific Motor Vehicle Regulation (State MVR). Consequently, VAHAN was conceptualized as a product that would capture the functionalities as mandated by CMVR as well as state MVRs.

Statistics

- ✓ No. of transactions (VAHAN) Nov'2025 :4,51,858
- ✓ No. of transactions (VAHAN) cumulative :12,77,49,551
- ✓ Vehicle Registration (VAHAN) Nov'2025 :1,44,986
- ✓ Vehicle Registration (VAHAN) cumulative :1,78,85,844



Technology Stack : Centrally Developed

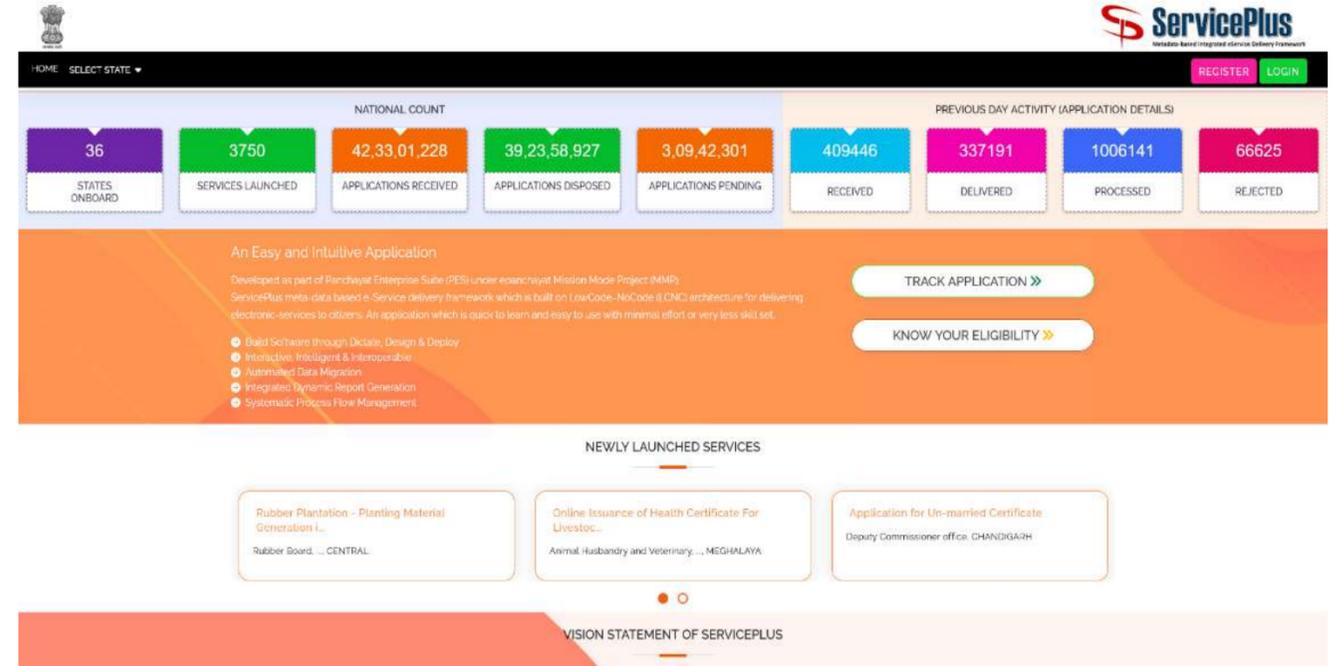
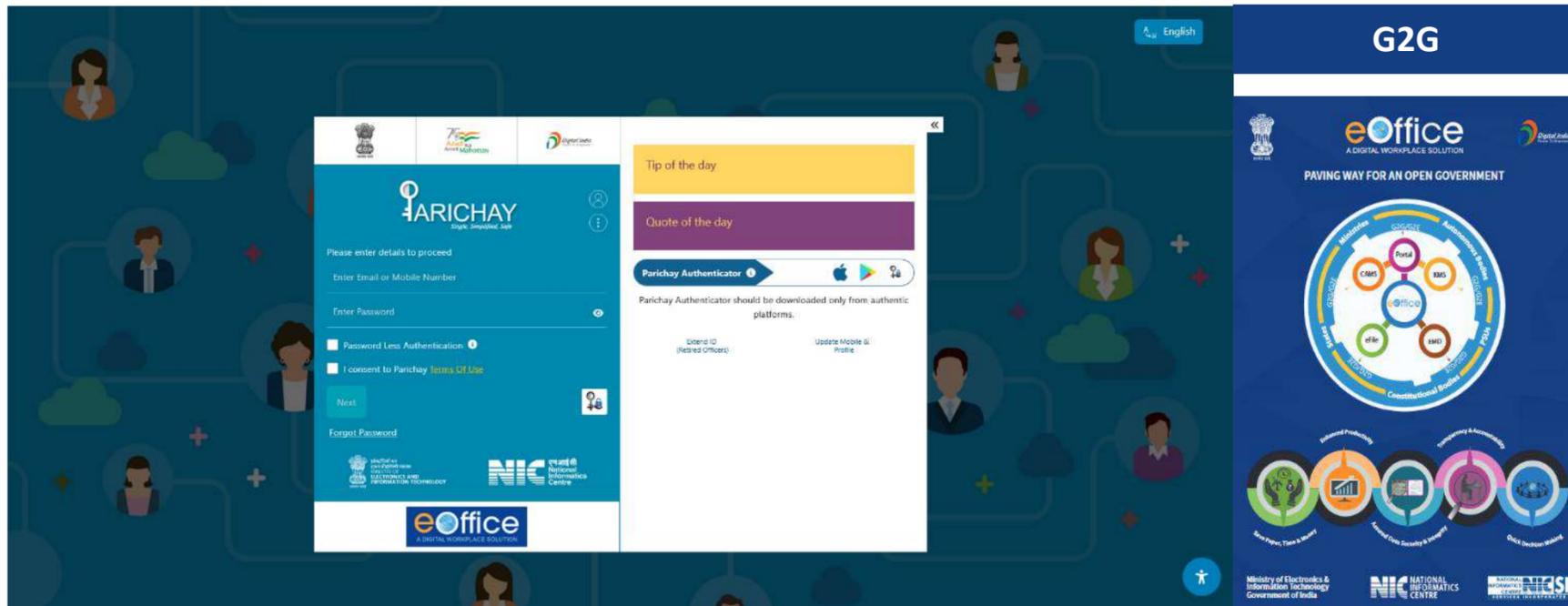
SARATHI

URL: <https://sarathi.parivahan.gov.in/sarathiservice/stateSelectBean.do>

- SARATHI 4.0 is currently providing services throughout 56 RTO/ARTO of 24 districts in West Bengal, for issue of Learner's Licence, issue of Driving License, issue of Conductor License and issue of Driving School Licence. All the services related with Learner's Licence, Driving Licence, Conductor Licence and Driving School Licence are available through Citizen Centric Service portal to avail services from convenient location.
- SARATHI-4 has been integrated with West Bengal state service portal (BSK) and providing four services related with driving licence and two services related with conductor licence.
- SARATHI-4 has been integrated with eChallan which makes easy to get offence(s) lodged against driving licence.

Statistics

- ✓ No. of transactions (SARATHI) Nov'2025 :9,65,392
- ✓ No. of transactions (SARATHI) cumulative :3,84,76,526
- ✓ No. of DL issued (SARATHI) Nov'2025 :52,892
- ✓ No. of DL issued (SARATHI) cumulative :99,86,829



Technology Stack : Java, PHP PostgreSQL, MongoDB, KAFKA, Redis, ELK

Technology Stack : Java, PostgreSQL, Java Script

G2C

eOffice - Government of West Bengal

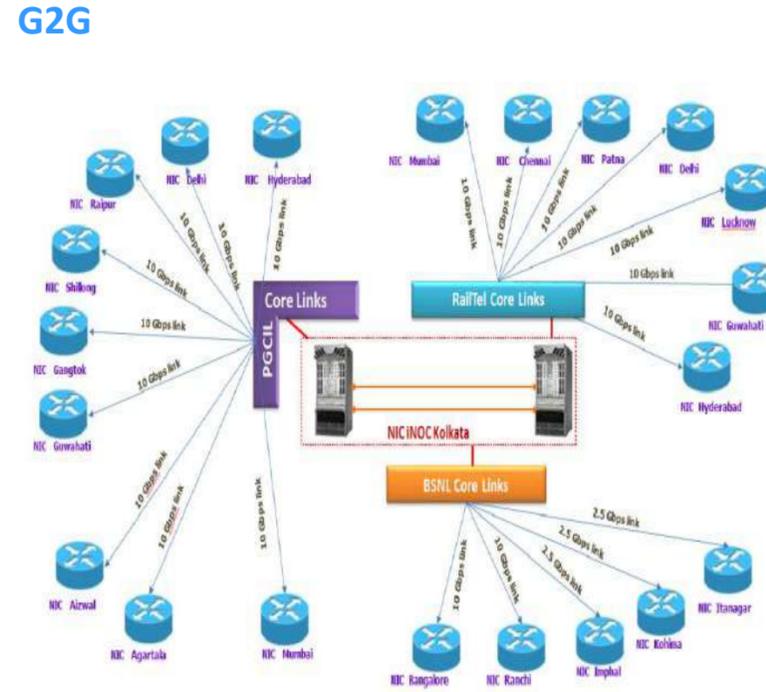
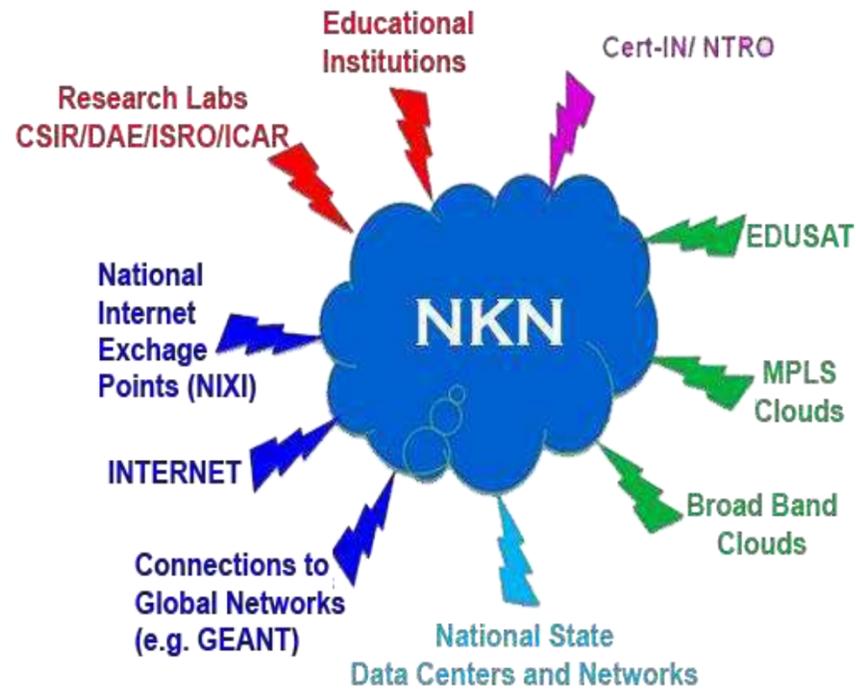
URL : <https://eoffice.wb.gov.in>

Service Plus

URL : <https://serviceonline.gov.in>  
<https://tathyasathi.bangla.gov.in>

- Currently, all 54 departments, 237 directorates/parastatals, all 22 districts, 39 sub-divisions are working in eOffice with around 40,000 files transacted daily.
- After implementation of eOffice, as per user experience, the file disposal rate has become 10 times than the older conventional physical file system. Instantly any number of files are sent and received without requiring any help of any peon etc and the recipients get SMS/email alert messages on receiving any file.
- Any file in any department can be traced immediately.
- Apart from saving stationaries, it is saving significant amount of government revenue and valuable time as files are now not required to transport from departments at different locations to Finance, Home department etc.
- As anyone can work from anywhere and anytime, even from home, it adds to the productivity manifold. During Covid situation the productivity in file-works was not very much impacted due to eOffice only.

- Regulatory Approval Services : The services like Issuance of Electricity Permission, festival permission, idol immersion are given to the citizens.
- E-Governance Services : Thirty Nine (39) e-governances including DBT are being delivered for various schemes of Tea Board of India.
- Issuance of Certificates Services : Various certificates like income certificate, Residential Certificate, legal heir certificates etc being generated for Govt of West Bengal.
- Twenty two (22) E-governance Services for Govt of West Bengal are currently running online.



This dashboard provides a comprehensive overview of NICNET's performance and service status. It includes a map of India showing network connectivity, a traffic graph, and a summary of service desk tickets.

- Network Features:**
  - National long distance high speed (multiple 10 Gbps) leased data circuits to state capitals
  - Connectivity from State Capitals to Districts using 34/100 Mbps/ 1Gbps leased circuits
  - Secure access through VPN and Secure Wi-Fi Services
  - Connects National Data Centres on high-speed network
- Traffic Graph:** Shows Incoming Traffic (green) and Outgoing Traffic (blue) in Bits per Second from Week 33 to Week 37.
- Service Desk Summary:**
  - 1.4K TOTAL** tickets
  - 39 OPEN** tickets
  - 1.4K CLOSED** tickets
  - 14 RESOLVED** tickets
  - 1 PENDING** ticket
  - 1 PENDING WITH USER** ticket
  - 0/5 RATING**
- Ticket Count during 29-06-2024 to 31-08-2025 On Service Desk Portal**  
<https://servicedesk.nic.in/>

**National Knowledge Network (NKN)**

URL :<https://nkn.gov.in>

The National Knowledge Network (NKN) project is designed to create a secure and reliable high-speed network across India, connecting universities, research institutions, and healthcare and agricultural institutions. In West Bengal, NKN has been operational since 2010, linking 91 premier educational and research organizations, including IIT Kharagpur and AIIMS Kalyani, IIM Kolkata, VECC, SINP, ISI to facilitate knowledge sharing, collaborative research, and advanced distance education. NKN Kolkata has maintained zero central downtime since its inception, and it connects to other states via 21 core links with 10/2.5 Gbps bandwidth.

State-of-the-Art NKN Central Super Core PoP at West Bengal with a total 187.5 Gbps backbone bandwidth with High Availability (HA) and ISO Compliant infrastructure backed up by proper power backup

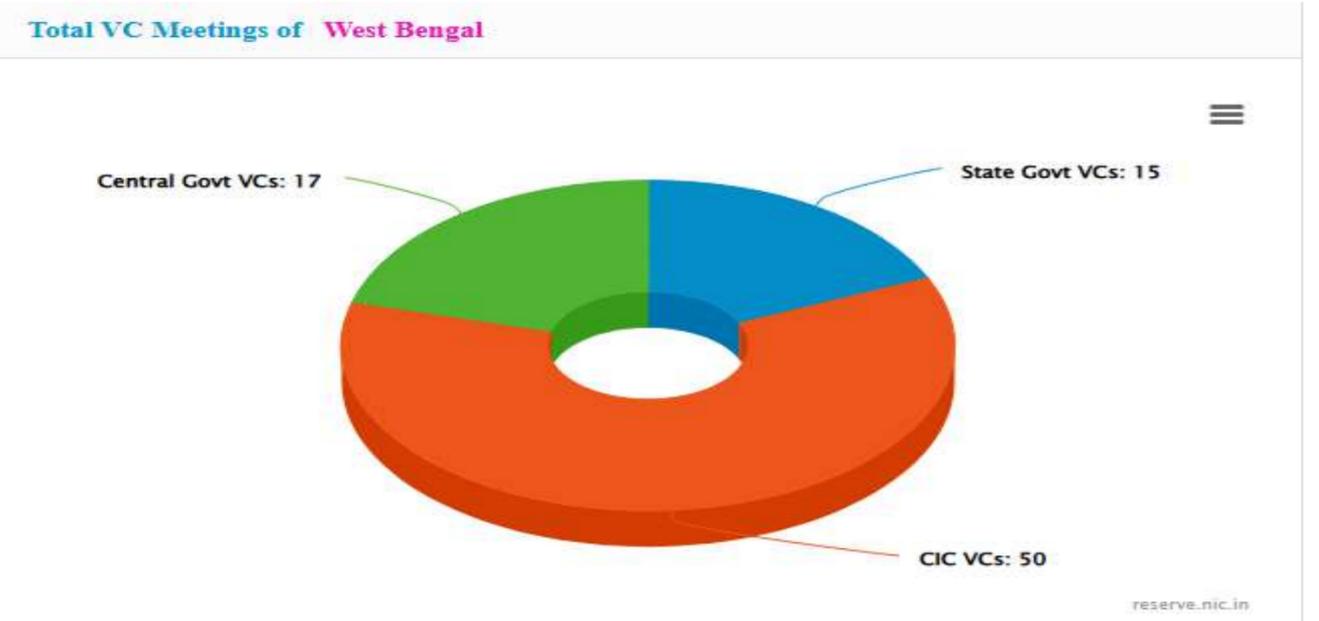
**NICNET**

URL :<https://www.nic.in/service/nicnet>

The National Informatics Centre (NIC) has established a robust Information and Communication Technology (ICT) network known as NICNET, which connects all Central and State Government Ministries, Departments, Union Territories, and District administrations across India. NICNET has played a key role in driving e-Governance across multiple levels of government, improving transparency, efficiency, and accountability. In West Bengal, NICNET has been operational since 2003, connecting over 325 government offices and serving as the primary backbone for data sharing within the state government. The network also facilitates fast access to various services through peering with BSNL, PGCIL, Railtel, and international content delivery networks

like Google, Microsoft, and Akamai

G2G and G2C



VIDEO CONFERENCING SERVICES(PRAGATI)

URL :<https://reserve.nic.in/>

NIC West Bengal Video Conferencing facility plays a vital role in supporting the hierarchical departments of the Government of West Bengal i.e. Governor, Chief Minister Office, Chief Secretary Office, Council of Ministers, Departments, Secretariat, Directorate, District Administration, Co-District Commissioner Office, Block and Panchayat Level.

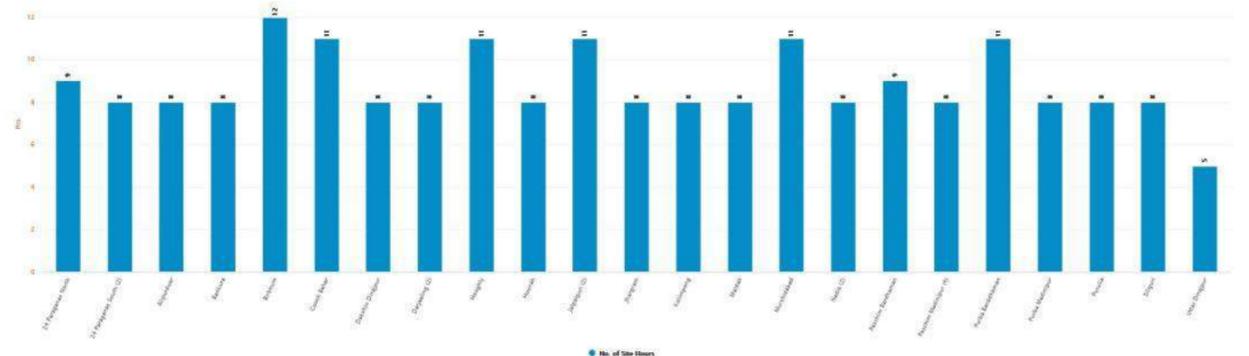
In November'2025, total 61 No. of VCs has been conducted where 303 sites participated with 375 studio hours

Out of 61 VCs, we have conducted 46 VCs on Bharat VC platform where 880 participants joined through link.

Additionally, Prime Minister 01 VC, Cabinet Secretary 04 VC, Chief Secretary 01 VC, Govt. of India 03 VCs, Election Commission 42 VCs has been conducted successfully.

	No of VC meetings	Studio hours	Site Participated
VC meetings of State Govt.	15	223	132
VC meetings of Central Govt.	17	45	27
VC meetings of CIC	50	15	65
<b>Total</b>	<b>82</b>	<b>284</b>	<b>224</b>

District wise VC event Chart::





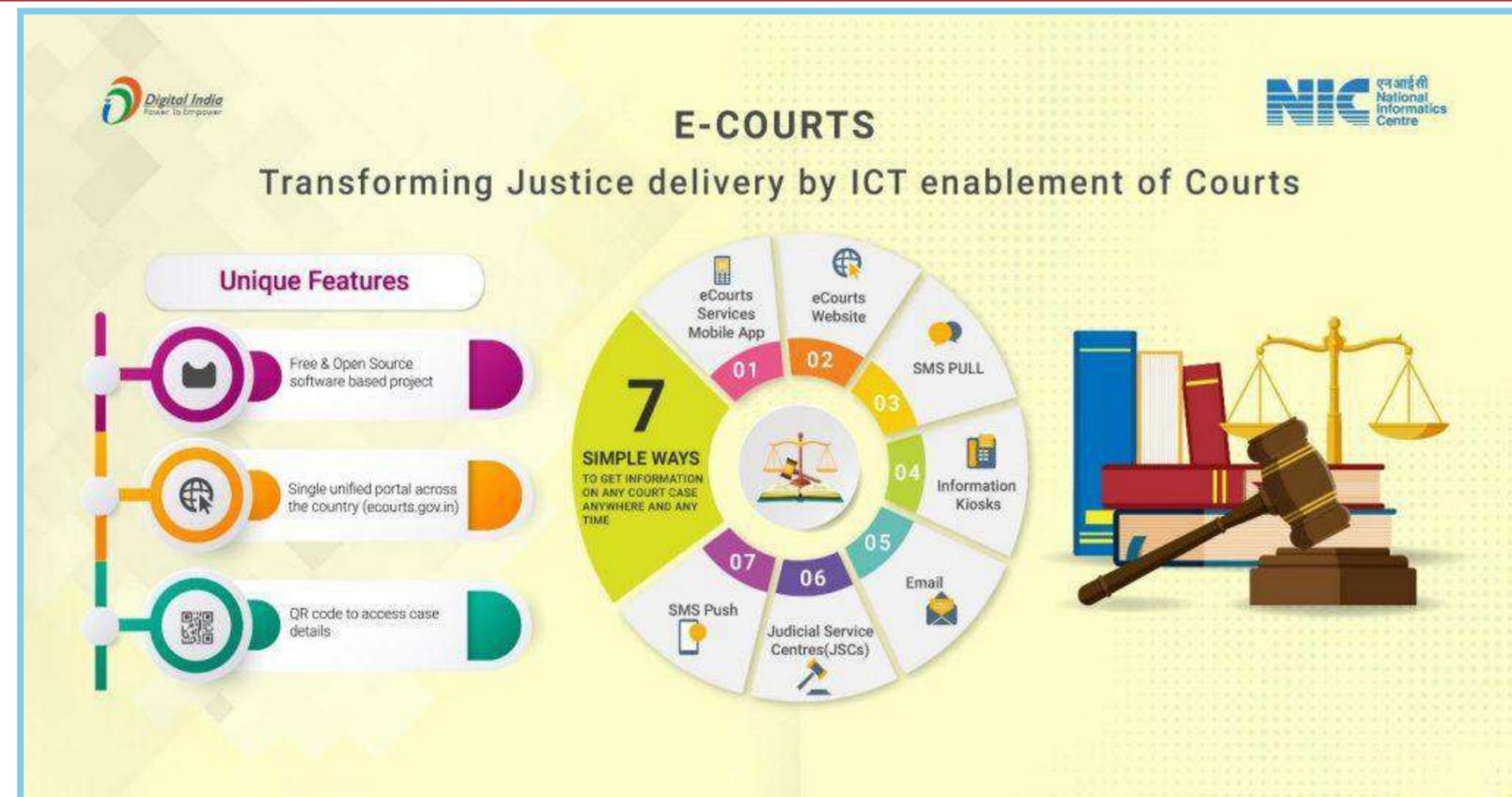
# National Projects Implemented in WB



## E-COURTS

### Objective

- To develop, install and implement decision support system in courts
- To automate judicial processes to provide transparency in accessibility of information to its stakeholders
- To enhance judicial productivity both qualitatively and quantitatively
- To make justice delivery system affordable, accessible, cost effective, predictable, reliable and transparent
- To make policy for managing caseloads for effective court management and case load management.
- To provide interoperability and compatibility with systems like Interoperable Criminal Justice System.
- Installation of video conferencing facility and recording of witness through VC
- Connecting all courts in the country to [National Judicial Data Grid \(NJDG\)](#)
- Providing citizen-centric services through various platforms for service delivery such etc. as [web portal](#), [Mobile App](#), [judicial service center](#), [kiosks](#), [SMS](#), [automated emails](#).



### District Courts at a glance



Court Complexes: 92



Cases in DB (pending & disposed): **9927338**



Court Establishments: 277



Orders: 14078972

• Till 02<sup>nd</sup> Dec 2025 Morning

### High Court at Calcutta

Bench	Institution (in Current Year)	Disposal (in Current Year)
Principal Bench , Original Side	4,327	3,947
Principal Bench , Appellate Side	47,856	54,852
Circuit Bench at Jalpaiguri	5,728	4,868
Circuit Bench at Port Blair	1,036	921

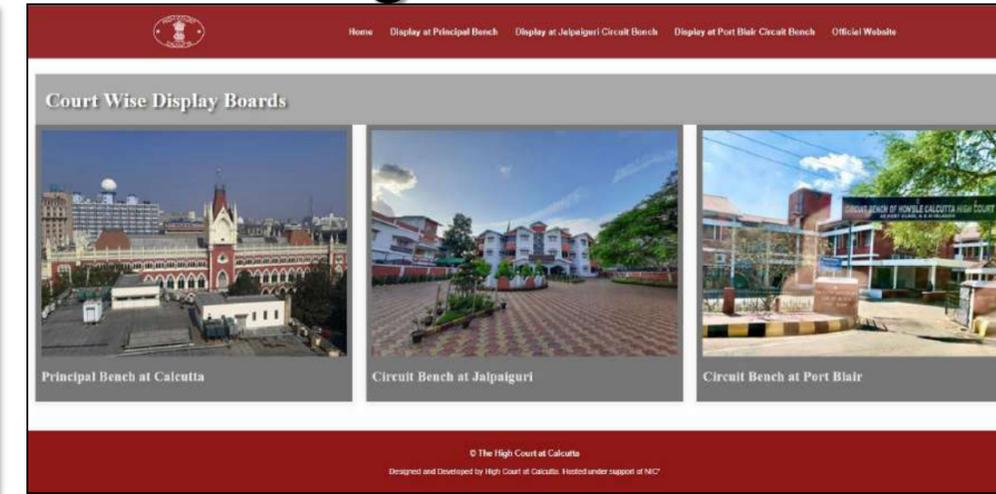
**E-filing count (as on 30<sup>th</sup> Nov.,2025): 324 Main Case & 1004 Applications**

(Hon'ble High Court at Calcutta)

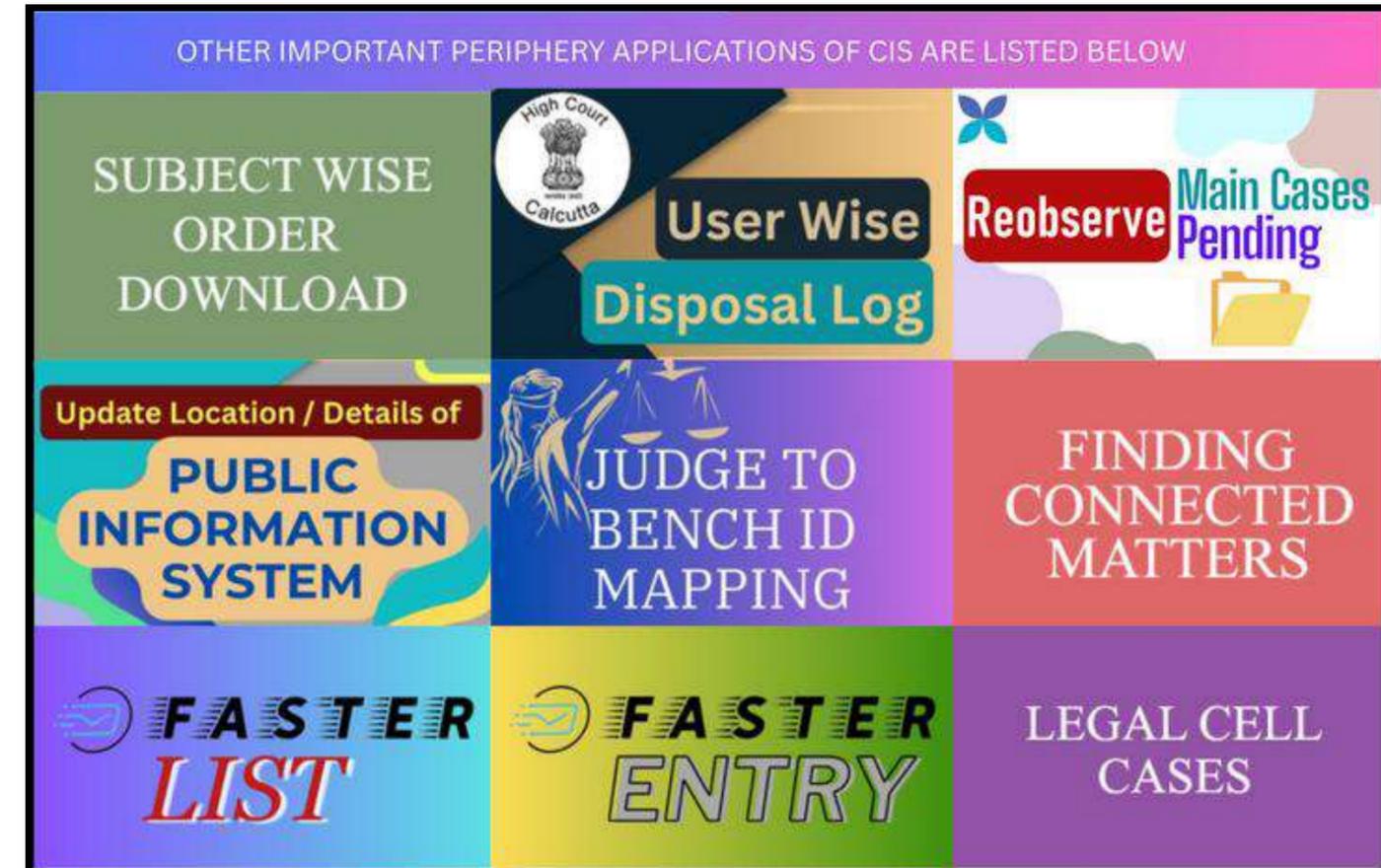
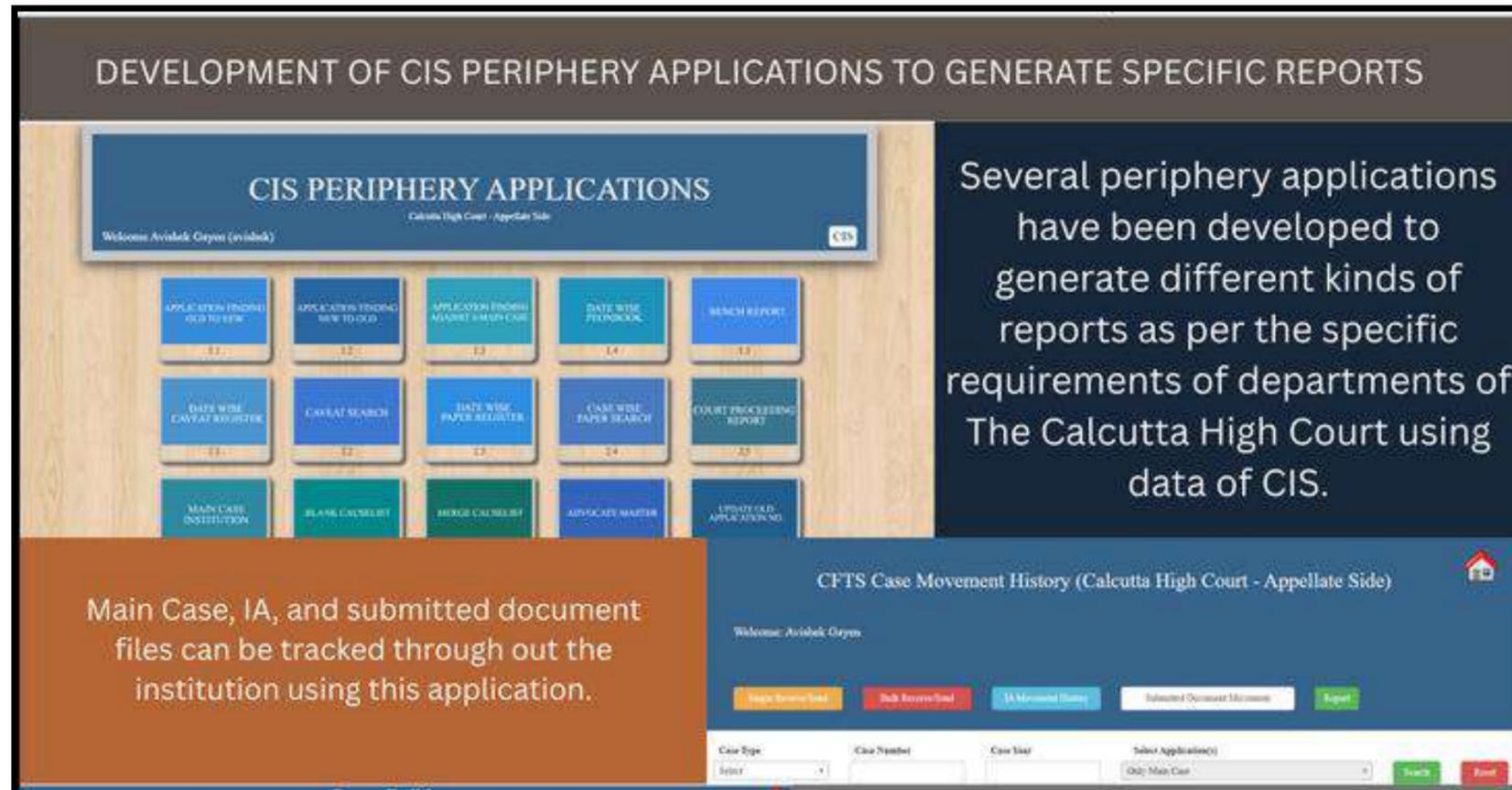
# IT initiatives at Calcutta High Court



Calcutta High Court Website  
(<https://calcuttahighcourt.gov.in>)



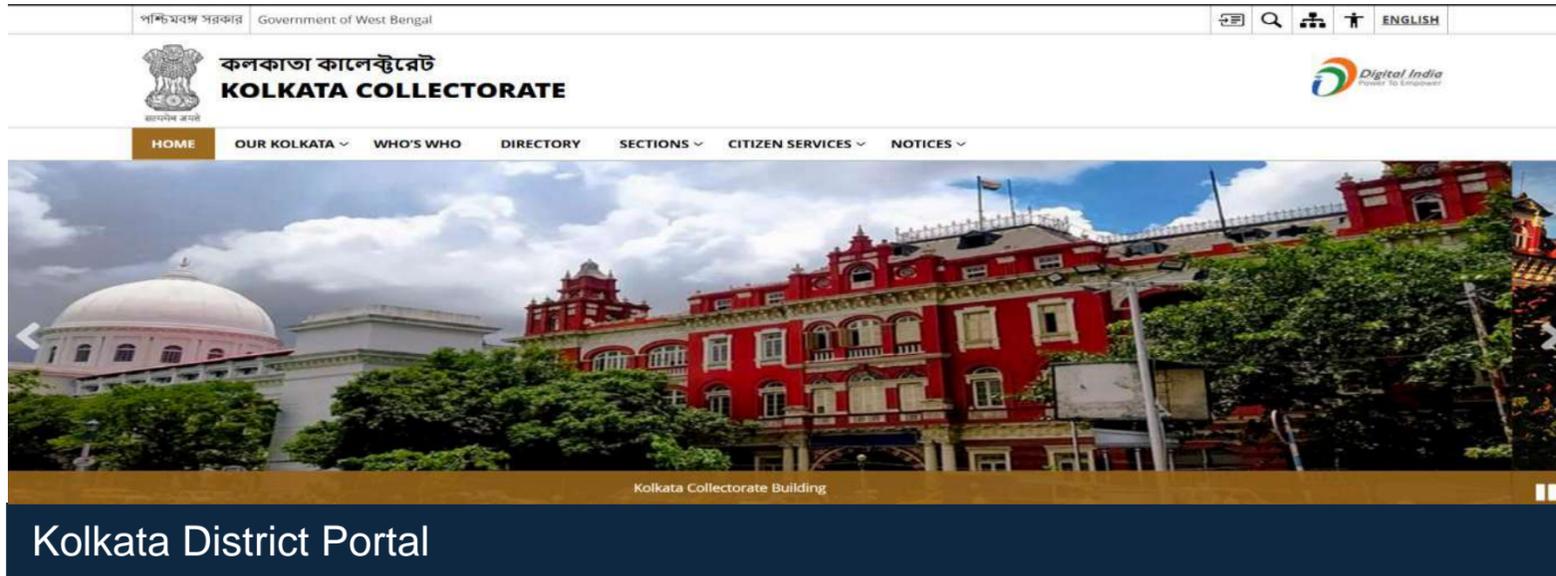
Display board of Calcutta High Court  
(<https://display.calcuttahighcourt.gov.in>)



Periphery applications based upon CIS at Calcutta High Court



# District Projects



## Kolkata District Portal

Domain Allotted: <https://kolkatacollectorate.gov.in>

### Unified DevSecOps Platform for Secure, Multi-Stack CI/CD Automation:

The administrative structure of Kolkata is quite different from that of other districts in West Bengal, rather than as a conventional district with a typical district administration.

### District Specific Activities

#### Kolkata Collectorate Website(S3WAAS)

- The migration of the Kolkata Collectorate District website to the S3WAAS platform has been approved and is now awaiting registration of the fourth-level domain (kolkatacollectorate.wb.gov.in). The domain request is currently pending with the User Department and the State IT Department.

#### eAbgari - End-to-End Online Solution for Comprehensive Transformation of State Excise

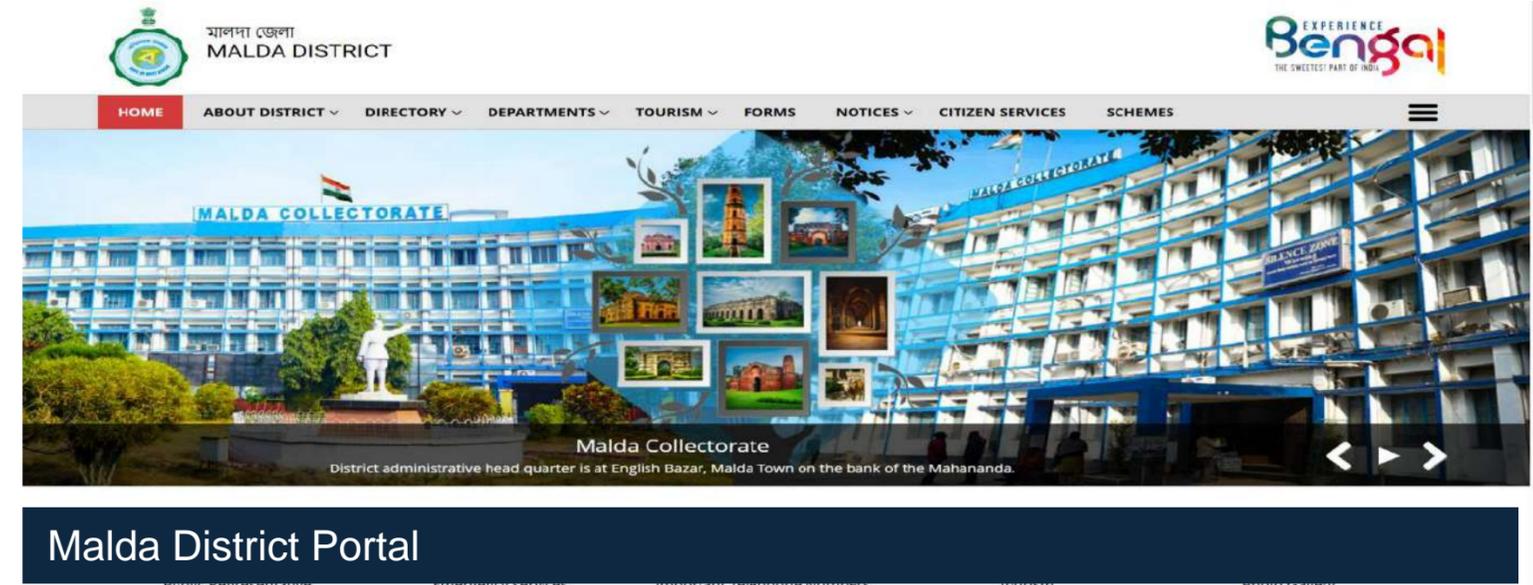
- Ongoing change requests are being addressed in the Country Liquor and M&TP modules. Integration of Object Storage across all project modules is in progress. Final UAT approval from the department is awaited.

#### DevSecOps- Multi-Stack DevSecOps Platform as a Service for NIC, West Bengal

- Several new HODs have onboarded their teams and projects onto the new DevSecOps platform of NIC-WB. Continuous support and guidance are being provided to facilitate initial deployments within the NIC WB Mini Data Centre infrastructure.

#### AI Sanlaap –AI-powered conversational platform or chatbot

- Development of the AI-based Sanlaap Chatbot for the EODB Department using a newly designed modern, scalable architecture that ensures high availability and restricts data access to the respective departments through structured data segregation.



## Malda District Portal

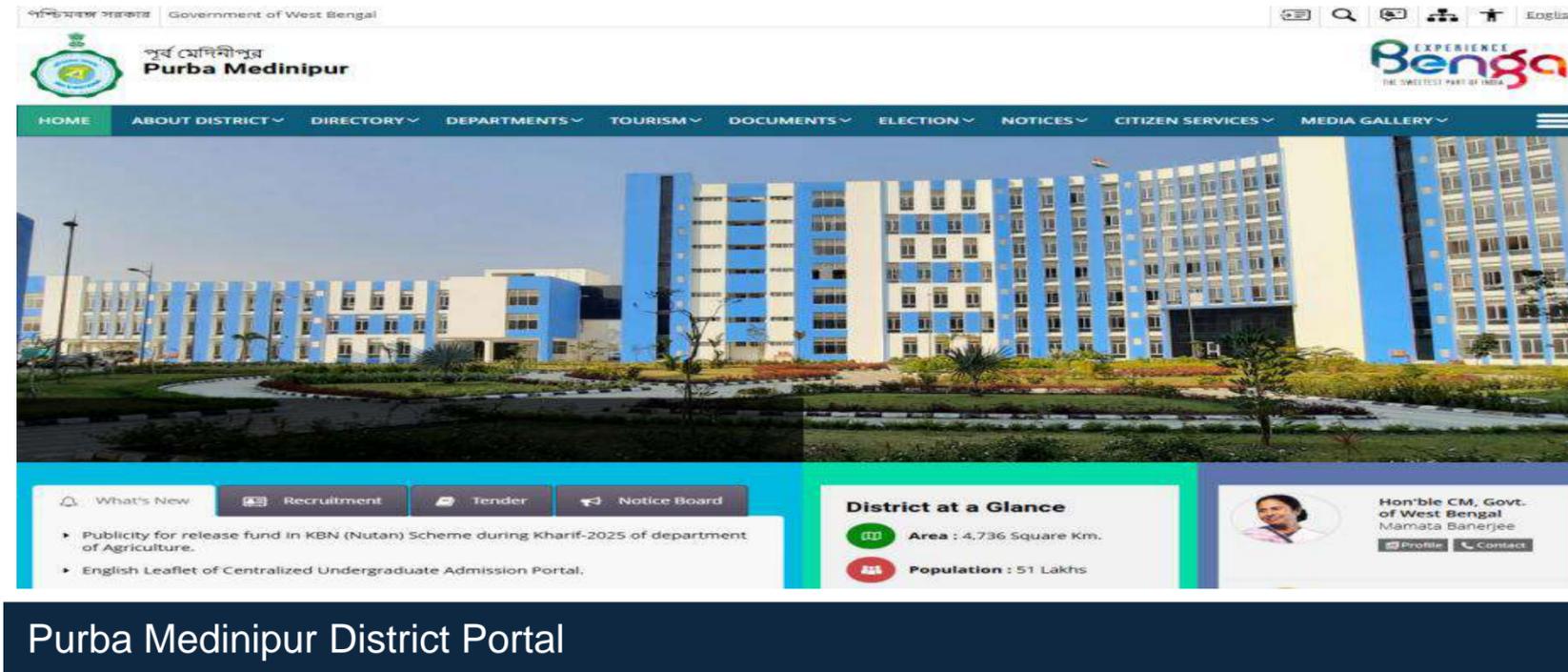
URL: <https://malda.gov.in/>

### Highlights

Malda is a district covering an area of 3733 sq Km with Bihar and Uttar Dinajpur at the North, Murshidabad at the South, Bangladesh at the east, and Jharkhand and Bihar at the West. It shares a 165.5 km international border with Bangladesh. Having a central location it is an important junction and entry point to Siliguri from South Bengal. The river Ganga makes its first entry into West Bengal near Manikchak of Malda

### District Specific Activities

- Official District Website regularly updated (S3WAAS) with added public utility.
- E-office active in 48 departments with ongoing support.
- IT support for admin review meetings and Hon'ble CM VC support .
- Technical help for E-Prosecution, Vahan, Sarathi.
- Technical help for APAS.
- Support for flagship schemes: Jai Bangla,Lakshmir Bhandar, Duare Sarkar, Kanyashree, etc.
- Technical support for OBC SC/ST certificate (OSCAR).
- Email Create/Update Technical Support.
- IRAD Technical Support for all stake holders.
- VC Support of NIC, State and District level meeting.



Purba Medinipur District Portal

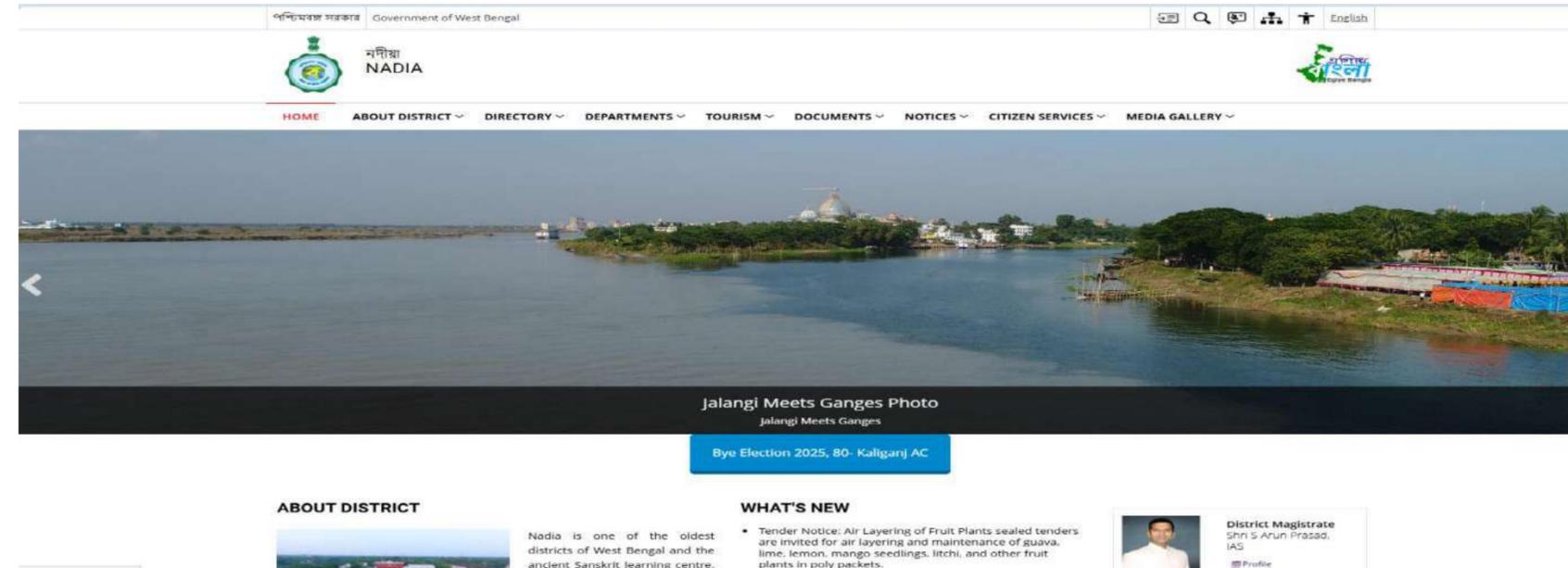
URL: <https://purbamedinipur.gov.in/>

### **District Specific Activities**

- Online Festival Permission (Service Plus) with training.
- District website (S3WAAS) updated, e-Office Technical Support.
- Support for GEM, e-Prosecution, eVahan, Sarathi, NDAL & ALIS,IRAD
- Flagship schemes: Jai Bangla, Lakshmir Bhandar, Duare Sarkar, Kanyashree, APAS,Field inspections app.
- e-Tendering, e-Auction, OSCAR (OBC/SC/ST), IRAD.
- Email services & regular Video Conferencing support.

### **Achievements**

- Festival permission through Service Plus provided to 2000 clubs in the district
- All departments successfully using e-Office
- Active participation in state projects: IFMS e-pension , EES



### Nadia District Portal

URL: <https://nadia.gov.in/>

#### **District Specific Activities**

Managing the District Website (S3WAAS) content based on requests received from District Officials and various Departments.

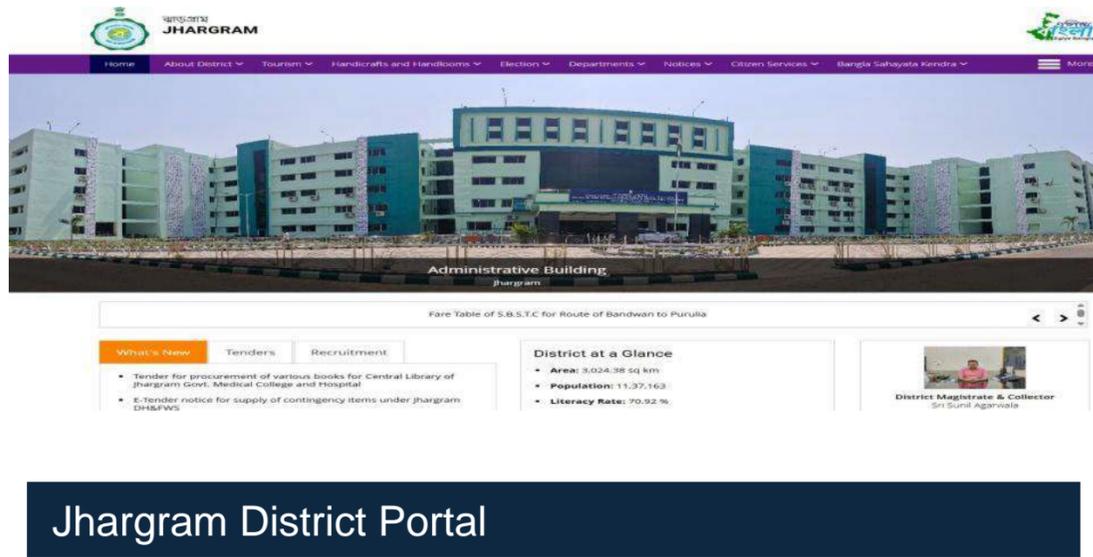
Facilitating regular video conferencing, covering both general and election-related meetings.

Coordinating with the OC–Polling Personnel for the operation of the EMMS 2.0 software for the upcoming election. Providing doubt-clearance and technical support for all election-related software queries. Conducting training sessions for all BDO and SDO offices on the use of the EMMS 2.0 software.

The secure internet connection from NIC to the DM Chamber has been successfully set up as per the requirement of District Magistrate. The connection is now fully functional, and necessary configurations and testing have been completed.



# District Projects



Jhargram District Portal

URL: <https://jharqgram.gov.in>

### Highlights

Official District Website regularly Upload and update notices and web pages.

Update EMD and provided technical support for Jhargram eOffice.

Technical support and training for i-RAD , e-Prosecution etc. NIC VC and NICNET connectivity.

NIC Email Create/update Technical Support.

Support for flagship schemes: Jai Bangla, Lakshmir Bhandar , Duare Sarkar, Kanyashree, etc.

### Training

- Training provided to Kolkata district administration for S3WAAS based district website design and development.
- Training in various election related activities.



Murshidabad District Portal

URL: <https://murshidabad.gov.in/>

### District Specific Activities

- Maintenance of Official District Website regularly (S3WAAS) platform
- VC Support of NIC, State and District level meeting.
- Technical help for E-Prosecution, Vahan, Sarathi
- IRAD Technical Support for all stake holders.
- Emms Portal support.
- Support for flagship schemes: Jai Bangla, Lakshmir Bhandar, Duare Sarkar, Kanyashree, etc.
- E-office active in various departments with ongoing support.
- Technical help for field inspection app.
- It support of Circuit House.
- Technical support for Amader Para Amader Samadhan
- DA Admin support and follow up for Admin creation
- Email migration support for district Officers.



Birbhum

URL: <https://birbhum.gov.in/>

### District Specific Activities:

- Official District Website regularly updated (S3WAAS).
- E-office active in all section of district administration with ongoing support.
- Provided consultancy & ICT Support to District Administration.
- Support for flagship schemes:
- Email Create/Update Technical Support.
- iRAD Technical Support.
- Video Conference Support.
- NICNET Support.
- Software development and support for various departments within the district.



# District Projects



## Uttar Dinajpur District Portal

URL: <https://uttardinajpur.gov.in/>

### **Highlights :-**

- ❖ ICT consultant and District level ICT Coordinator of several Projects (G2G,G2C, G2E,G2B) for Digital Governance across Sectors and spread over 100 locations.
- ❖ Site Identification, Requirement Analysis, Planning and Preparation, Proposal and Estimate Preparation.

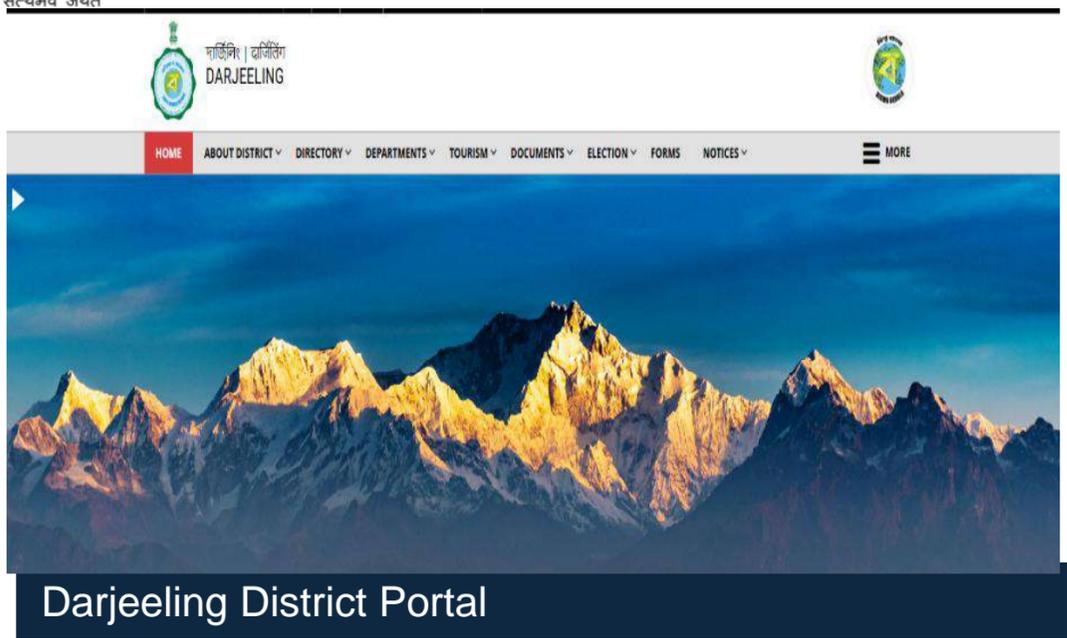
### **Project :-**

### **Impact :-**

- ❖ iRAD/eDAR : 1783 accident cases captured till date.
- ❖ eProsecution : 15249 Court Cases Digitalized under this project.
- ❖ eOffice : Users : 430 Transactions : 54097
- ❖ Arms License Issuance System : approx. 1600 Gun License data digitalized.
- ❖ Vahan-Sarathi : 44,15,81 vehicles have been registered.
- ❖ IVFRT : Indian & Foreigner data Arrival: 26587 , Exit:26709



# District Projects



Darjeeling District Portal

URL: <https://darjeeling.gov.in/>

### Highlights

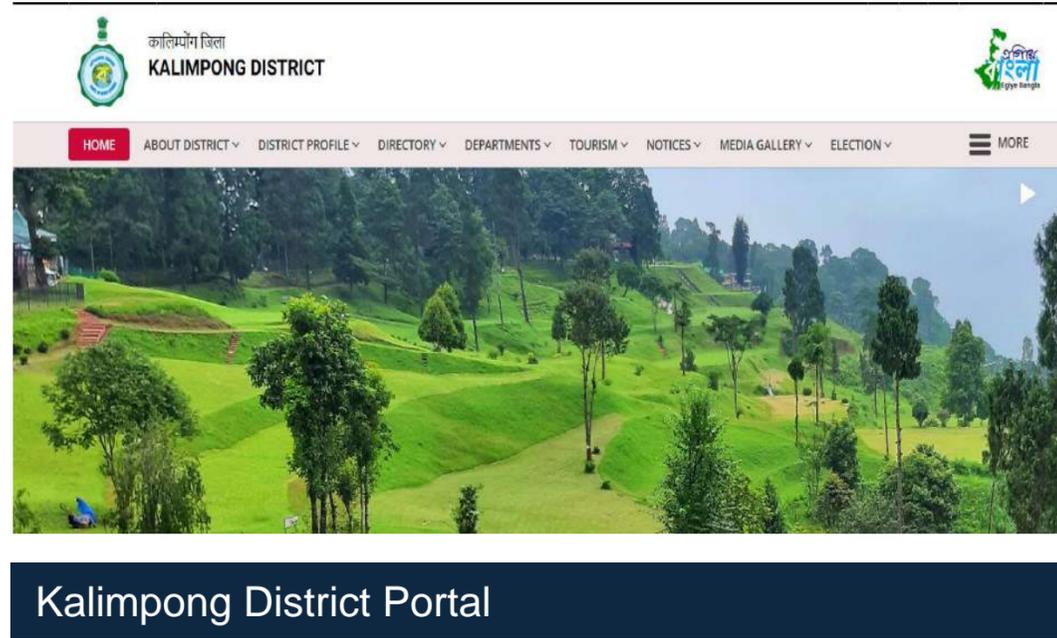
#### District Specific Activities

- CAA hearing for 31 applications at Darjeeling Post Office.
- Supported in EMMS related technical issues at field level.
- District Website updated regularly (S3WAAS).
- E-office support to users of District Administration.(along with Siliguri municipal corporation)
- Technical support for Email Creation/Update along with support for DA Admin Console.
- Provided consultancy & ICT Support to District Administration
- Active VC Support Given to DM Office for NIC VC, Bharat VC and others VC Platforms (Google Meet, Zoom, Webex etc.)
- Provided Support to GTA in e-Office and email related activity.
- Support for flagship schemes: Jai Bangla,Lakshmir Bhandar, Duare Sarkar, Kanyashree etc.
- Support for e-Tendering & e-Auction systems.
- Given support to district for Election related activities/BLO etc.
- IRAD Technical Support and Trainings to Police Stations and other stakeholders.
- NICNET Support:
  1. 220 nodes at Office of the District Magistrate, Darjeeling
  2. Office of the Jalapahar Cantonment Board (Ministry of Defence, DGDE)
  3. Office of the Lebong Cantonment Board (Ministry of Defence, DGDE)

1. 220 nodes at Office of the District Magistrate, Darjeeling
2. Office of the Jalapahar Cantonment Board (Ministry of Defence, DGDE)
3. Office of the Lebong Cantonment Board (Ministry of Defence, DGDE)

#### Contribution in State project: e-Panchayet Project (PRISM ID : 3661)

Enhanced UI-UX of e-Panchayet portal using DBIM Guidelines.



Kalimpong District Portal

URL: <https://kalimpong.gov.in/>

### Highlights

#### District Specific Activities

- Official District Website regularly updated (S3WAAS).
- E-office active in all section of district administration with ongoing support.
- Provided consultancy & ICT Support to district Administration.
- Technical help for E-Prosecution, eVahan, Sarathi.NDAL & ALIS
- Support for flagship schemes: Jai Bangla,Lakshmir Bhandar, Duare Sarkar, Kanyashree etc.
- Support for e-Tendering & e-Auction systems.
- Technical support for OBC SC/ST certificate (OSCAR).
- Email Create/Update Technical Support.
- IRAD Technical Support
- Coordination with members of Citizenship Amendment Act (CAA).
- VC Support
- NICNET Support:
  1. 18 nodes at Office of the District Magistrate, Kalimpong

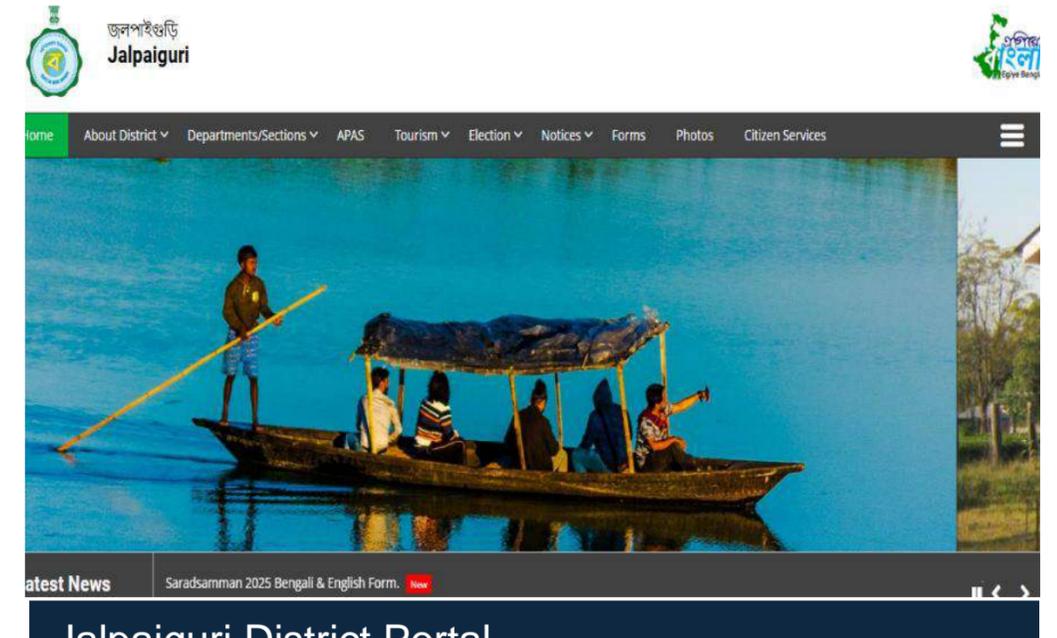
1. 18 nodes at Office of the District Magistrate, Kalimpong

#### Summary/Training

1. Training regarding registration, employee updation, verification, etc. on emms portal is given to heads of offices, admin users and others

#### Contribution in State project: e-Panchayet Project (PRISM ID : 3661)

Enhanced UI-UX of e-Panchayet portal using DBIM Guidelines.



Jalpaiguri District Portal

URL: <https://jalpaiguri.gov.in/>

### Highlights

#### District Specific Activities

- Official District Website regularly updated (S3WAAS).
- E-office active in all section of district administration with ongoing support.
- Provided consultancy & ICT Support to district Administration.
- Technical help for E-Prosecution, eVahan, Sarathi.NDAL & ALIS
- Support for flagship schemes: Jai Bangla,Lakshmir Bhandar, Duare Sarkar, Kanyashree etc.
- Support for e-Tendering & e-Auction systems.
- Technical support for OBC SC/ST certificate (OSCAR).
- Email Create/Update Technical Support.
- IRAD Technical Support
- Coordination with members of Citizenship Amendment Act (CAA).
- VC Support
- NICNET Support:
  1. 122 nodes at Office of the District Magistrate, Jalpaiguri
  2. Circuit Bench of Kolkata High Court at Jalpaiguri
  3. Office of SSB SHQ Panga Sahebbari
  4. Office of 17 SSB SHQ Falakata
  5. IVFRT Project Haldibari

1. 122 nodes at Office of the District Magistrate, Jalpaiguri
2. Circuit Bench of Kolkata High Court at Jalpaiguri
3. Office of SSB SHQ Panga Sahebbari
4. Office of 17 SSB SHQ Falakata
5. IVFRT Project Haldibari

#### Summary/Training

- 1.Regular User Training conducted for new/Changed module.
- 2.Updated process flow explained to user