सत्यमेव जयते

# Major Projects and Initiatives of NIC West Bengal

Digital India
Power To Empower

एनआईसी
National Informatics Centre

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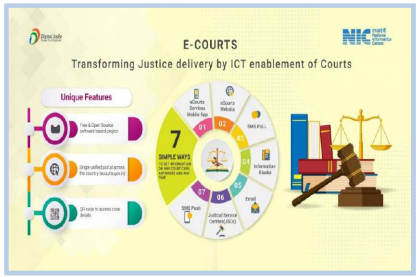
# Introduction




The National Informatics Centre (NIC), West Bengal State Centre, along with its district offices, plays a key role in advancing technology adoption and digital transformation in West Bengal's governance ecosystem.

By implementing various state and national-level e-governance initiatives, NIC West Bengal has laid a robust technological foundation for efficient public service delivery, fostering transparency and accountability in government operations.

# State Projects

The National Informatics Centre (NIC), West Bengal State Unit has successfully implemented a range of state projects and national projects to enhance governance and service delivery.

Under G2C (Government to Citizen) initiatives, projects like Integrated Financial Management System (IFMS),West Bengal Just-In-Time (WBJIT), Unified Project Management System (UPMS), Lakhshmir Bhandar, Jaibangla, West Bengal Election Manpower Management System (WBEMMS), WBDBT, WB Tourism, West Bengal Social Registry System (WBSRS), OSCAR, BMSSY ( Bina Mulye Samajik Suraksha Yojana ), West Bengal Bhabishyat Credit Card Scheme (WBBCCS), Nathikaran, Banglar bhumi , Banglar Shiksha, e-Allotment of Rental Housing Estates, e-Services for the Labour Department, e-Services of Directorate of Electricity, Kanyashree, Rupashree etc. focus on simplifying access to citizen services, promoting administrative transparency.

For G2B (Government to Business), like Silpasathi, Enterprise Business Application System(EBAS) initiative facilitates seamless business operations.

In G2E (Government to Employees), like Silpasathi, Enterprise Business Application System(EBAS) streamline business processes.

Lastly, under G2G (Government to Government), digital solutions like like Integrated Financial Management System (IFMS),West Bengal Just-In-Time (WBJIT), Unified Project Management System (UPMS), Lakhshmir Bhandar, Jaibangla, West Bengal Election Manpower Management System (WBEMMS), WBDBT, WB Tourism, West Bengal Social Registry System (WBSRS), OSCAR, BMSSY ( Bina Mulye Samajik Suraksha Yojana ), West Bengal Bhabishyat Credit Card Scheme (WBBCCS), Nathikaran, Banglar bhumi , Banglar Shiksha, e-Allotment of Rental Housing Estates, e-Services for the Labour Department, e-Services of Directorate of Electricity, Kanyashree, Rupashree etc. help to optimize governance.

# State Projects: G2C

https://wbkanyashree.gov.in https://admin.wbkanyashree.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. Presently, the software stack of the programme has being upgraded to Kanyashree Online v9.0.

Impact: Around 93.11 lakh Girls have been enrolled under this programme throughout the state. Around 3.29 Crore unit of Scholarships have been sanctioned so far. Enhanced value to citizen: Single-window & end-to-end ICT enablement application for Kanyashree girls.

- AI Abhigyan (AI Based Information Extraction from AADHAAR Image)
- AI Based Beneficiary De-duplication
- Integrated with SBI Gateway for Beneficiary bank account validation
- IFMS for Direct Benefit Transfer
- AI tools for smooth processing
- AI Based Conversational Chat & Voicebot

Registered Institutions - 17668 → Enrolled Applications – 3.36 Crores → Sanctioned Applications – 3.29 Crores → Unique Beneficiary– 93.11 Lakhs

"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.

**Key Features**

- Integrated with SBI Gateway for Beneficiary Bank Account Validation
- End to End ICT Enablement
- IFMS for Direct Benefit Transfer
- AI Abhigyan ( AI based information extraction from AADHAAR Image)
- Statistics

District 24

Block/Municipality 473

Beneficiary 19,06,338

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

**Impact:**
Total No. of Interventions reported in CMRTS portal: 9733
Enhanced value to citizen:
End-to-end ICT enabled solution

| | |
|---|---|
| Intervention Reported | 9733 |
| Home Enquiry Done | 7668 |
| Follow-up Done | 24804 |

Statistics as on: July 2025

# West Bengal Just-in-Time (WBJIT) and Integrated Financial Management System (IFMS)

**Highlights**

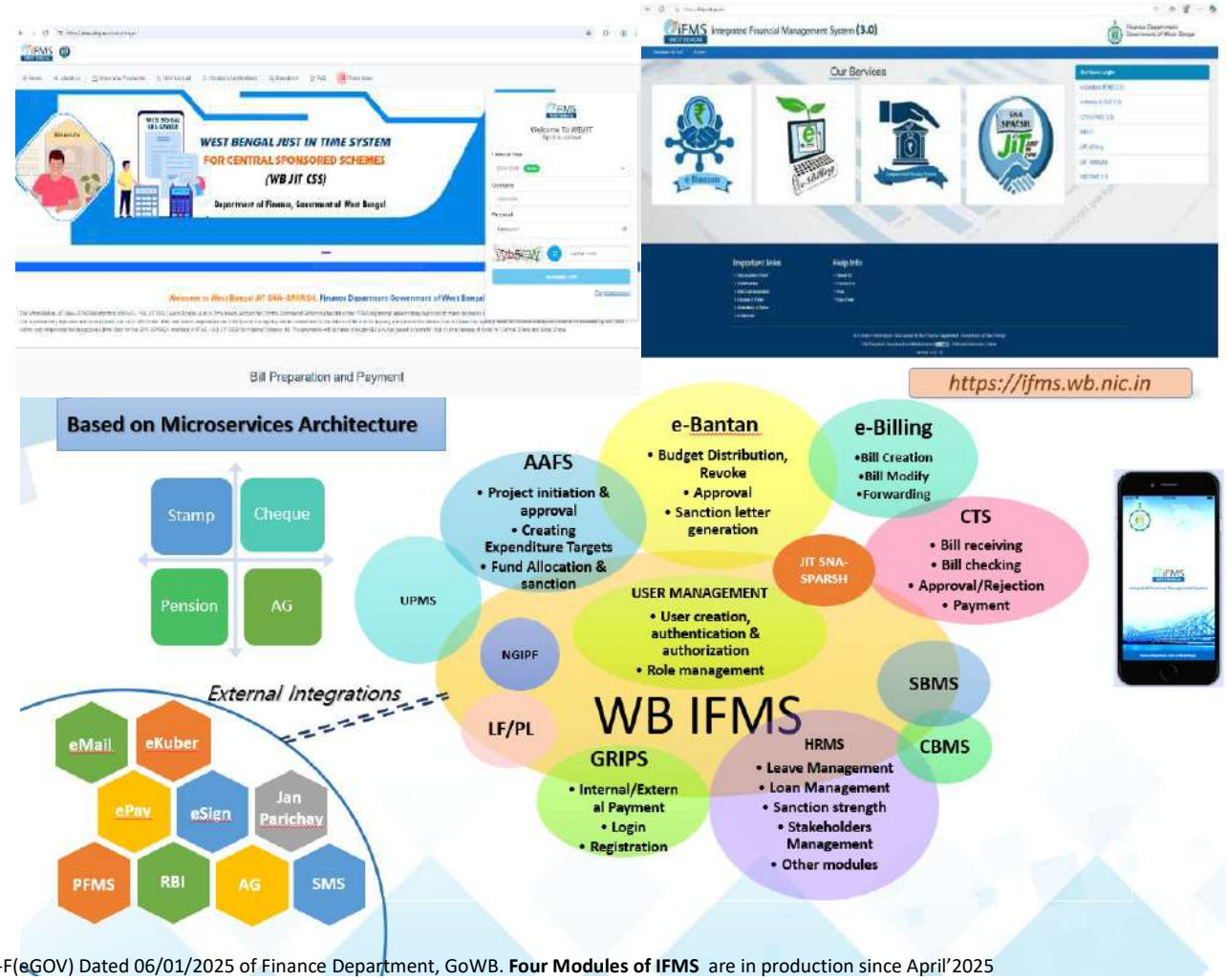
Production URL :https://ifms.wb.gov.in , https://ifms.wb.gov.in/wbjit/login , and UAT URL :https://train-ifms.wb.gov.in

**West Bengal Just-in-Time (WBJIT) Highlights**

- 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

**Integrated Financial Management System (IFMS)**

- 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




**Type of Application :** G2G, and G2C

**Training :**Training to Agencies and DDOs s in Offline and Online Mode.

**Achievement: WBJIT** Implemented Since 7th January as per Memo no. Memo No. 80-F(eGOV) Dated 06/01/2025 of Finance Department, GoWB. **Four Modules of IFMS** are in production since April'2025

**Statistics:** FY-24-25, FTO Sent to Bill : 4022, Amount : Rs 684.92 Crores (Approx.), and in **Current FY 25-26 (upto 21/08/25): FTO prepared : 35295, Amount : Rs. 1648.13 Crores (Approx.)**

# State Projects: G2G

## West Bengal Social Registry

https://socialregistry.wb.gov.in

- **On boarded schemes: 67**
- **Khadya Sathi Beneficiary :8.64 Cr.**
- **Scheme Beneficiary 14.67 Cr.**
- **Total Transaction Value 36.06 Th. Cr.**

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 131 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.

- *Khadya Sathi (KS) data taken as Single Source of Truth (SSoT).*
- *GIS-enabled LGD data for MIS reporting and dashboard.*
- *Unified Brochure of 130 schemed (State:68 and Central:62)*
- *Access Management through Multi-Factor Authentication and Role-Based Authorization*
- *Diverse data exchange mechanisms including Kafka, APIs, and Excel, with ongoing enhancements in data quality .*
- *Empowers digital governance and fosters informed, citizen-centric strategies.*
- *An AI-powered chatbot, Sihu (Tathvika), has been integrated to deliver information on various government schemes*
- *A structured, regularly updated set of charts using varied parameters for multi-level monitoring and analysis.*

Statistics as on: July 2025

# State Projects

PRISM ID: 18818

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"

**Composite CAF Generation**

Enables the creation of comprehensive application forms.

**Analytical Dashboard**

Provides insights through data visualization.

**Online Wizard**

Guides users through complex processes with ease.

**Query & Grievance**

Facilitates user feedback and issue resolution.

**Industrial Categorization**

Organizes industries for targeted support.

TECHNOLOGY STACK › Drupal, php, REST API, PostgreSQL

PRISM ID: 20746

bmssy.wblabour.gov.in

"Comprehensive Social Security Scheme for Unorganized Workers"

**REGISTRATION**
New beneficiary registration and CAF updates through the BMSSY portal.

**COMMISSION**
Service providers submit claims for commission and government grants.

**CLAIM**
Applying for death, disability, and PF benefits through service provider dashboards.

**USER MANAGEMENT**
Managing service providers from ALC or System Admin end.

**DUARE SARKAR**
PF Passbook and CAF updates delivered through the Duare Sarkar module.

**DIGITIZING**
Digitizing legacy beneficiary contributions for accurate calculations.

**PF PASSBOOK UPDATION**
Service Providers can update PF Passbooks for Beneficiaries.

**CHANGE REQUEST**
Updating beneficiary records like address and Aadhaar number.

**Bina Mulya Samajik Suraksha Yojana (BMSSY)**

Labour Commissionerate, Government of West Bengal

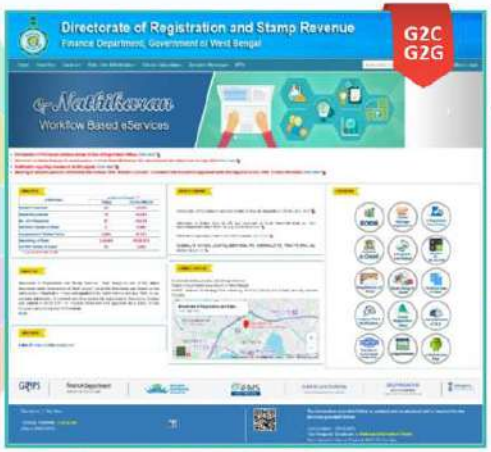
TECHNOLOGY STACK › JS, React, REST API, PostgreSQL, TS, N

# State Projects

**PRISM ID: 3449**
**wbregistration.gov.in**

*"Accelerating Digital Land Infrastructure"*
*Simplifying Fast & Transparent Property Registration at Your Fingertips*

- **e-Nathikaran System** — Secure backend system for digital preservation.
- **WbRegistration Portal** — Citizen-facing platform for online deed preparation.
- **Faster Processing** — Accelerated registration process through digital automation.
- **Secure Storage** — Enhanced data security with digital storage solutions.
- **Better Public Access** — Improved public access to land records online.




- **Erequistion Form** — Facilitates the submission of requests
- **ePayment** — Allows for seamless online transactions
- **Market Value Assessment** — Provides insights into property valuations
- **Searching of Deed** — Enables easy access to property records
- **Certified copy of Deed** — Ensures users have official documentation

**Directorate of Registration & Stamp Revenue**
Finance Department, Government of West Bengal

**TECHNOLOGY STACK** — SQL Server, .NET, C#, SQL

**PRISM ID: 3432**
**banglarbhumi.gov.in**

*"Simplify land service tasks and manage your property records digitally: know your property, apply for mutation, conversion, plot maps, pay fees securely, receive real-time updates—all online"*

- **eBhuchitra** — Centralized web application for comprehensive land record management.
- **Banglarbhumi Portal** — Single-window platform for accessing land-related services online.
- **Jomir Tothya App** — Mobile app providing convenient access to land services.

- **Mutation** — Facilitates the transfer of property rights
- **Conversion (ROR KHATIAN)** — Allows transformation of land records
- **Know Your Property** — Provides detailed information about land holdings
- **Revenue Payment** — Ensures efficient management of financial obligations

**Land & Land Reforms and Refugee Relief and Rehabilitation Department**
Government of West Bengal

**TECHNOLOGY STACK** — Java, HIBERNATE, SQL

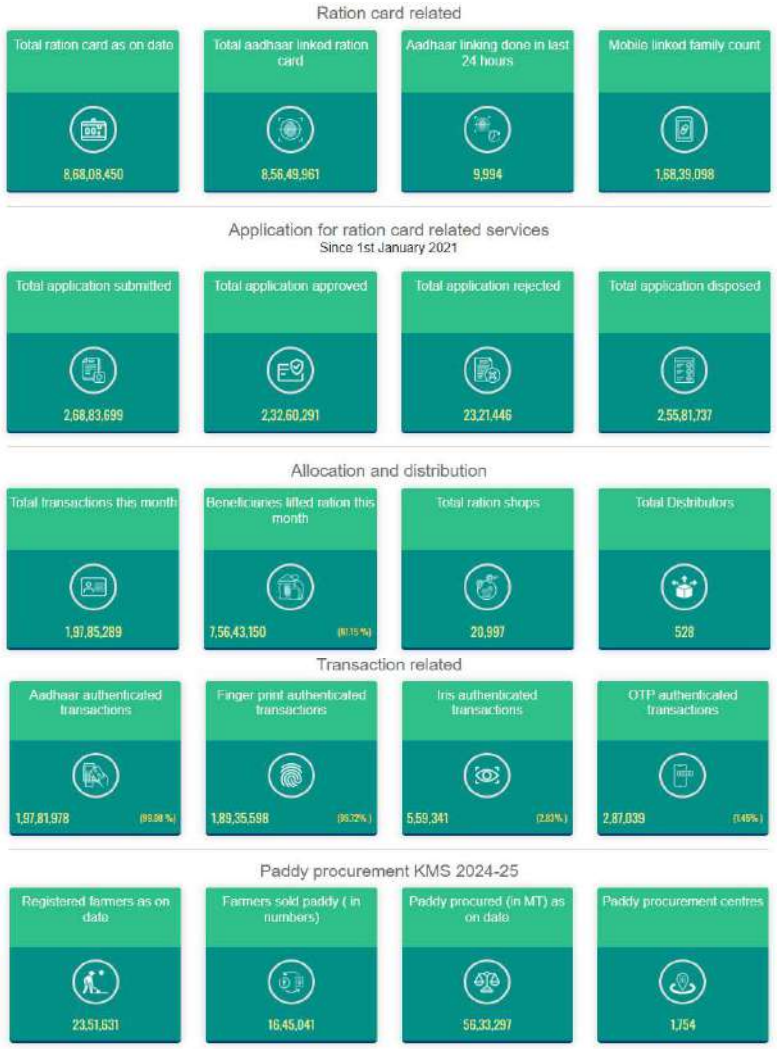
# Khadyasathi

## An End-to-End Public Distribution Management Solution

*(for Food & Supplies Department, Govt of West Bengal)*

- Connects **Beneficiary, FPS shops, Storage, Distribution and Paddy Procurement**
- Offers Self Service Operation for various Ration Card Services leveraging Aadhaar Authentication
- Manages key Storage, Distribution and Procurement functions
- All stake holder Billing and Payment is online

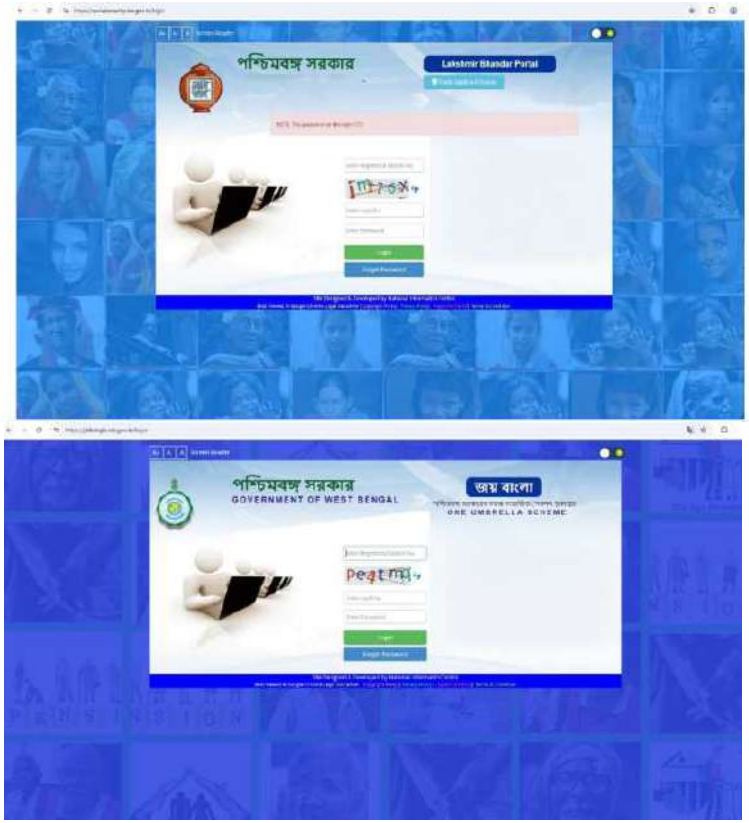
| | |
|---|---|
| **Total Beneficiary** | **– 8.68 Cr** |
| **Total Transactions** | **– 2.27 Cr** |
| **Aadhaar Authenticated Transaction** | **– 99.96 %** |
| **RC Related Services** | **– 170414** |



# Lakshmir Bhandar and Jai Bangla

**Highlights**

Production URL :https://socialsecurity.wb.gov.in , and https://jaibangla.wb.gov.in




**Lakshmir Bhandar**

A scheme of GoWB, which is promised to provide monthly assistant 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 is 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 made 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

**Jai Bangla**

- 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

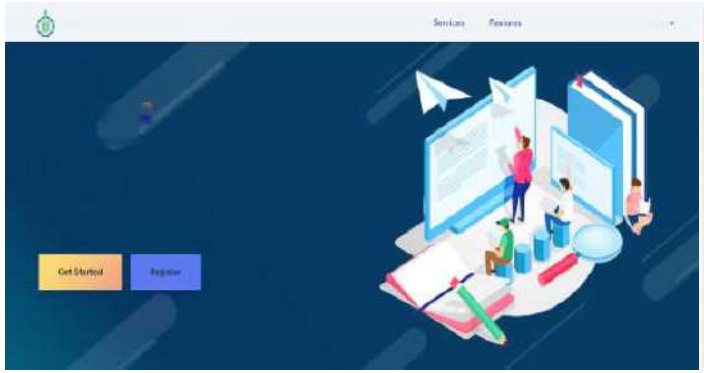
**Type of Application :** G2G, and G2C

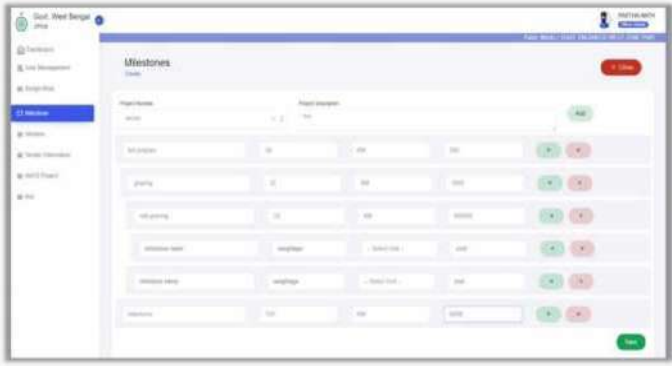
**Achievement:** Successfully development and running **Lakshmir Bhandar** since August'2021 with present **beneficiary around 2.14 Crore** with **monthly assistance of Rs. 2140 Cr. (Approx)** and **Jaibangla** since April'2020 with present **beneficiary of 76.65 Lakhs and Monthly Payment of Rs. 641.64 Cro. (Approx.).** Able to establish an automated pipeline to push all beneficiary and transaction to the Social Registry Portal

# Unified Project Management System (UPMS) and West Bengal Direct Benefit Transfer

**Highlights**

Production URL :https://upms.wb.gov.in , and https://dbt.wb.gov.in





**Unified Project Management System (UPMS)**

The Unified Project management System (UPMS) web based application has been developed to cover the areas of Proposal, Requisition, Planning, Design, Estimation following Schedule of Rates (SOR) and Non Schedule Items Rates, Sanction Approval, Administrative Approval, Tender, and monitoring physical and financial progress by integrating AAFS Module of IFMS and others

**West Bengal Direct Benefit Transfer ( WBDBT) Dashboard**

- 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**

**Type of Application :** G2G, and G2C

**Training :** Month Long Training Programme of PWD Engineers, Officials, and Other Department like PHE, Irrigation conducted

**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.

**Statistics** August 2025 (upto 21/08/25)

**Number of Projects created/modified: 907** , Number of Requisitions created/modified: 927, **Number of Estimates created/modified: 1023**

**Total Cost of Estimates: Rs. 29,93,41,87,100.85 (~ 3000 Cr.)** , Total User Activities recorded: 2323058, Total Workflows Generated: 3350, Total Documents Uploaded: 6294

# Election Projects and Tourism Department Website and Mobile App of Kalimpong

**Highlights**

Production URL :https://wbemms.nic.in , https://wbcems.nic.in , and https://wbtourism.gov.in

**Election Manpower Management System (EMMS) and Candidate Manpower 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, selfsupporting solution for single/multiple/simultaneous elections like Parliament, Assembly, Bye Elections. Implemented in Parliament Election 2024 and Assembly and Parliament Elections 2024.

Whereas the CEMS provides solution for contesting candidates expenditure in the Assembly or Parliament Election and generates Shadow Observation Register (SOR) as per guideline of ECI.

- 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

**Dynamic Web Portal of Tourism Department**

Integrated configurable web portal which serves as one-stop solution for Tourists. Stakeholders are allowed to login to 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.

**Type of Application : G2G, and G2C**

**Achievement:** Successfully development and implemented in the last Parliament Election'2024 and subsequent Bye-Elections held time to time.

# State Projects: G2C

Platform: PHP, Code Igniter, Bootstrap, PostgreSQL

## Banglarshiksha Portal of School Education Department

https://banglarshiksha.wb.gov.in

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.

- Total School - **95354**
- Total Teacher - **561122**
- Total Student - **17629165**

Platform: PHP, Bootstrap, jQuery, PostgreSQL

## Integrated Online Salary Management System Version(IOSMS)

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

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: **49146**
- No. of Secondary school: **13196**
- No of DPSC Establishment: **25**

Platform: PHP, Code Igniter, Bootstrap, PostgreSQL

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

https://schoolinfo.bnglarshiksha.gov.in

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 School - **93638**
- Total Teaching Staff – **581191**
- Total Non Teaching Staff - **33151**

Statistics as on: July 2025

# State Projects: G2C

Platform: PHP, Code Igniter, Bootstrap, PostgreSQL

## West Bengal Student Credit Card Portal, Higher Education Department

WBSCC Portal Empowers students through easy access to education loans of Rs. 10 lakhs maximum @ 4% per annum simple interest under the West Bengal Student Credit Card Scheme..

- No of Institutions: **11035**
- No of Bank Branches : **7439**
  Applications sanctioned by banks with loan amount - **92151 ( Rs. 3,403.37 Cr )**
- Total Loan disbursed by banks with disbursement loan amount- **68941 ( Rs. 1,158.94 Cr )**

Platform: PHP, Bootstrap, jQuery, PostgreSQL

## Swami Vivekananda Merit-cum-Means Scholarship, Higher Education Department



https://svmcm.wb.gov.in SVMCM Facilitate merit-cum-means scholarships to support bright and deserving students belonging to economically backward families in pursuing higher education from Class XI up to PhD level.

- No. of Institution: **10291**
- Beneficiaries for year 2024-25 : **4.4 Lakh (Rs. 874.9 Cr)**
- Total Beneficiary: **35.71 Lakh (Rs. 6159 Cr)**

Platform: PHP, Code Igniter, Bootstrap, PostgreSQL

## Banglar Uchcha Shiksha Portal Higher Education Department

https://banglaruchchashiksha.wb.gov.in BUS Portal is designed to streamlines academic, administrative, and regulatory functions across universities and colleges in the state. The portal enables data-driven decision-making, enhances transparency, and supports efficient governance in higher education.

- No of Universities : **42**
- No of Institutions : **1412**
- Total Students Profile : **3360381**

Statistics as on: July 2025

# State Projects: G2C

Platform: PHP, Code Igniter, Bootstrap, PostgreSQL

## eGovernance Portal of Government Polytechnics

**https://polytechnic.wbtetsd.gov.in**

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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. Principals of each College has the Administrator privilege to upload necessary information about the polytechnics.

improved governance.

- Total Routine Created – **2,48,610**
- Total Class Execution – **14, 55,224**
- Total Employee **- 2845**

Platform: PHP, Code Igniter, Bootstrap, PostgreSQL

## Integrated Online Salary Management System Version(IOSMS)

**https://dvet.wb.gov.in**

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

- No. of VTC: **2589**
- No. of Teacher/Instructor: **11211**
- No of Taruner Swapno Benificiary 2024-25: **83684**

Statistics as on: July 2025

# Directorate of Commercial Taxes (eComTax) GoWB - End-to-end ICT solutions of Commercial Taxes

**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 July 2025.**

## KEY SERVICES

- G2C - Return Filing ( WBST, VAT, CST, Entry Tax)
- G2C - Statutory Form Generation , Uploading Forms by
- G2C - Appeal - Revision - Review
- G2G Services for Revenue monitoring
- GST Analytics system - GST PRIME
- G2G Services for better Office Administration

| | | |
|---|---|---|
| 1. | Active Tax payers as on 31st Mar 25 | 4,38,333 |
| 2. | Total Revenue Collection During Financial Year 2024-2025 | 1,33,785 Cr. |

- Better detection of Tax Evasion, Revenue Leakage & Frauds
- Helps in future policy making etc.

## KEY FEATURES

- API based Data Consumption from GSTN
- On-line 'Settlement of Disputes'
- SMS & Email Integration
- Online appeal / revision facility
- Court Case Monitoring facility
- Monitor allotment of fund and Expenditure Statement
- Integration with GRIPS
- Quick Grievance Redressal

| eFiling of Return (VAT, CST, WBST, Sales Tax Deducted at Source-STDS) | Statutory Forms (C, F, EI, EII, F) | Assessment | Tax Recovery | Appeals | Forms uploaded from outside states |
|---|---|---|---|---|---|
| 114 | 70 | 0 | 03 | 13 | 29 |

GePNIC Simplified Procurement ePortal Platform | https://eprocure.gov.in

# West Bengal Procurement Portal

wbtenders.gov.in

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.

**During July 2025**

| #Value | #Tenders |
|---|---|
| -₹ 908759.06 Lakh | 34553 |

**Cumulative Since Inception**

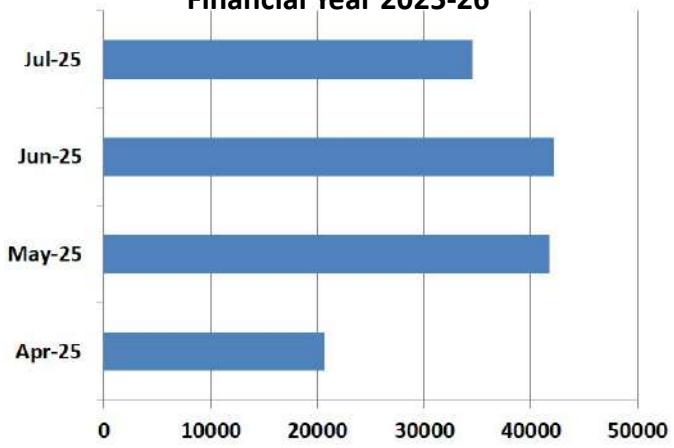
| #Value | #Tenders |
|---|---|
| -₹ 70951350.28 Lakh | 19.08 Lakh |

**Since Inception**

| #Bidders/ Contractors | #Departmental Users |
|---|---|
| 86589 | 20326 |

Active registered Organizations: 8903

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




## TRAINING SESSIONS IN JUNE 2025

5 Training Programs were held in the month of July 2025 with 92 participants on WB GePNIC Software, its different modules & workflow, Prerequisites and requirements for onboarding, complete eTender process flow and BoQ types

# State Projects: G2C

## COALRR

https://eclcoalrr.in/

The COALRR portal is designed to simplify the land acquisition process by providing a transparent and accountable digital platform. It facilitates recording of complex Plot, Khatian and Owner relationship for areas of ECL across West Bengal and Jharkhand. It helps to identify duplication of benefits.

PAF Card, GIS based visualization of plots, Acquisition, Possession, Compensation and Employment modules are the key features of this application.

- **Plots:** 53,403 **Acq. Area:** 36,668.8883 Acre
- **Khatians:** 10,200 **Owners:** 4,810

## OSCAR

https://castcertificatewb.gov.in/

OSCAR Portal is an end-to-end application designed for BCWD, Govt. of West Bengal. It helps the citizens to get Digitally Signed Certificates for ones belonging to SC,ST or OBC and to Economically weaker section. The site gives status to the citizens and enables them to access their certificates online.

Certificate API published in NAPIX helps external applications to integrate with OSCAR easily. Manual to Digital certificate, integration of Digilocker are other highlights of the application.

- **SC,ST,OBC Application**: 19023919 **SC,ST,OBC Certificates**: 16890330
- **EWS Applications**: 50968 **EWS Certificates** : 38119

# 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 an work flow 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.

Production URL :https://wbic.wb.gov.in

**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

**Type of Application : G2G, and G2C**

**Achievement:** Successfully development and implemented since the Year 2023.

# State Project : G2C

Platform: Drupal 7.103(PHP 8.2), PostgreSQL 15

### Paschim Banga Go Sampad Bikash Sanstha, Department of Animal Resource

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 : **21999**
- No. of Nos. Cattle are tagged to the system : **7491518**
- No. of Total artificial insemination done : **8478344**
- No. of Total calves born reported : **1302101**

Platform: Drupal 7(PHP 7.4), PostgreSQL- 9.2

### The Labour Department

https://wblabour.gov.in

The Labour Department of West Bengal is committed to workers' welfare and industrial harmony.
Its portal (https://wblabour.gov.in) integrates Asset Management and Content Management systems.
It streamlines compliance, enhances transparency, and ensures easy access to updated labour information.

- No. of Assets Submitted : **24554**
- No. of Users : **24554**

# State Project : G2C

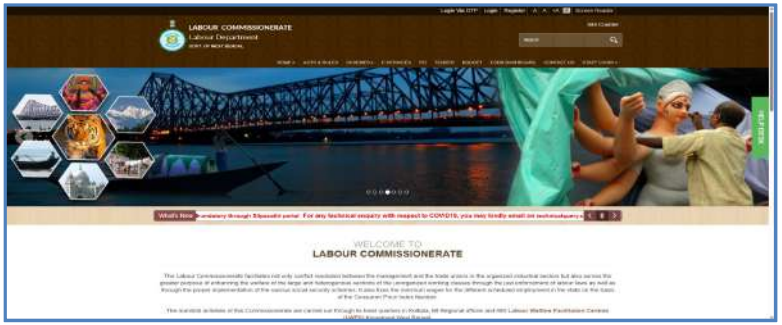
Platform: Drupal 7(PHP 5.6) , PostgreSQL 13

## Directorate of Boilers, Department of Labour

https://boilers.wb.gov.in/

Directorate of Boilers is a statutory body under Labour Department, Govt. Of West Bengal, acting in accordance with the provisions of the Boilers Act, 1923, Indian Boiler Regulations 1950 and Rules made thereunder

- No. of Boiler Registration P.O (form V) & Final Certificate (form VI) : **1608**
- No. of Boiler Renewal P.O (form V) & Final Certificate (form VI) : **30230**
- No. of Final Certificate Repairers Application : **2154**
- No. of Boiler manufacturer (Final Certificate) : **147**
- No. of Examination of Drawing Certificate issued fordrawing : **144**
- No. of Boiler Manufacturing Certificate issued for manufacturing : **539**
- No. of Form III A Certificate issued for form3a : **1064**
- No. of Boiler Ownership Certificate issued for Transfer of ownership : **42**
- No. of Testing of Materials Reports issued for Testing of materials : **934**




Platform: Drupal 7 (PHP 5.4), PostgreSQL- 9.3

## Labour Commissionerate, Department of Labour

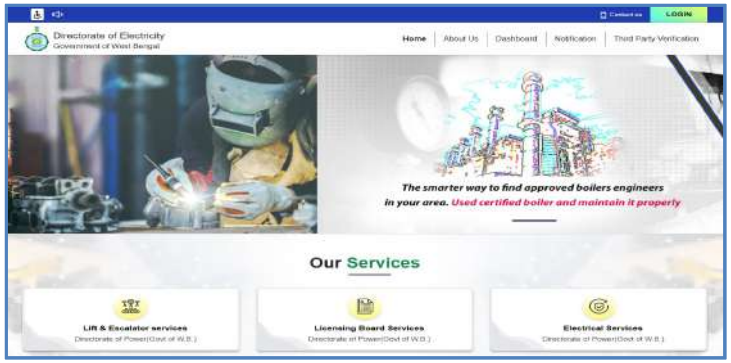
https://wblc.gov.in

The Labour Commissionerate, Govt. of West Bengal, ensures industrial harmony, labour law enforcement, and social security for workers.

Its ICT-based portal (https://wblc.gov.in) provides transparent e-services to employers, contractors, and trade unions across the state.

- No. of Nos. of Registrations/Amendment of Principal Employer under CLRA : **27724**
- No. of Nos. Contractor License Generated : **19609**
- No. of Principal Employer registered under ISMW : **229**
- No. of Establishment registration under BOCWA : **3365**
- No. of Registered Trade Unions : **21015**

# State Project : G2C




Platform: CodeIgniter 3(PHP 8.2.29), PostgreSQL: 15.10

### 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+**

Platform: Word Press(PHP: 5.6),PostgreSQL: 15.10

### 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, WBPDCL & CEI)**

# State Project : G2C

Platform: Drupal 7(PHP-8.0.30), Postgres- 15

## Rental Housing Estate, Department of Housing

https://wbhousing.gov.in/

he 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**

Platform: Laravel 12(PHP 8.3), PostgreSQL 16

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

https://youthservicesandsports.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**

# State Project : G2C

Platform: CodeIgniter 3(PHP 8.2), MYSQL

**The West Bengal Textile Incentive Scheme,Department of Micro, Small & Medium Enterprises and Textiles**

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 : **133**
- No. of Application Approved : **24**
- No. of Total Approved Amount : **1758.648** Lakh
- No. of Power Textiles Registered : **30**
- No. of Handloom Textiles: **125**

Platform: Laravel 12(PHP 8.3.19), PostgreSQL 16

**E-Services of Marketing Incentive,Directorate of Textile (Handloom etc.)**

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.

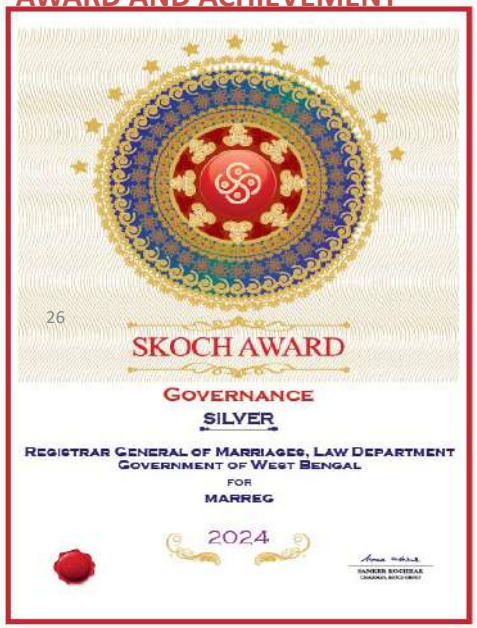
# MARRIAGE REGISTRATION IN WEST BENGAL

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 **651460** nos. of marriages under Special Marriage Act 1954 and **416216** 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.

## YEAR WISE CERTIFICATES GENERATED

| Year | Certificates Generated |
|---|---|
| 2019 | 89932 |
| 2020 | 149754 |
| 2021 | 189217 |
| 2022 | 183961 |
| 2023 | 168948 |
| 2024 | 171447 |
| 2025(till 04-07-2025) | 114454 |

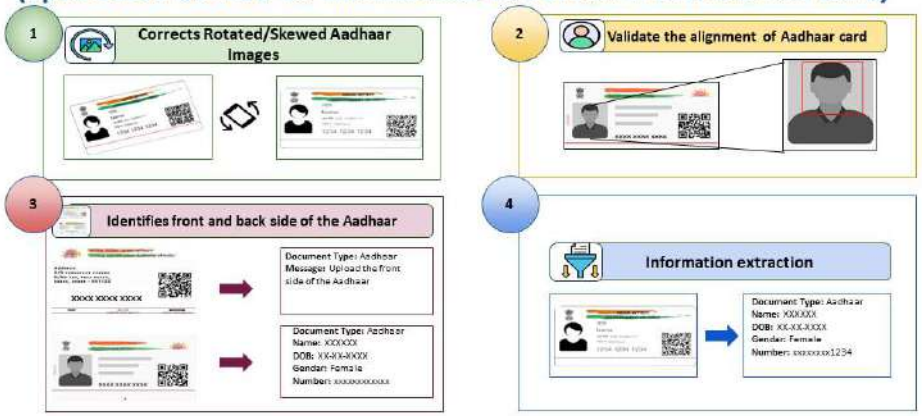
## AWARD AND ACHIEVEMENT



# State Projects: G2C

## CoE AI Lab, Kolkata

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

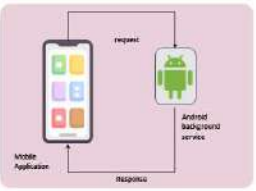



99.3 lakh API hits has been recorded

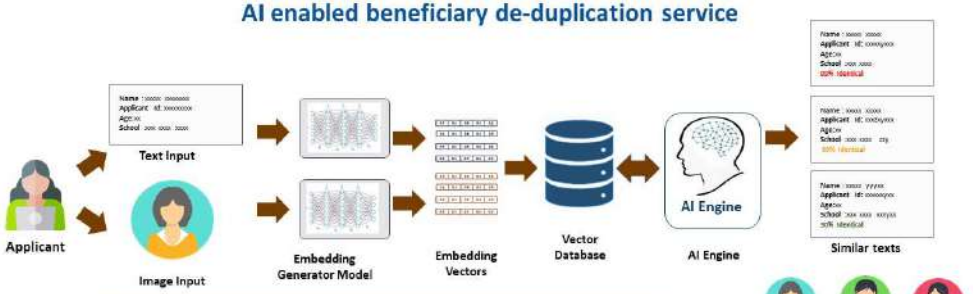
### AI Shirshankh
AI-Enabled Person Count Services of NIC

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

AI Shirshankh in Edge Device



### AI enabled beneficiary de-duplication service




Similarity Search as a Service for Texts and Images

AI- Transaction in Kanyashree 3.02 core

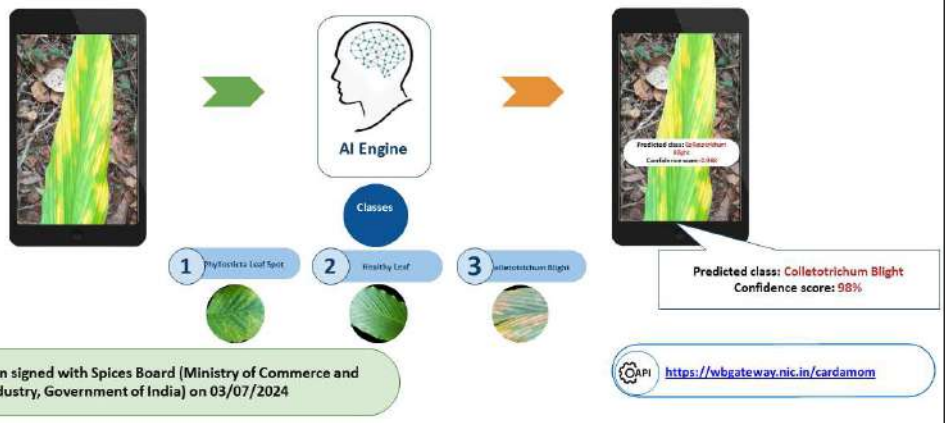
AI- Transaction in Rupashree 59 Lakh

Statistics as on: July 2025

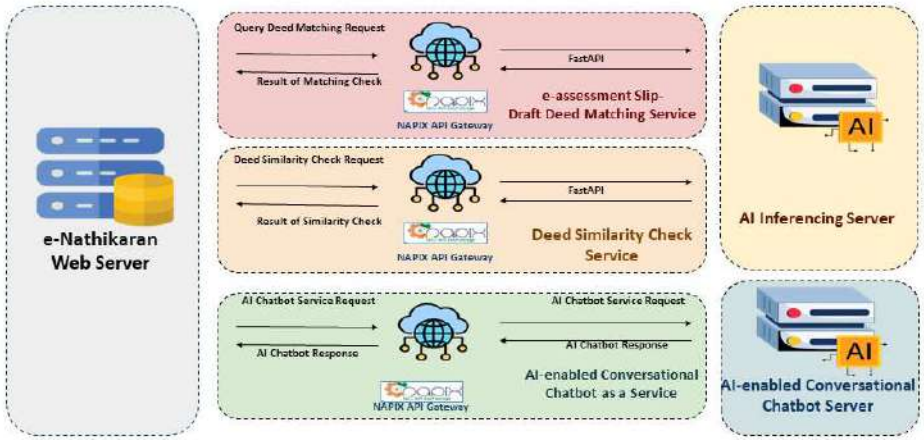
# State Projects: G2C

## CoE AI Lab, Kolkata

### AI Enabled Cardamom Leaf Disease Classification

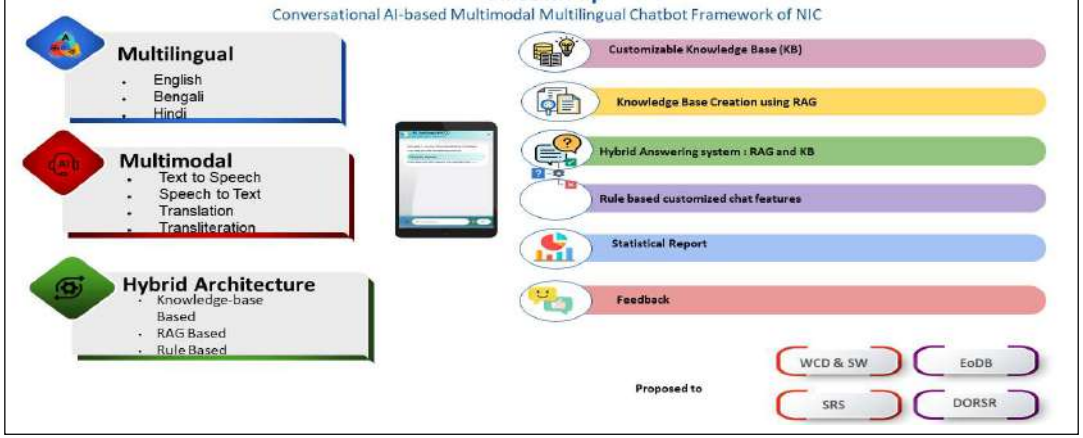



### AI Services for e-Nathikaran



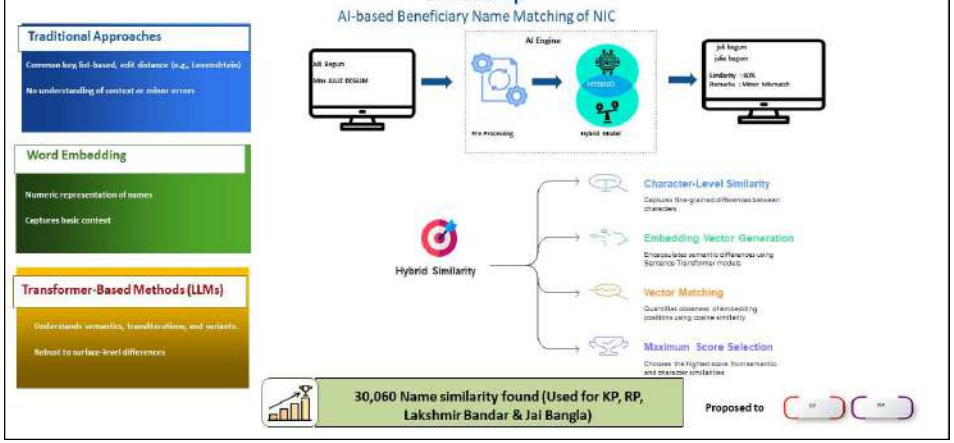

### AI Sanlaap

Conversational AI-based Multimodal Multilingual Chatbot Framework of NIC




### AI Anurup

AI-based Beneficiary Name Matching of NIC



# State Projects: G2C

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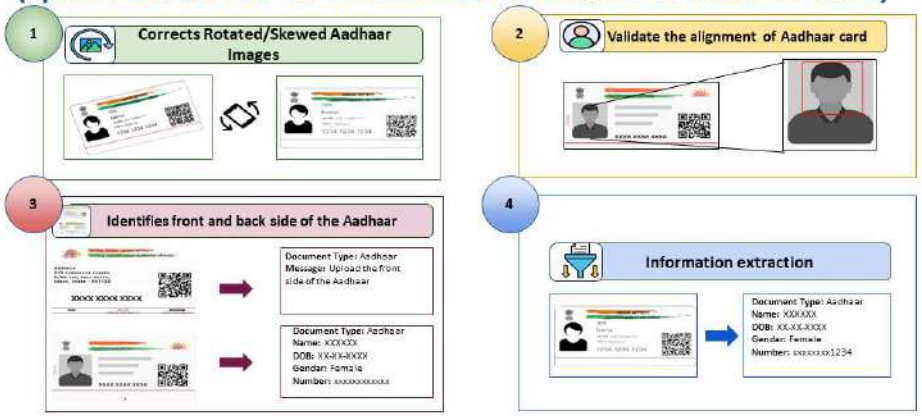


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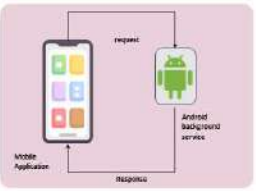

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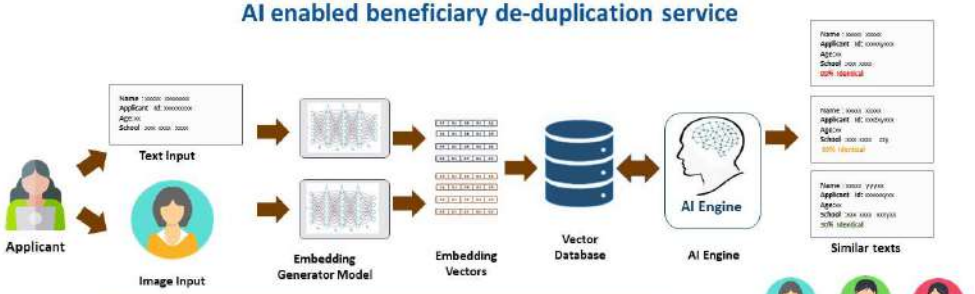


Similarity Search as a Service for Texts and Images

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Statistics as on: July 2025

# State Projects: G2C

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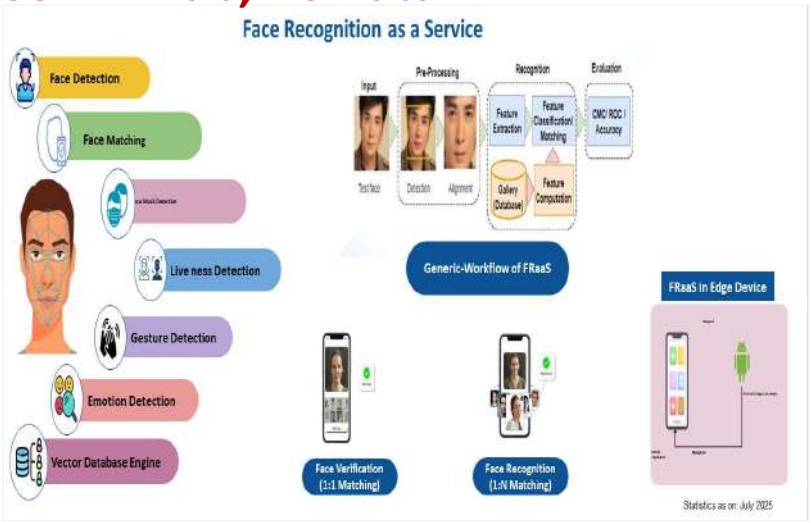
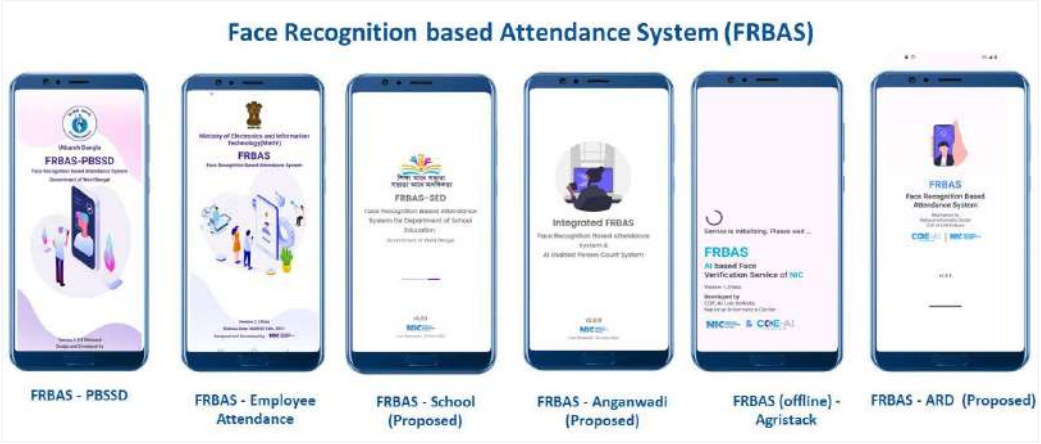





Statistics as on: July 2025

# eCounselling

Prism Id: 2884, 3061, 3130

- Centralized Medical Counselling Platform(PG & UG of Medical, Dental & AYUSH)
- Streamlined Registration & Application Process
- Real-Time Merit-Based Seat Allotment.
- Automated Allotment Letters & Admission Status
- Offers timely support and resolution through helpdesk integration, FAQs, and user guidance

**Technology Stack**
- MS ASP.NET Framework , IIS 8.0 . Database: SQL Server 2017, AJAX, JS

**DevOps**
- Software Development Method using GitLab CI/CD pipeline

https://wbmcc.nic.in/

HOD: Rupa Kar, Scientist E — E-mail: rupa.kar@nic.in
Project Coordinator: Manas Kumar Bhattacharya, Sc-F — E-mail: manas.bhattacharya@nic.in
SIO : Shri Atanu Das, DDG& Sc-G — E-mail : sio-wb@nic.in

# eAbkari for NCT Delhi state Excise

National Informatics Centre

Prism Id:3490

- Ensuring public health through Regulation and intelligence, Enforcement Measures.
- Minimum consumption maximum revenue ensured.
- Excise License Management to render 360 degree profile of Excise Licensees
- Inventory Management at all Excise Nodes
- Excise Revenue Management

**Technology Stack**
- MS ASP.NET Framework , IIS 8.0 . Database : SQL Server 2022

**DevOps**
- Software Development Method using GitLab CI/CD pipeline

https://eabkari.delhi.gov.in/

HOD: Manas Kumar Bhattacharya Sc-F — E-mail: manas.bhattacharya@nic.in
Project Coordinator: Manas Kumar Bhattacharya, Sc-F — E-mail: manas.bhattacharya@nic.in
SIO :Shri Atanu Das, DDG& Sc-G — E-mail : sio-wb@nic.in

# National Port Project developed in West Bengal

## Enterprise Business Application System (EBAS)

https://hdceodb.smportkolkata.in

- ✓ Covers Port Operations & Functional activities
- ✓ 30 Modules with 1500 UI and 3500 reports
- ✓ MyPort mobile App & email Bulletin services
- ✓ Running successfully since 2003 at Haldia port
- ✓ Operated 50K Vessels 189K Rakes, 12 Lac Vehicles.
- ✓ Managed 6 Lac Consignments & 29 Lac Containers
- ✓ Generated 50 Lac messages & 89 Lac Tax Invoices.

## Port Operation Management System (POMS)

https://kdseodb.smportkolkata.in

- ✓ Covers Port Operations & Billing activities
- ✓ 30 Modules with 700 UI and 1500 reports
- ✓ PortSathi mobile App & email Bulletin services
- ✓ Running successfully since 2010 at Kolkata port
- ✓ Operated 22K Vessels 48K Rakes, 47 Lac Vehicles.
- ✓ Managed 29 Lac Consignments & 84 Lac Containers
- ✓ Generated 144 Lac messages & 33 Lac Tax Invoices.

Statistics as of June 2025

# National Projects Implemented in West Bengal

### eOffice

eOffice implementation has paved the way for more efficient and transparent governance in West Bengal with all 54 Line departments, 236 directorates, 22 districts, 39 sub-divisions of state govt and in more than 20 central govt offices being on 100% eFile mode, enabling users to access files from anywhere and at anytime.

- eFiles created: 14,70,879
- eReceipts created: 79,56,891
- eFile moved: 3,50,21,241
- eReceipts moved: 28,92,41,517

### Service Plus

https://tathyasathi.bangla.gov.in
https://serviceonline.gov.in/

Service Plus framework is used create various e-governance services for Government of West Bengal and Tea Board of India.

- E-Governance Service Running: 53
- Application Received: 22,32,791
- Application Approved: 17,41,946
- DBT Amount Delivered: 65,34,32,730.5

Statistics as on: June 2025

# National eTransport Projects Implemented in West Bengal

Vehicle related Services

Driving License related Services

Homologation

National Permit

Fancy Number

Online CheckPost

eChallan

PUCC

VLTD Maker

SLD Maker

Vahan Green Sewa

Trade Certificate

Driving School

AITP

Vehicle Recall

Integrated Road Accident Database

mParivahan App

mVahan App

eChallan App

Automated Fitness Centre

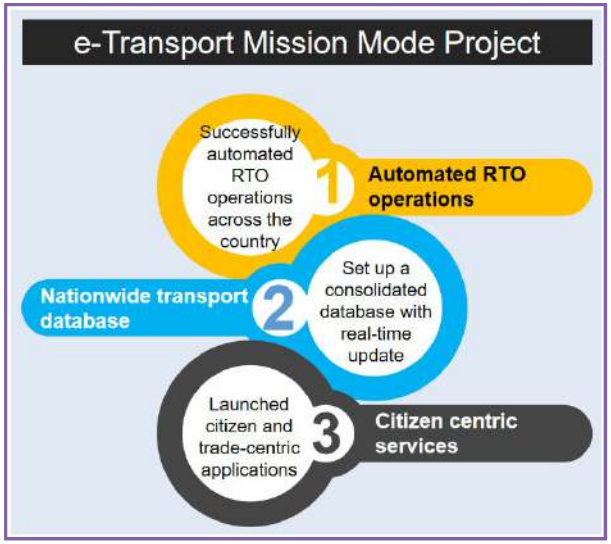
VLT&EAS

Vehicle Scrapping

Dealer Authorization certificate (DAUC)



eTransport Landscape

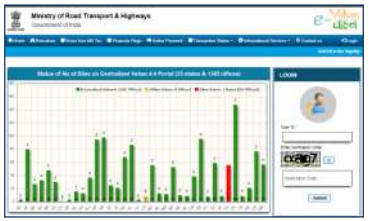


Introduction of Faceless Services for Citizen

# National eTransport Projects Implemented in West Bengal

**eTransport**

https://parivahan.gov.in/parivahan




VAHAN

SARATHI

IRAD

PUCC

eCHALLAN

eDetection

West Bengal has Flagship applications of NIC under e-Transport such as Vahan, Sarathi, eChallan, PUCC, IRAD, eDetection

- Number of vehicles registered through Vahan: 1,74,23,290
- Number of Driving Licenses issued through Sarathi: 97,82,844
- Number of PUCC issued: 2,94,04,305
- Number of eChallan issued: 82,04,626
- Number of eDetection challans- 13

Statistics as on: July 2025

# National Projects Implemented in West Bengal

## eTransport

https://parivahan.gov.in/parivahan

West Bengal has Flagship applications of NIC under e-Transport such as Vahan, Sarathi, eChallan, PUCC, IRAD

- Number of vehicles registered through Vahan: 1,73,36,509
- Number of Driving Licenses issued through Sarathi: 97,20,405
- Number of PUCC issued: 2,89,11,356
- Number of eChallan issued: 78,77,067

Statistics as on: June 2025

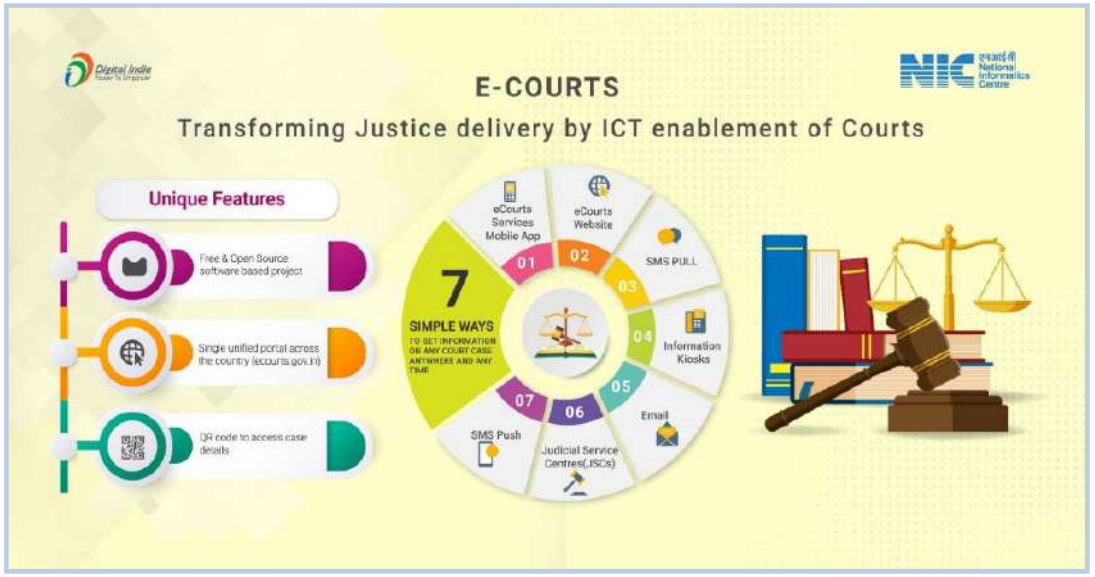
# National Projects Implemented in WB

## 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.

37




## District Courts at a glance

Court Complexes: **92**

Cases in DB (pending & disposed): **9446151**

Court Establishments: **277**

Orders: **13055404**

## High Court at Calcutta

| Bench | Institution | Disposal |
|---|---|---|
| Principal Bench , Original Side | **33929** | **37947** |
| Principal Bench , Appellate Side | **258970** | **283270** |
| Circuit Bench at Port Blair | **4840** | **4446** |

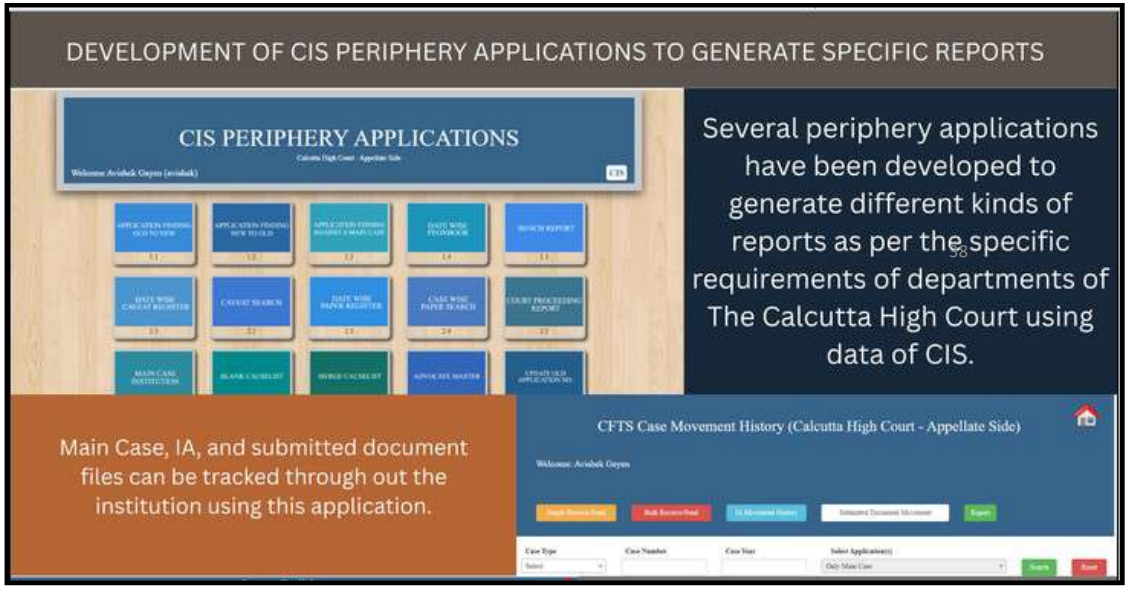
**E-filing count (till June,2025): 3871** (Hon'ble High Court at Calcutta)

**637** (District Courts of W.B.)

# 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

# Empowering West Bengal through Innovation

**National Informatics Centre**
West Bengal State Centre
Vidyut Bhaban,Ground floor
Block –DJ,Sector-II
West Bengal-700091
Website: https://wb.nic.in/