Government of India
National Informatics Centre
West Bengal State Centre

West Bengal State At A Glance
October 2025

Name of Project **Index** **Page No.**

IFMS(Integrated Financial Management System)……..5

WBJIT(West Bengal Just In Time System)……..6

UPMS(Unified Project Monitoring System)……..7

WBDBT…….. ……..8

Lakshmir Bhandar……..9

Jai Bangla……..10

Election Projects(Manpower Management EMMS & CEMS)……..11

Tourism portal and mobile App for Kalimpong……12

AppComs and Dynamic Web site of West Bengal Information Commission……..13

WBBCCS (West Bengal Bhabishyat Credit Card Scheme)……..14

Silpasathi……..15

Land & Land Reforms & Refugee Relief……..16

Directorate of registration and stamp Revenue……..17

e-PBGSBS Management System……..18

e-services for DoE……..19

e-allotment of Rental Housing Estates, Housing Department……20

WBTIS……..21

WBpower……..22

Youth Service……..23

Marketing Incentive……..24

Name of Project **Index** **Page No.**

Marriage Registration portal……..25

E-com Tax……..26

West Bengal Procurement Portal……..27

School Information System……..28

Banglar Siksha portal……..29

Integrated Online Salary Management System Version 2.0……30

Merit Cum Means……..31

WBSCC……..32

Governance Portal of Govt. Polytechnics……..33

CoalRR……..34

BCW Department for Caste Certificate Application(OSCAR)……..35

e-challan……..36

iRAD……..37

PUCC……..38

SARATHI……..39

VAHAN……..40

e – detection……..41

CMS Portal……..42

Name of Project **Index** **Page No.**

West Bengal Social Registry……43

Port Operation Management System……44

Enterprise Business Application System……45

eoffice……46

Service plus……47

NIC NET……48

Video Conferencing (Pragati)……49

NKN……50

Nextgen Kanyashree……51

Rupashree……52

Child Marriage Tracking……53

eAbkari (NCT Delhi) ……54

eCounselling ……55

Khadyasathi ……56

AI SuperComputing……57

WB Data Centre……58

WB NAPIX……59

Unified DevSecOps……60

CoE AI Lab ……61-70

District at a glance……71 - 74

Integrated Financial Management System (IFMS)

PRISM ID : 3122

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

Highlights

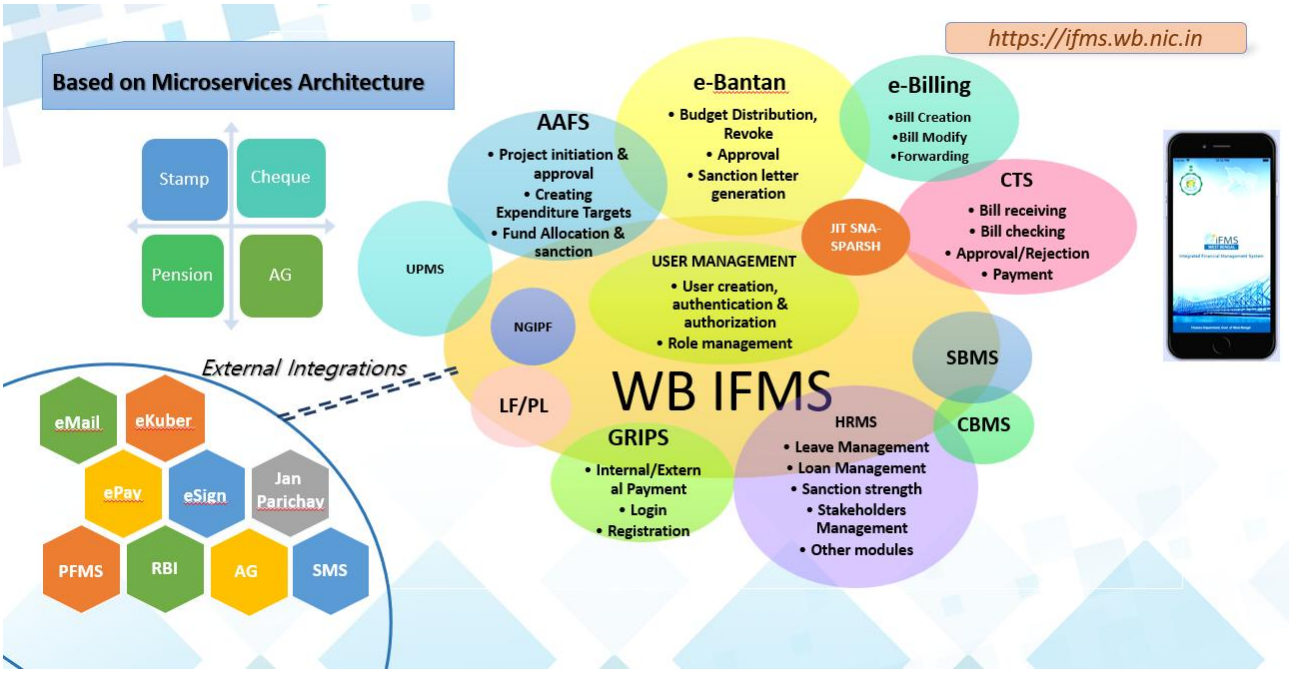
Integrated Financial Management System (IFMS)

- 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

Technology Stack :

Angular, Dot Net Core, Laravel , RabbitMQ, Redis, GitLab, DevSecOps
Database : PostgreSQL



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 Oct'2025 : Bill Voucher: 4500(8144), Amount : Rs 277.48 (608.64) Crores (Approx.), and in Current FY 25-26 : Cumulative Bill Voucher: 39876(Prev. 36461), Amount : Rs. 2606.02 (Prev. 2328.54) Crores (Approx.)

HOD : Ashis Mukherjee, Scientist-F and ASIO
(email : shod5-wb@nic.in)
HOG : Atanu Das, DDG & SIO
(email : sio-wb@nic.in
Link Officer : Sarajit Dey, Scientist-F , email : shod7-wb@nic.in
Other Officers : Krishnendu Das, Sc-D, Gaurav Basu, Sc-D, Saikat N. Bhattacharya, Sc-D, Samik Bhattacharya , Sc-D, Dipankar Bachhar, Sc-D
email : officer5.fifms-wb@nic.in, officer4.fifms-wb@nic.in, officer3.fifms-wb@nic.in, officer2.fifms-wb@nic.in, officer2.nicmdck-wb@nic.in

West Bengal Just-In-Time (WBJIT)

PRISM ID : 3848

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

Highlights

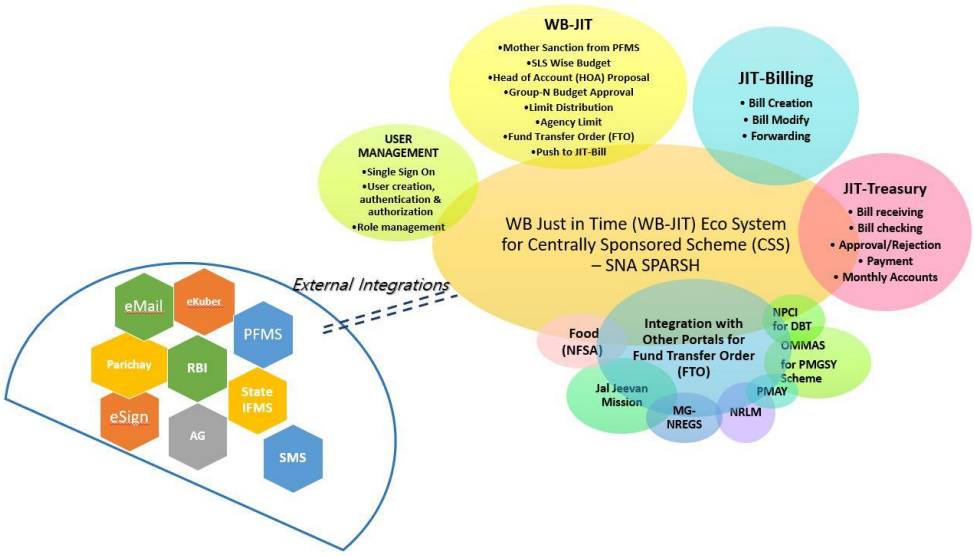
- Solution for Just-in-time Payment for Centrally Sponsored Schemes (CSS) implemented by Government of West Bengal (GoWB) following mandate of SNA-SPARSH Mandate of Government of India (GoI)
- 4 modules: User Management, WBJIT, JIT-Bill, JIT-Treasury S Development based on Microservices Architecture
- 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

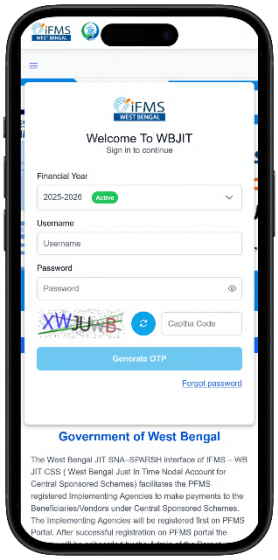
Technology Stack:

Angular, Dot Net Core, RabbitMQ, Redis, GitLab, DevSecOps

Database : PostgreSQL

Type of Application : G2G, and G2C





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

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

Statistics: During Oct-2025 , **FTO prepared : 5469, Amount : Rs 315 Crores (Approx.) and for FY25-26 , FTO 54020, Amount : Rs. 2747.107 Crore (Approx)**

HOD : Ashis Mukherjee, Scientist-F and ASIO
(email : shod5-wb@nic.in)

HOG : Atanu Das, DDG & SIO
(email : sio-wb@nic.in

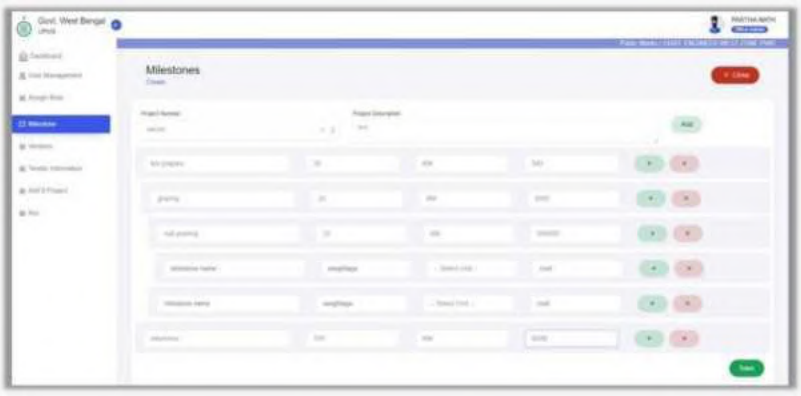
Link Officer : Sarajit Dey, Scientist-F , email : shod7-wb@nic.in

Other Officers : Krishnendu Das, Sc-D, Gaurav Basu, Sc-D, Saikat N. Bhattacharya, Sc-D, Samik Bhattacharya , Sc-D, Dipankar Bachhar, Sc-D
email : officer5.fifms-wb@nic.in, officer4.fifms-wb@nic.in, officer3.fifms-wb@nic.in, officer2.fifms-wb@nic.in, officer2.nicmdck-wb@nic.in

Unified Project Management System (UPMS)

Highlights **PRISM ID : 3158**

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



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

Type of Application : G2G, and G2C

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.

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

Technology Stack :

Laravel , RabbitMQ, Redis, GitLab, DevSecOps
Database : PostgreSQL

Key Features

Management of all the works and nonworks related projects from inception to completion including Schedule of Rate (SOR), project estimation, DPR preparation, approval, sanction, physical and financial progress management, billing and disbursement

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

October-2025
Number of Projects created/modified: 1153(1077) ,Number of Requisitions created/modified: 1207(1123), Number of Estimates created/modified: 2009 (1903) Total Cost of Estimates: Rs. 3977(3693) Crores (Approx)
Total User Activities recorded: 5392457 (4516318), Total Workflows Generated: 26741(24503) **NB : Prev months' fig shown in braces**

Stakeholders : Department of Finance, GoWB, Public Works Department, GoWB, Irrigation & Waterways Department, GoWB, Department of Urban Development & Municipal Affairs, GoWB

HOD : Ashis Mukherjee, Scientist-F and ASIO
(email : shod5-wb@nic.in)
HOG : Atanu Das, DDG & SIO
(email : sio-wb@nic.in
Other Officer : Saikat N. Bhattacharya, Sc-D [email : sn.bhattacharjya@nic.in]

West Bengal Direct Benefit Transfer (WBDBT)

PRISM ID : 3052

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

Highlights:

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

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

Technology Stack:

Angular, Dot Net Core,, GitLab, DevSecOps
Database : PostgreSQL

HOD : Ashis Mukherjee, Scientist-F and ASIO
(email : shod5-wb@nic.in)
Other Officer : Krishnendu Das [email : krishnendu.d@nic.in]

HOG : Atanu Das, DDG & SIO
(email : sio-wb@nic.in

Lakshmir Bhandar

PRISM ID : 2632 Production URL :https://socialsecurity.wb.gov.in

Highlights

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 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.

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 October '2025. Able to establish an automated pipeline to push all beneficiary and transaction to the Social Registry Portal

Type of Application : G2G, and G2C

Training : Continuous Online Training to stakeholders with SOP

Key Features

- **Aadhaar has been 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 thorugh 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**
- **Total Approved Beneficiaries : 2.20 Crores (Approx) Amount Disbursed : 2124.43 Cr.**

Technology Stack :

Laravel ,Kafka Database : PostgreSQL

HOD : Ashis Mukherjee, Scientist-F and ASIO (email : shod5-wb@nic.in)

HOG : Atanu Das, DDG & SIO (email : sio-wb@nic.in

Other Officer : Gaurav Basu, Sc-D, and Krishnendu Das [email : gaurav.basu@nic.in, and krishnendu.d@nic.in]

Jai Bangla

PRISM ID : 17866 (Legacy Project) Production URL : https://jaibangla.wb.gov.in

Highlights

End-to-end ICT based solution for Monthly pension of social sectors of all departments of GoWB in Multitenant architecture. The portal used to provide Social pension of many departments
Type of Application : G2G, and G2C

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

Key Features and Statistics

- **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**
- **Toatl Approved Beneficiaries :80.78 Lakhs (Approx)**
- **Amount Disbursed in Oct'2025 : Rs 730.129Crore (Approx)**

Technology Stack :

Laravel , Kafka Database : PostgreSQL

Training : Continuous Online Training to stakeholders with SOP

HOD : Ashis Mukherjee, Scientist-F and ASIO (email : shod5-wb@nic.in)
HOG : Atanu Das, DDG & SIO (email : sio-wb@nic.in
Other Officer : Gaurav Basu, Sc-D, and Krishnendu Das [email : gaurav.basu@nic.in, and krishnendu.d@nic.in]

Election Projects (WBEMMS and WBCEMS)

PRISM ID : 3245 and 3247

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

Highlights:

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, self- supporting 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.

Technology Stack :

Laravel , RabbitMQ, Redis, GitLab, DevSecOps

- 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

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. Implementation for Assembly Election'2026 already started. Office Registration is in progress.

HOD : Ashis Mukherjee, Scientist-F and ASIO
(email : shod5-wb@nic.in)
Other Officer : Saikat N. Bhattacharya, Sc-D , and
Samik Bhattacharjee, Sc-D [email : sn.bhattacharjya@nic.in, samik.b@nic.in]

HOG : Atanu Das, DDG & SIO
(email : sio-wb@nic.in

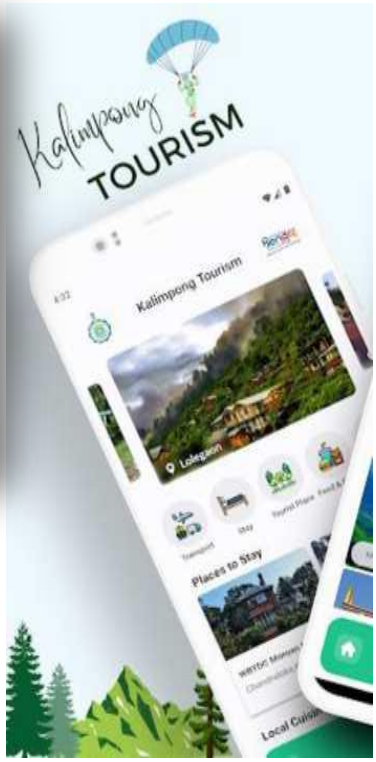
Tourism Department Website and Mobile App of Kalimpong Tourism

PRISM ID 3139

Production URL https://wbtourism.gov.in

Highlights

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



Technology Stack:

Laravel, Flutter,GitLab, DevSecOps
Database : PostgreSQL, Mongo DB

Type of Application : G2G, and G2C

Achievement : Successfully development and implemented

HOD : Ashis Mukherjee, Scientist-F and ASIO
(email : shod5-wb@nic.in)
Other Officer : Krishnendu Das [email : krishnendu.d@nic.in]

HOG : Atanu Das, DDG & SIO
(email : sio-wb@nic.in

Appcoms and Dynamic Web site of West Bengal Information Commission

Highlights **PRISM ID : 2632** Production URL : https://wbic.wb.gov.in

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.

Technology Stack

CakePHP

MySQL

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.

HOD : Ashis Mukherjee, Scientist-F and ASIO
(email : shod5-wb@nic.in)

HOG : Atanu Das, DDG & SIO
email : sio-wb@nic.in

West Bengal Bhabishyat Credit Card Scheme (WBBCCS)

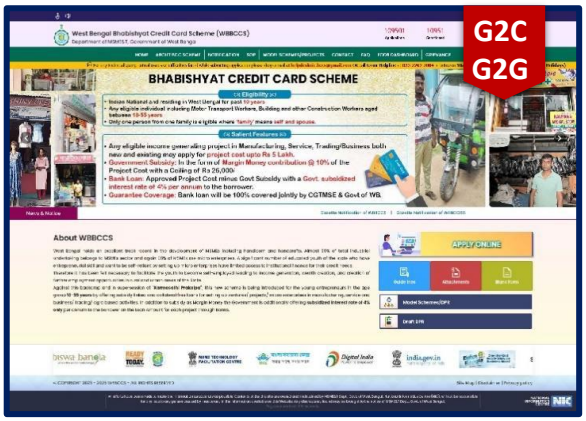
Department of MSME&T, Government of West Bengal

HIGHTLIGHT

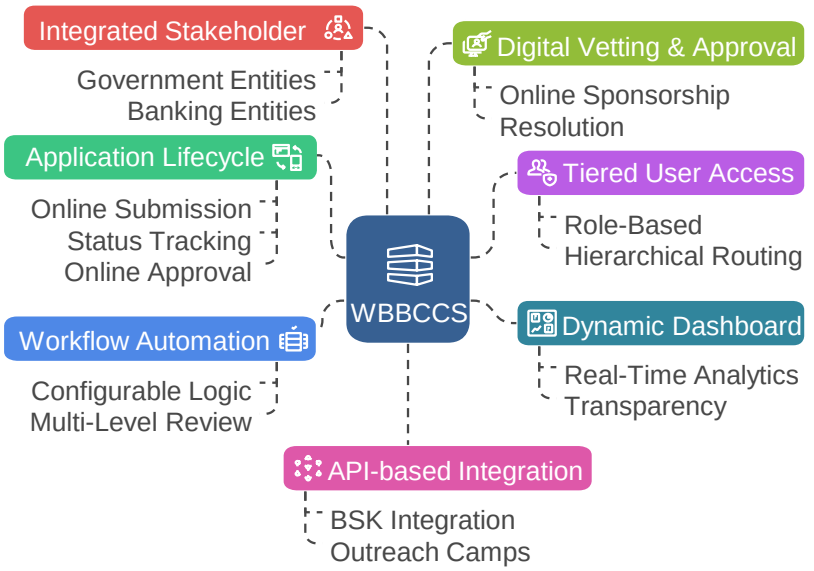
PRISM ID: 20812 | **bccs.wb.gov.in**

"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.



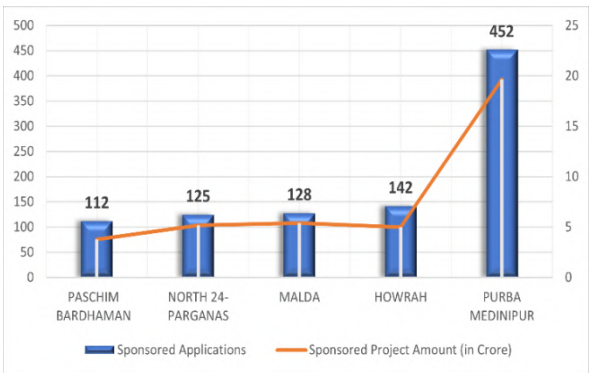
.:: Key Features ::.



.:: Technology Stack ::.

PostgreSQL | LINUX | CodeIgniter | REST API

Top 5 Districts – October 2025
.:: (Sponsored Applications & Project Amount) ::.



.:: Benefits to Citizen ::.

Ready-Made DPRs — Download trade-specific templates, simplifying application preparation.

Smart Application Guide — Stepwise validations and guided uploads ensure error-free form submissions.

Online Submission — Submit your application online or by mobile, no office visits needed.

Live Progress Alerts — SMS/email/push updates at every approval stage - stay in the loop instantly.

230773
TOTAL APPLICATIONS

47883
SANCTIONED APPLICATIONS

₹ 24.98 Cr.
SANCTIONED AMOUNT

₹ 36.33 Cr.
DISBURSED AMOUNT

HOD: *Debdeep Guha, Scientist-F*
Project Coordinator: *Debdeep Guha, Scientist-F*
SIO : *Shri Atanu Das, DDG & Sc-G*

shod8-wb@nic.in
shod8-wb@nic.in
sio-wb@nic.in

HIGHLIGHT

https://silpasathi.wb.gov.in/

"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.

PRISM ID : 18818

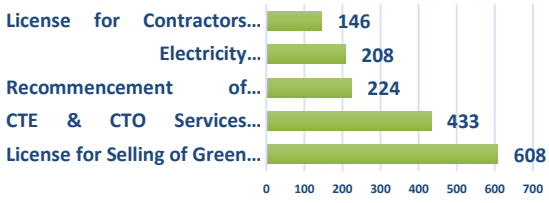
KEY FEATURES

- Composite CAF Generation
- Wizard
- Analytical Dashboard
- Query & Grievance
- Industrial Categorisation

TECHNOLOGY USED

Drupal, REST API, php, PostgreSQL

Top 5 services for October 2025



BENEFITS TO CITIZENS

"Delivery of all services to citizens end to end without requirement of any physical touch point and online wizard to guide citizen for availing applicable licenses or certificate for setting up of industries"

20+
GOVT. ENTITIES

137+
SERVICES

5.06 LAKHS+
REGISTERED USERS

110 CRORE+
TOTAL REVENUE GENERATED

1772317
TOTAL LICENSES DELIVERED

6835
GRIEVANCES ADDRESSED

HOD: *Debdeep Guha, Scientist-F*

Project Coordinator: *Debdeep Guha, Scientist-F*

SIO : *Shri Atanu Das, DDG & Sc-G*

shod8-wb@nic.in
shod8-wb@nic.in
sio-wb@nic.in

Land & Land Reforms & Refugee Relief
& Rehabilitation Department

एनआईसी National Informatics Centre

banglarbhumi.gov.in

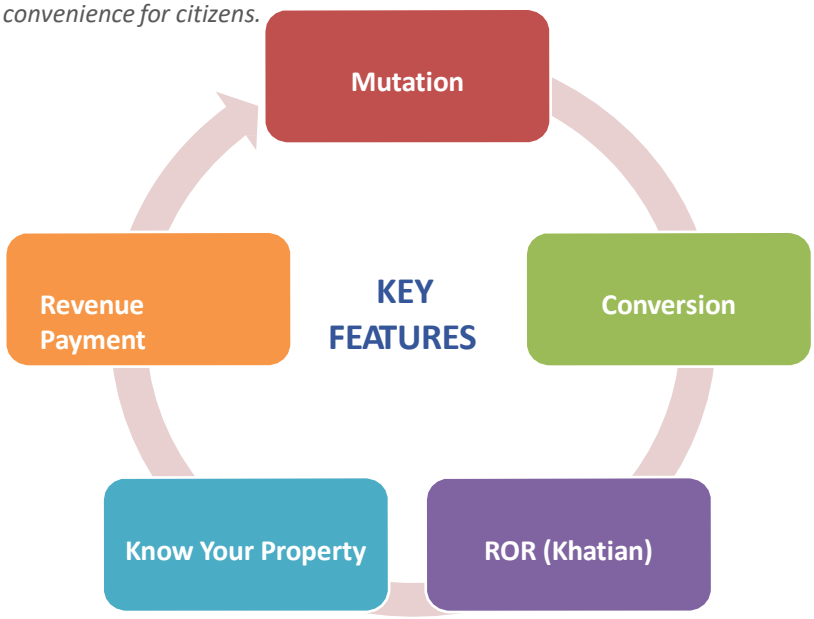
PRISM ID: 3432

"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.

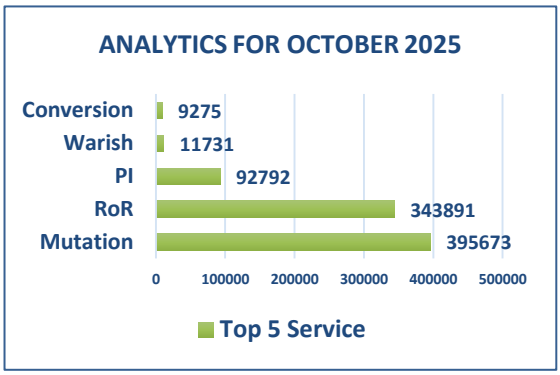
Banglarbhumi (banglarbhumi.gov.in), the official L&LR department portal, serves as a single-window platform for citizens to access services like Mutation, Conversion, ROR (Khatian), Plot Index (PI), and Plot Map requests and downloads. It features an integrated grievance redressal system, real-time status updates, and online payments through GRIPS.

The Jomir Tothya mobile app further enhances accessibility by offering these e-Governance services on mobile devices, ensuring transparency and convenience for citizens.



TECHNOLOGY USED

Java · HIBERNATE · STRUTS · SQL



BENEFITS TO CITIZEN

" Banglarbhumi provides citizens with a faster, paperless, and secure way to access services such as Mutation, Conversion, Revenue Payment, ROR (Khatian), Plot Index (PI) & Plot Map requests & downloads—anytime, anywhere "

OTHER SERVICES

2568
NO DUE CERTIFICATE

2069
PLM

212
GRIEVANCE

HOD: *Debdeep Guha, Scientist-F*
Project Coordinator: *Dr. Siddhartha Sen, Scientist - E*
SIO : *Shri Atanu Das, DDG & Sc-G*

* shod8-wb@nic.in
* hod.sn-wb@nic.in
* sio-wb@nic.in

Directorate of Registration and Stamp Revenue

Finance Department, Government of West Bengal

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

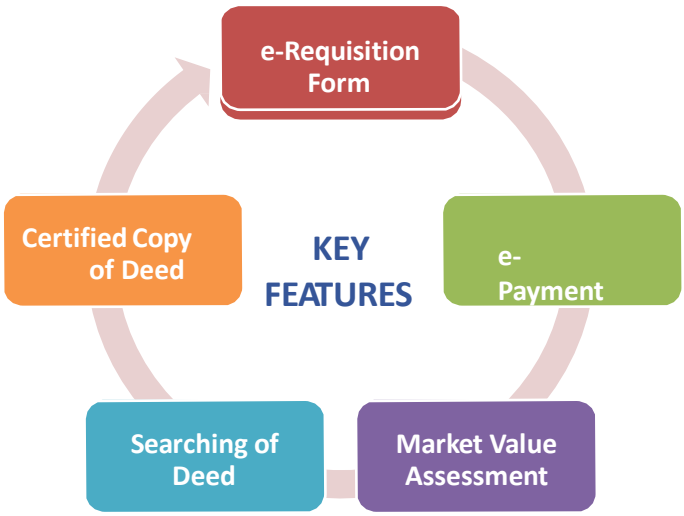
The e-Nathikaran system and the WbRegistration portal are key digital initiatives by the Directorate of Registration and Stamp Revenue (DoRSR), Government of West Bengal, aimed at modernizing the land and property registration process.

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.

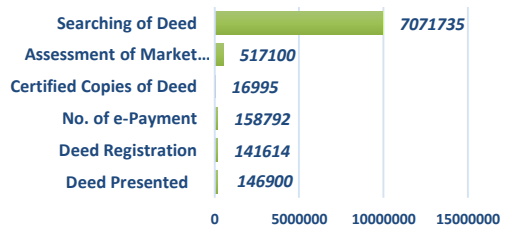
KEY FEATURES



TECHNOLOGY USED

.NET Core, C#, Angular, Redis

REPORTING MONTH OCTOBER 2025



BENEFITS TO CITIZEN

"e-Nathikaran and WbRegistration provide citizens a faster, paperless, and secure way to register property, prepare e-deeds, pay fees, book appointments, and access digitally stored certified deeds anytime"

DEVELOPMENTS FOR OCTOBER 2025

- Nextgen Landing Page made live
- Mobile and Email Verification feature in exisiting eNathikaran
- Citizen Grievance Module - UAT Completed in Nextgen

HOD: Debdeep Guha, Scientist-F
Project Coordinator: Dr. Siddhartha Sen, Scientist - E
SIO : Shri Atanu Das, DDG & Sc-G

* shod8-wb@nic.in
* hod.sn-wb@nic.in
* sio-wb@nic.in

Paschim Banga Go Sampad Bikash Sanstha

Department of Animal Resource Development,
Govt. of West Bengal

Highlights

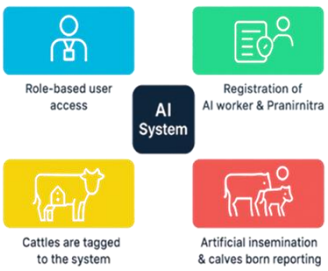
https://pbgsbs.gov.in

PRISM Id: 17943

"Empowering livestock development through digital innovation for a stronger rural Bengal."

A web application software for Department of Animal Resource Development, Govt. of West Bengal for online monitoring the Artificial Insemination Related Activity , Management of Inventory and distribution of Frozen Semen Straw, Management of Insurance Details of cattle, Fund for Insurance and Accounting for Incentive payment to A.I. Worker carried at different tier of the organization like State, District ,Block and Gram Panchayat and developed a

Key features



Statistical

MultiTier application for collecting real time data on Artificial Insemination from village level to state and periodic service delivery to village level A.I. worker and the farmer.

Services are available through multiple modes like web portal, mobile app, smart phone version as well as through SMS services.

SMS and web based Registration of Breed able Cattle & Buffalo by using ear tag having 12 digit unique number.

Technology Used

php

PostgreSQL

Graphical representation (yearly/monthly increment)

Total No. of AI workers & Pranimitra registered to the system
22002

Total No. of Cattle are tagged to the system
7,923,336

Total no. of artificial inseminations done
9,435,973

Total no. of calves born reported
1,660,093

Total no. of SMS are pulled to the system
23,609,052

Total no. of SMS are pushed from the system
28,553,069

Recent Activities

- ☐ Support Ticket module is completed.
- ☐ Template modification is going on.
- ☐ Analytical reports have been prepared for the department.

Summary/Training

- Regular User Training conducted for new/Changed module.
- Improved Process flow explained to user

Different Modules in the System

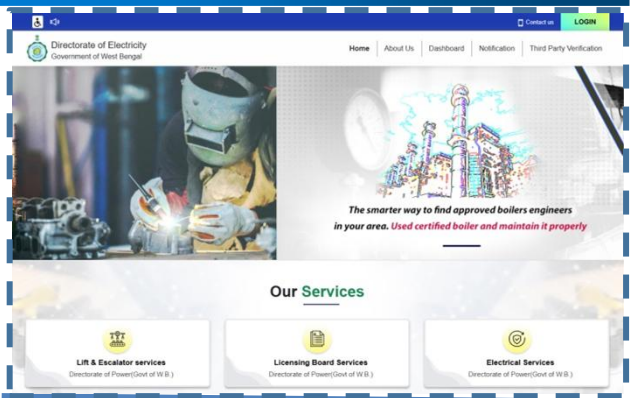
HOD : Uditendu Sarkar, Sc-F
SIO : Shri Atanu Das, DDG& Sc-G

E-mail : uditendu.sarkar@nic.in
E-mail : sio-wb@nic.in

Highlights

https://doepower.wb.gov.in
https://tathyasathi.bangla.gov.in

PRISM Id: 18353

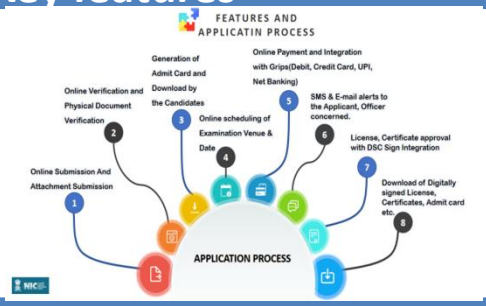


"Powering progress with safety, innovation, and service excellence."

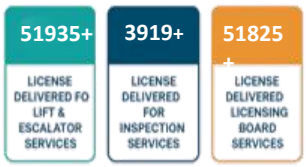
Directorate of Electricity (DOE), WB is a vital component of the Power Department, responsible for overseeing the efficient functioning of electricity services. With a focus on modernization and service excellence, DOE offers a range of services to meet the diverse needs of stakeholders.

Directorate of Electricity (DOE) offers three main types of services available (Lift/Escalator, Licensing Board, Inspection Services), catering to various aspects of electricity management and regulation.

Key features



Statistical



ONLINE APPLICATION AND DOCUMENT SUBMISSION

- Online Verification and Physical Document Verification
- Online Admit card generation and scheduling of Examination Venue & Date
- Online Payment. Integrated with GRIPS (Debit, Credit Card, UPI, Net Banking)
- SMS & E-mail alerts to the Applicant, Officer concerned
- License generation & Certificate approval with DSC Sign Integration

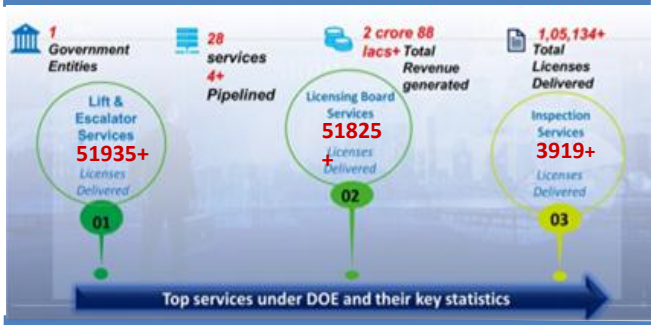
Technology Used

For tathyasathi.bangla.gov.in

For doepower.wb.gov.in

PostgreSQL

Graphical representation (yearly/monthly increment)



Recent Activities

- 1. Modifications done for two services as per the requirement.
- 2. Reports generated as per the requirements.

Summary/Training

- Regular User Training conducted for new/Changed module.
- Improved Process flow explained to user

Different Modules in the System

- Paperless/faceless Service request through EoDB portal.
- Faster, hassle free quality service delivery
- Integrated with EoDB and WBSEDCL

HOD : Uditendu Sarkar, Sc-F
SIO : Shri Atanu Das, DDG& Sc-G

E-mail : uditendu.sarkar@nic.in
E-mail : sio-wb@nic.in

E-Allotment of Rental Housing Estates, Housing Department

Department of Housing, Govt. of West Bengal

https://rhe.wb.gov.in

PRISM Id: 20968

Highlights

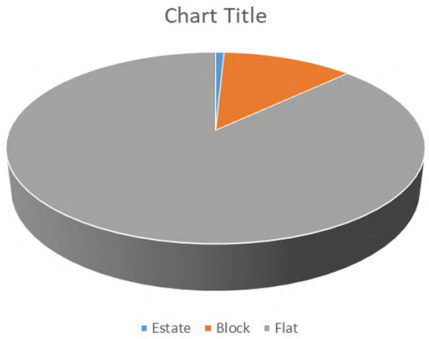
"Transforming housing services with transparency, accountability, and digital innovation."

- The Department of Housing, West Bengal, manages 13,800 RHE flats across 23 districts.
- The e-Allotment portal streamlines the process from application to release of flats.
- Integrated with HRMS for secure authentication and accurate data fetching.
- Features include automated cancellations and QR-enabled license generation.
- Ensures a transparent, efficient, and citizen-friendly housing service experience.

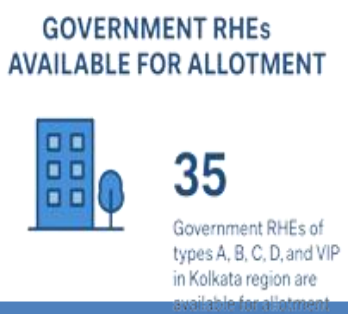
Key features

- End to end online workflow
- HRMS based secure Authentication
- Auto Fetch applicant details from HRMS
- Online Flat Allotment based on Allotment Rules
- Auto Cancellation of Offer and Licenses for allotted flat
- QR code in License
- Special Recommendation for allotment

Graphical representation (yearly/monthly increment)



Statistical



✔ Out of 13,800 RHE flats, there are 35 Government RHEs of types A, B, C, D, and VIP in the Kolkata region are available for allotment.

Recent Activities

- ☐ Special Recommendation of Application.
- ☐ Updation of User Manual
- ☐ Updates and Modifications Based on Departmental Requirements

Summary/Training

- Regular User Training conducted for new/Changed module
- Improved Process Flow explained to Departmental Senior Officers

Different Modules in the System

✔ Login through IFMS portal with HRMS ID

Technology Used

Drupal™ PostgreSQL php

HOD : Uditendu Sarkar, Sc-F
SIO : Shri Atanu Das, DDG& Sc-G

E-mail : uditendu.sarkar@nic.in
E-mail : sio-wb@nic.in

Modified West Bengal Textile Incentive Scheme (WBTIS)

The Department Micro, Small and Medium Enterprises and Textiles, Govt. of West Bengal

Highlights

https://textiles.wb.gov.in

PRISM Id: 20747

"Empowering small enterprises today to build a stronger economy tomorrow."

- The scheme provides fiscal incentives to encourage entrepreneurs.
- Aims at balanced development of Micro, Small & Medium Enterprises across the state.
- Focuses on creating a sustainable ecosystem for MSME growth.
- Promotes optimal resource utilization and employment generation.

Key features

Automated Subsidy Calculator

Realtime Application status

Graphical representation (yearly/monthly increment)

Technology Used

CodeIgniter

MySQL

Recent Activities

- 1. Solving Audit vulnerabilities
- 2. Legacy portal work done
- 3. Additional improvements and bug fixes in the new website.

Summary/Training

- Regular User Training conducted for New/Changed module.
- Improved Process flow explained to user.

Statistical

Total no. of Registered Users: **135**

Total no. of Applications: **158**

Total no. of Approved Application: **23**

Total no. of Approved Amount: **1753.599068** Lakhs

Different Modules in the System

Manages subsidy disbursement for eligible powerloom

Provides targeted financial support to handloom enterprises

API integration with WBDED

HOD : Uditendu Sarkar, Sc-F
SIO : Shri Atanu Das, DDG& Sc-G

E-mail : uditendu.sarkar@nic.in
E-mail : sio-wb@nic.in

Web Application of the Department of Power

The Department of Power, Govt. of West Bengal

Highlights

https://wbpower.gov.in/ **PRISM Id: 21204**

"Empowering the people, energizing the state."

- The Department oversees electricity generation, distribution, and utilization across West Bengal, ensuring power for the public good.
- It formulates and enforces state policies and regulations under the Electricity Act of 2003, coordinating with entities like the Western Bengal Electricity Regulatory Commission and other utilities.
- The Department also plans and monitors power infrastructure projects, supports rural electrification, and promotes energy efficiency and renewable energy sources.

Key features

- Content Storage & Organization
- Content Publishing & Workflow

Statistical

- 1972 – Department of Power established
- 1.8 Crore+ Consumers across West Bengal
- 4 Major Utilities – WBSEDCL, WBSETCL, WBPDCL & CEI
- 100 MW+ renewable energy projects under implementation
- Statewide ERP & IT systems improving efficiency

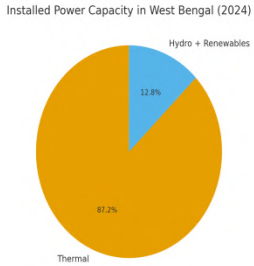
Technology Used

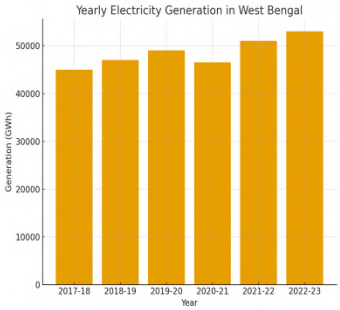
WordPress, PostgreSQL, PHP

Awards and achievements

- IPPAI Award, 2020
- IPPAI Award, 2019

Graphical representation (yearly/monthly increment)





Recent Activities

- ☐ The Audit of the current site is in progress.
- ☐ Project revamping is currently in progress.

Summary/Training

The portal acts as a transparent, user-friendly digital interface, reflecting the Government of West Bengal's commitment to efficient governance of in the power sector.

Different Modules in the System

HOD : Uditendu Sarkar, Sc-F
SIO : Shri Atanu Das, DDG& Sc-G

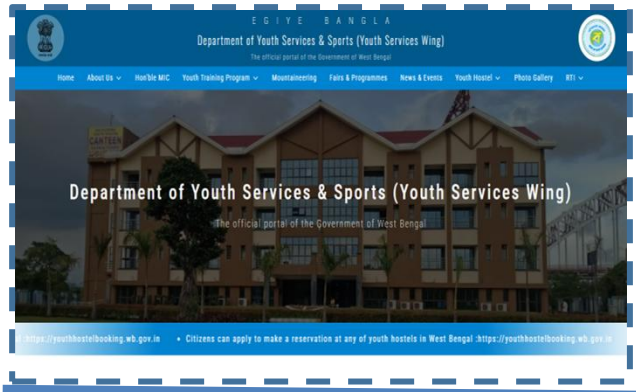
E-mail : uditendu.sarkar@nic.in
E-mail : sio-wb@nic.in

Highlights

https://sportsandyouth.wb.gov.in **PRISM Id: 17887**

"Igniting youthful energy and sporting spirit across Bengal."

- The Department promotes youth development through sports infrastructure, training academies, cultural activities, and talent scouting across the state.
- Its vision includes nurturing employability, scientific thinking, and character building in youth via moral development, sports, and cultural platforms.
- The Department operates under the Sports & Youth Affairs Ministry led by Aroop Biswas, who has served since 18 November 2015



Key features

- Update of senior officials and board members and key personnel
- Update of contents on website
- Add new notices, tenders, other documents, and removal of old documents on website
- Update of stadium details and latest events
- Add / Remove event images

Statistical

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

Technology Used

PostgreSQL Laravel

Recent Activities

- 1. Working on audit 3rd cycle.
- 2. Improved authentication implemented
- 3.Headers refined as per requirement

Summary/Training

1.A comprehensive CMS to manage contents of both West Bengal Sports and Services wings. User can manage images to display, events, key members of the department and display information in a chronological order etc.

Different Modules in the System

- Add/Edit/Remove department key personnel
- Add/Edit/Remove events and images
- Add/Edit/Remove sports personnel
- Add/Edit/Remove stadium details
- Publish/Remove notices, tenders, news etc.

HOD : Uditendu Sarkar, Sc-F
SIO : Shri Atanu Das, DDG& Sc-G

E-mail : uditendu.sarkar@nic.in
E-mail : sio-wb@nic.in

Highlights

https://tantibandhu.wb.gov.in PRISM Id: 21211

"Weaving tradition with opportunity, empowering handloom for a sustainable future."

- The Marketing Incentive Scheme strengthens West Bengal's handloom sector with sales support and competitiveness.
- Funded jointly by GoI and GoWB (50:50), it provides 10% incentive on average turnover for 3 years.
- It helps cooperatives modernize infrastructure, attract buyers, and ensure sustainable growth.

Key features

- Beneficiary Registration & Log-in
- Multi-Role User Management
- Claim Submission
- Back for correction & Registration details Updating
- Workflow and Verification
- Recommendation
- Dashboard & Monitoring
- Certificate Generation
- Reports & Analytics

Recent Activities

1. **Audit Compliance**
   - ➢ Audit certificate received.
3. **Completed Changes**
   - As the department decided to go live without SMS integration, a **new registration process** has been implemented — registration now completes directly after data validation, **without OTP verification**.
   - **OTP-based login functionality disabled.**
   - Applied **latest design specifications** shared by the department.
   - Made the **entire website fully responsive** for all screen sizes (desktop, tablet, mobile).
   - Updated **font styles** for improved readability and visual consistency.
   - **Redesigned Login and Registration pages** with a modern, user-friendly layout.

Summary/Training

- Regular User Training conducted for new/Changed module.
- Improved Process flow explained to user

Technology Used

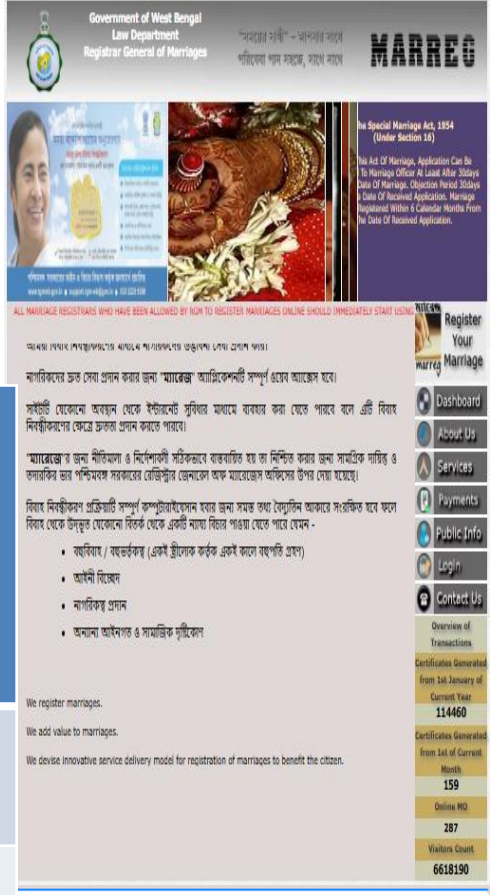
PostgreSQL

Laravel

Different Modules in the System

HOD : Uditendu Sarkar, Sc-F
SIO : Shri Atanu Das, DDG& Sc-G
E-mail : uditendu.sarkar@nic.in
E-mail : sio-wb@nic.in

MARRIAGE REGISTRATION IN WEST BENGAL



YEAR WISE CERTIFICATES GENERATED

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 **674779** nos. of marriages under Special Marriage Act 1954 and **430512** 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	Certificate Generated
2019	89932
2020	149754
2021	189217
2022	183961
2023	168948
2024	171447
2025(till 31-10-2025)	141055

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 october 2025.

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 GrievancR edressal

KEY SERVICES

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

IMPACT

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

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

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
0	28	0	0	0	0

West Bengal Procurement Portal

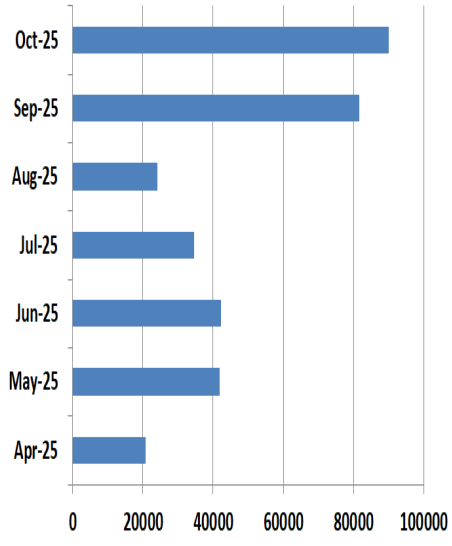
wbtenders.gov.in

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.

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



During october2025

#Value -₹.4.36 Lakh Crores	#Tenders 90,010

Cumulative Since Inception

#Value -₹7.23 Lakhs Crores	#Tenders 21.02 Lakh

Cumulative Since Inception

#Bidders/Contractors 83437	#Departmental Users 19316

Active registered Organizations: 8968

TRAINING SESSIONS IN OCTOBER 2025

NIL

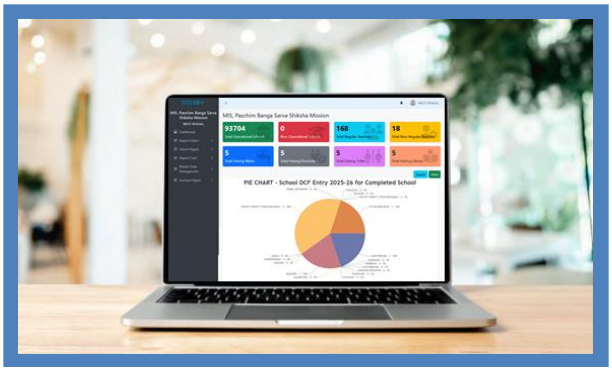
HOD: Amit Mazumder (hod.comtax-wb@nic.in) SIO: Shri Atanu Das (sio-wb@nic.in)

PROJECT NAME	PRISM ID	PROJECT URL
UDISE	17651	https://schoolinfo.banglarshiksha.gov.in/

HIGHLIGHTS

The **Unified District Information System for Education Plus** (UDISE+) is a flagship **Management Information System** (MIS) implemented by the School Education Department, Government of West Bengal. Fully operational online since the academic year 2019–20, UDISE+ serves as a comprehensive digital platform for the real-time collection and management of data from all recognized schools across the state, covering classes from Pre-Primary to Class XII.

The system plays a pivotal role in educational planning, resource allocation, program implementation, and performance monitoring. By maintaining a robust and reliable school-level database, UDISE+ empowers the government to undertake evidence-based decision-making and monitor key performance indicators (KPIs) effectively.



- ✔ **The DCF Data Entry for the academic year 2025–26 is currently ongoing.**
- ✔ **The section-wise Excel download feature is currently under development.**
- ✔ **An API for new school insertion into the Bangla Sikkha portal is being developed.**

Total School - 93638

Total Teaching Staff - 581191

Total Non Teaching Staff - 33151

Having Toilet - 92843

Having Electricity - 90963

Having Ramp - 64385

Having Drinking Water - 93362

CodeIgniter php PostgreSQL Bootstrap jQuery

PROJECT NAME	PRISM ID	PROJECT URL
BANGLAR SHIKSHA	18406	https://banglarshiksha.wb.gov.in

HIGHLIGHTS

The platform is designed to facilitate efficient data management and academic monitoring across all levels of school education, ranging from Pre-Primary to Class XII.

The Banglar Shiksha portal ensures real-time, accurate data flow between schools and education authorities.

Head of Institution (HOI):

Responsible for student data entry and academic record maintenance.Manages class-wise enrolment for all grades, from Pre-Primary to Class XII.Oversees data submission for various types of schools: Government schools, Government-aided schools, Private schools.

Sub-Inspector of Schools (SI):

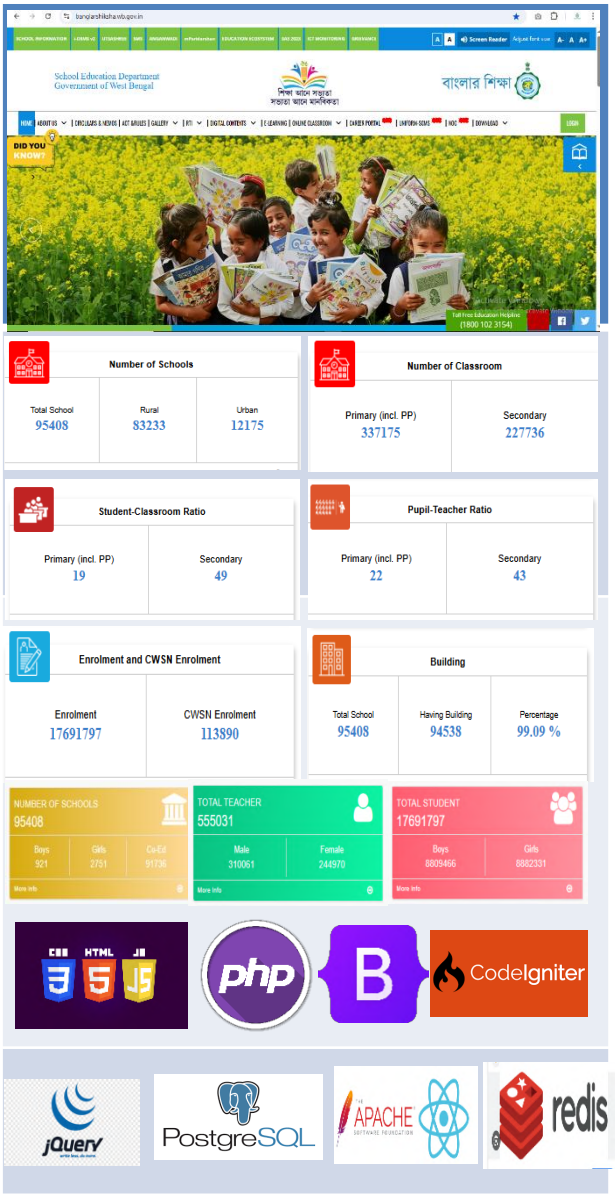
Supervises academic and administrative activities at the cluster level. Monitors data submitted by schools within their jurisdiction. Ensures timely updates and data validation in the system.

District Inspector of Schools (DI):

Coordinates with Sub-Inspectors and HOIs at the district level. Reviews and verifies district-wide school data for planning and reporting.

Directorate of School Education (DSE):

Analyses data trends for decision-making at the state level. Integrates feedback and monitoring mechanisms into the system.



PROJECT NAME	PRISM ID	PROJECT URL
Integrated Online Salary Management System	**18407**	https://banglarshiksha.wb.gov.in/iosms

HIGHLIGHTS

* **iOSMS Portal** is an online platform of the **School Education Department, Government of West Bengal**.
* Designed for **efficient and transparent management** of salary and related services for school employees.
* **Enables:**
  * **Salary preparation**
  * **Increment approval**
  * **Arrear management**
  * **Bonus management**
  * **Bill submission to IFMS**
  * **Employee data management** in a digital, paperless manner
* Assists **DPSCs, DDOs, circles, schools,** and **higher authorities** in:

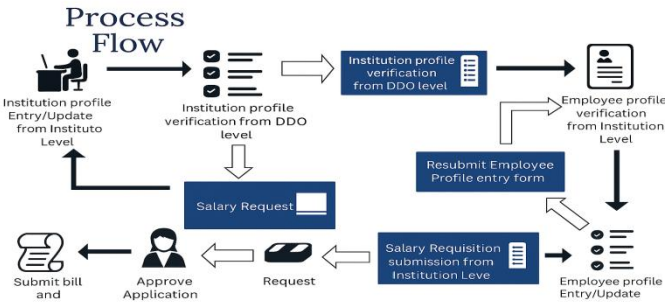
  * Streamlining **payroll processes**
  * Ensuring **timely disbursement** of salaries
  * Maintaining **accurate employee records**

PROJECT PICTURE

STATISTICS

Employees of Primary Schools
No. of School: **49,382**
Monthly salary disbursement **: Rs 885 Cr (net salary)**
Employees of Secondary Schools
No. of school: **14,249**
Monthly salary disbursement **: Rs 1297 Cr (net salary)**

PROCESS FLOW



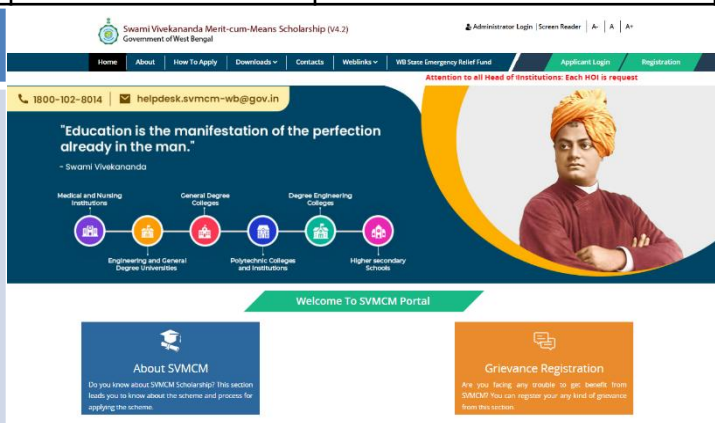
TECHNICAL STACK

JS, PostgreSQL, redis, php, jQuery, APACHE HTTP SERVER PROJECT

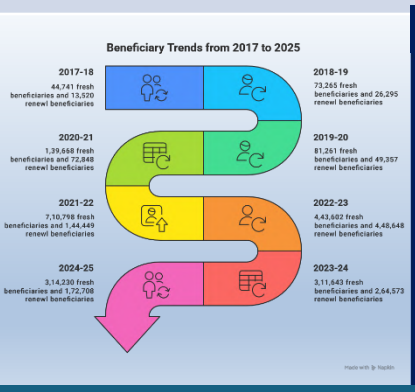
PROJECT NAME	PRISM ID	PROJECT URL
SWAMI VIVEKANANDA MERIT-CUM-MEANS SCHOLARSHIP	17937	https://svmcm.wb.gov.in/

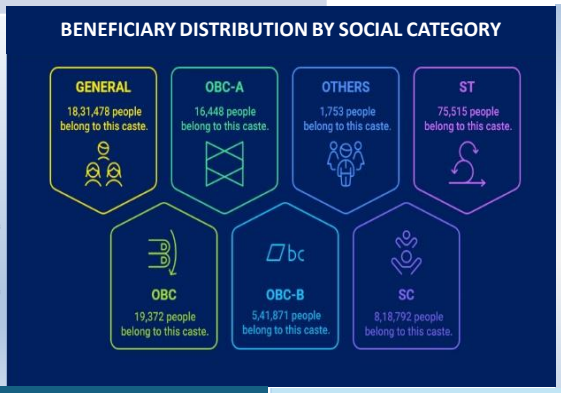
HIGHLIGHTS

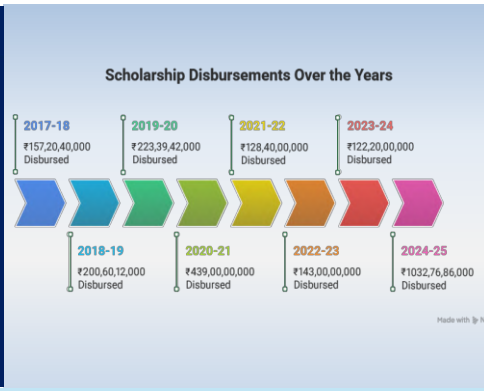
Swami Vivekananda Merit-cum-Means scholarship Scheme is introduced to provide scholarship to meritorious but poor students studying class XI/XII, UG, PG, M.Phil. or Ph.D. course in General Degree, Medical, Technical etc. category in the state of West Bengal. More than 31L students are benefitted since the inception of this web portal and more than Rs.5400 Cr are disbursed though 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**

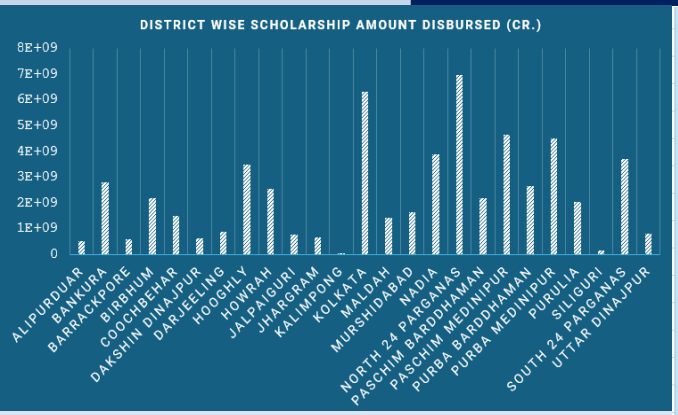


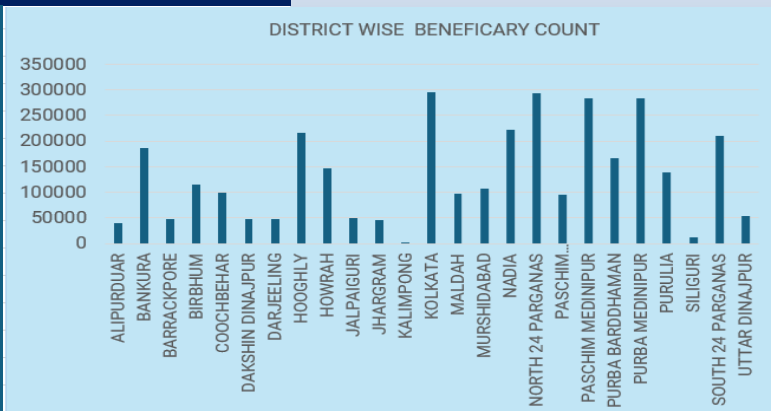
TECHNOLOGIES











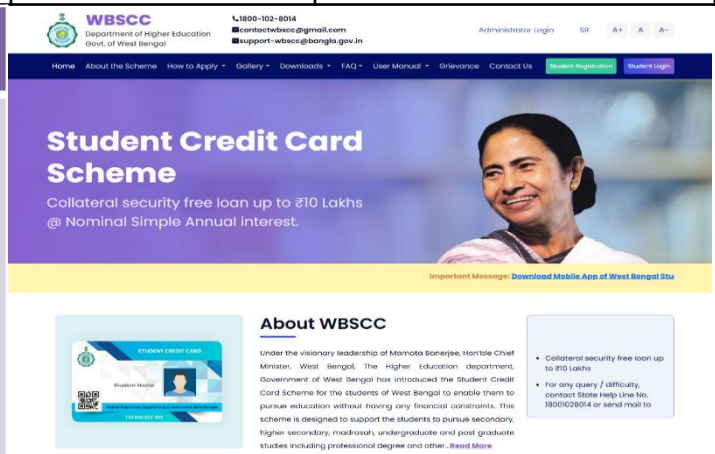
HOG: Ratikanta Chail, Scientist-F ✆: rk.chail@nic.in
Project Coordinator: Dibyendu Aich, Scientist-D ✆: dibyendu.aich@nic.in
SIO: Shri Atanu Das, Scientist G ✆: sio-wb@nic.in

https://wb.nic.in
National Informatics Centre
West Bengal State Centre

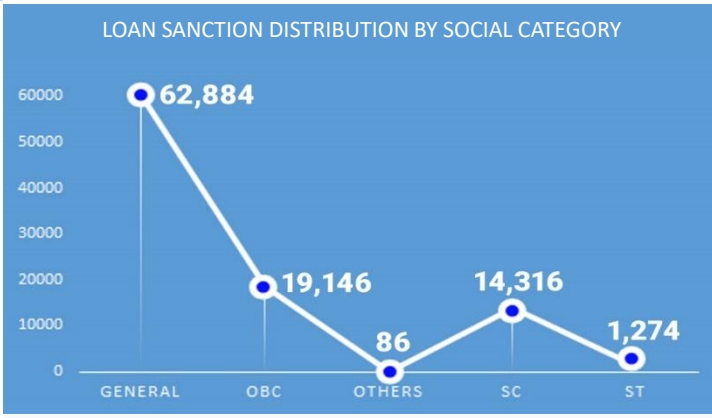
PROJECT NAME	PRISM ID	PROJECT URL
WEST BENGAL STUDENT CREDIT CARD	18764	https://wbscc.wb.gov.in/

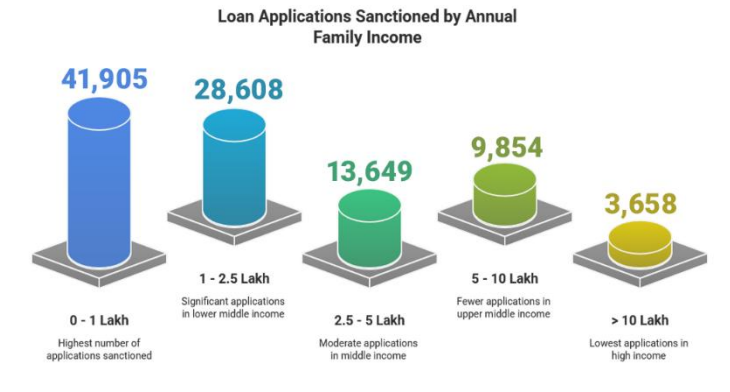
HIGHLIGHTS

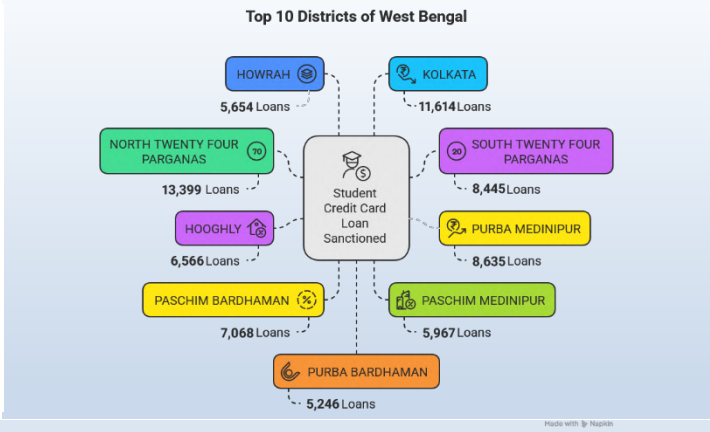
Launched on June 30, 2021, the West Bengal Student Credit Card (WBSCC) Scheme provides collateral-free educational loans of up to ₹10 lakh at a subsidized 4% simple interest for students up to the age of 40 for studies in India or abroad. Digitally Delivered by NIC, this end-to-end paperless, automated, 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].



TECHNOLOGIES





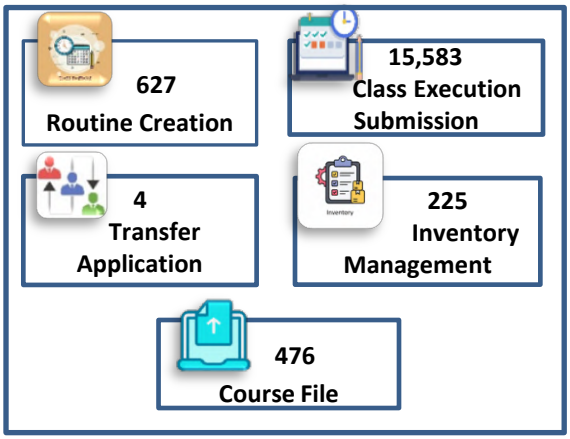


PROJECT NAME	PRISM ID	PROJECT URL
eGovernance Portal of Govt. Polytechnics	**17832**	**https://polytechnic.wbtetsd.gov.in**

HIGHLIGHTS

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.
- ❖ Staff and Faculty Management: Enable digital profiles, workload distribution and performance tracking for teaching staffs.
- ❖ Real-time Analytics and Reports: Dashboards for monitoring institutional performance, student outcomes, and resource utilization.



PROJECT NAME	PRISM ID	PROJECT URL
COALRR **(Consolidation Of Accountable Land Resettlement & Rehabilitation)**	**2639**	https://eclcoalrr.in/

HIGHLIGHTS

Honorable Chairman Coal India inaugurated the portal on 18/09/2025 in the presence of apex officials of CIL and all its subsidiaries and Officials of NIC.

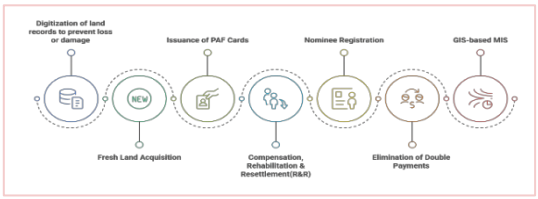
The portal aims to simplify the land acquisition process and establish a transparent and accountable digital platform.

It helps to eliminate the risk of data loss and prevent multiple payments of compensation for the same land.

It helps to visualize the information using interactive GIS maps.

Compensation, Employment modules helps the citizens to monitor their claims.

KEY FEATURES

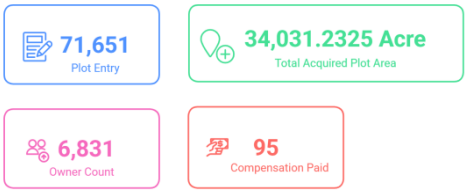


TECHNICAL STACK

Laravel, jQuery, PostgreSQL, PostGIS, MongoDB, QGIS, Leaflet.js, GeoServer, Git, Redis

Acquisition Mode-wise Area Acquired

STATISTICS



PROJECT NAME	PRISM ID	PROJECT URL
OSCAR	2161	https://castcertificatewb.gov.in

HIGHLIGHTS

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.

The main aim of the Department is to improve the quality of life of these socially and economically backward classes and enhancement of capability of the people belonging to these communities , so that they can be very much part & parcel of the mainstream of the Society.

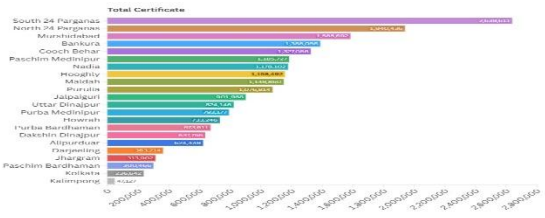
KEY FEATURES

1. Digitally sign Caste and EWS certificate
2. Online Digitization of Old Manual Certificate
3. QR Code Based Certificate Verification
4. Online Backend Processing of Applications
5. Online Application for Citizen Services.
6. Certificates are Available at Digilocker
7. 7 API Publish through NAPIX

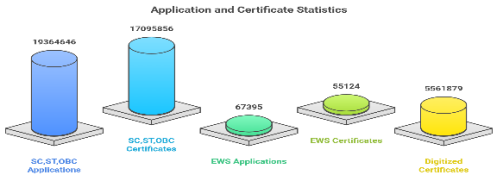
TECHNICAL STACK

1. React 2. PHP 3. Laravel 4. Node JS
5. PostgreSQL 6. Java 7. Apache

GRAPH



STATISTICS



PROJECT NAME	PRISM ID	PROJECT URL
eCHALLAN		https://echallan.parivahan.gov.in/

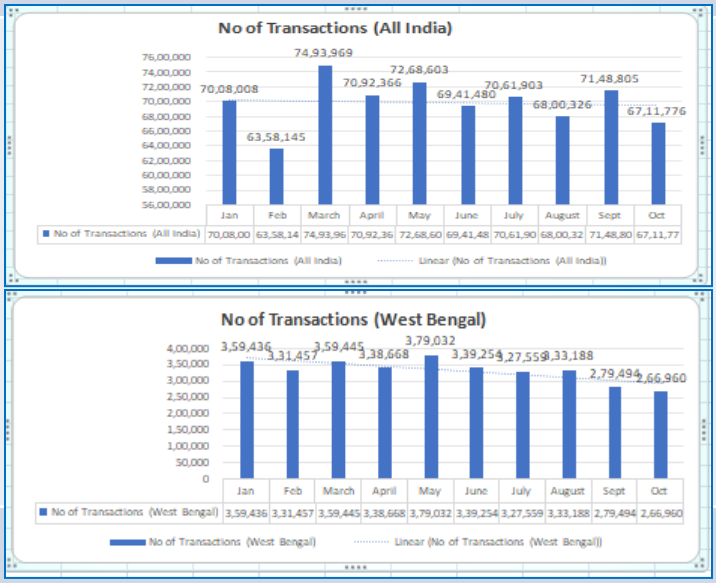
HIGHLIGHTS

- 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.

TECHNICAL 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

GRAPH-



STATISTICS

No of Challan: Reporting Month- All India total challan- 67,11,776. Cumulative- 34,10,06,543
No of Challan West Bengal- Reporting Month- 2,66,960 Cumulative-93,88,213

PROJECT NAME	PRISM ID	PROJECT URL
iRAD	`	https://irad.parivahan.gov.in/

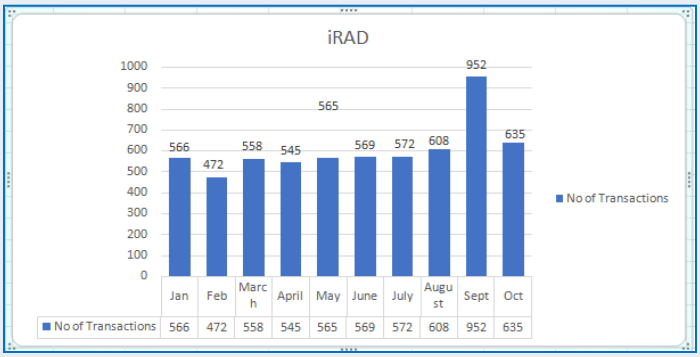
HIGHLIGHTS

- 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.

TECHNICAL STACK

Centrally Developed

GRAPH-



STATISTICS

iRAD-Number of Accidents recorded Reporting Month- 635.
Cumulative-16,014

PROJECT NAME	PRISM ID	PROJECT URL
PUCC		https://puc.parivahan.gov.in/puc/

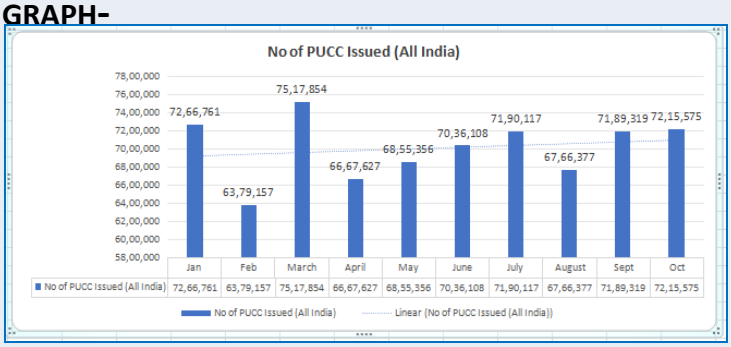
HIGHLIGHTS

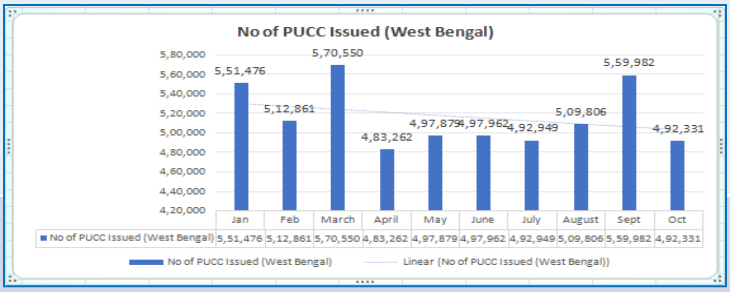
- Pollution Under Control Certificate (PUCC) is a centralized application designed to connect all Vehicle Pollution Checking Centres which issues Pollution Under Control Certificates to vehicles as per Motor Vehicle Act. It facilitates mandatory linking of PUCC status of vehicles with the Centralized 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, PUCC 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 PUCC 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.

TECHNICAL STACK

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

GRAPH-





STATISTICS

Number of PUCC issued All India. Reporting Month- 72,15,575. Cumulative- 39,04,07,464
Number of PUCC issued West Bengal- Reporting Month- 4,92,331, Cumulative-3,09,66,424

PROJECT NAME	PRISM ID	PROJECT URL
SARATHI		https://sarathi.parivahan.gov.in/sarathiservice/stateSelectBean.do

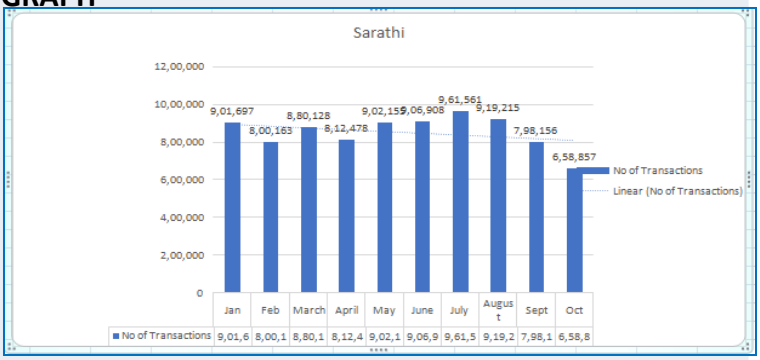
HIGHLIGHTS

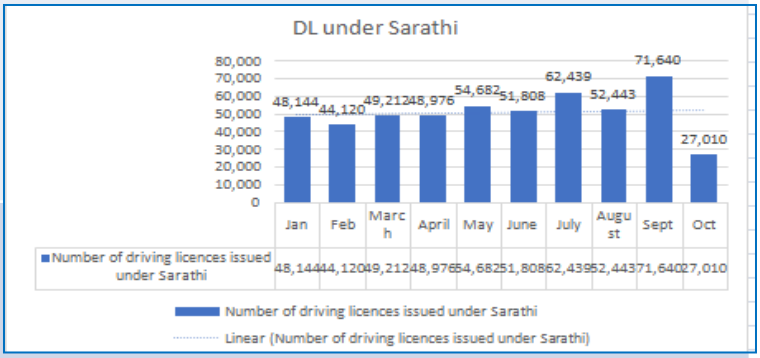
- SARATHI 4.0 is currently providing services throughout 56 RTO/ARTO of 24 districts in West Bengal, for issue of Learner's Licence, issue of Driving License, issue of Conductor License and issue of Driving School Licence.All the services related withLearner'sLicence, Driving Licence, Conductor Licence 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.
- SARATHI-4 is providing BRAP(EoDB) Statistics in order to track end-to-end service wise delivery statistics in transparent way.
- Citizen may submit application and may deposit prescribed fees through online fees payment facility without visiting RTO/ARTO.

TECHNICAL STACK

Centrally Developed

GRAPH-





STATISTICS

Number of Transactions under Sarathi- Reporting Month- 6,58,857, Cumulative- 3,75,11,134

Number of driving licences issued under Sarathi- Reporting Month- 27,010, Cumulative-99,33,937

PROJECT NAME	PRISM ID	PROJECT URL
VAHAN		https://vahan.parivahan.gov.in/vahan/vahan/ui/login/login.xhtml

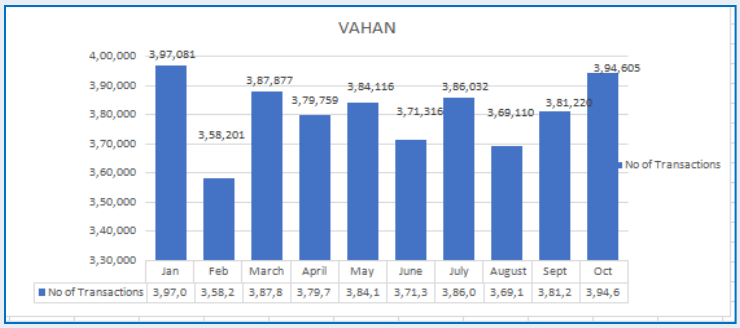
HIGHLIGHTS

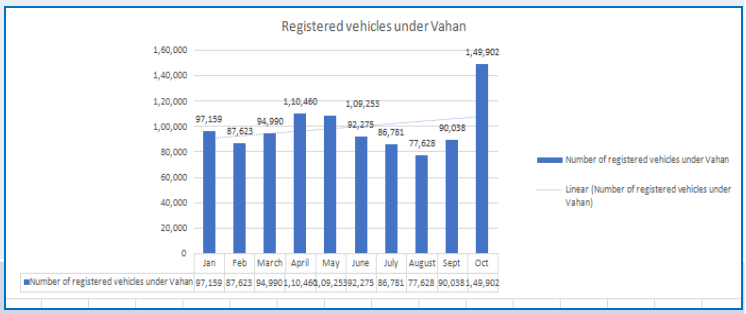
- VAHAN is a highly flexible and comprehensive system that takes care of all the burdensome activities of Vehicle Registration, leaving the Transport Department to deal with more important business issues. The software enables the processes at RTO/ARTO involving Vehicle Registration, Fitness, Taxes, 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.
- VAHAN offers various e-services to citizens, including applying for fancy number plates and checking vehicle registration status.
- The citizen of West Bengal can print their Vehicle Registration Certificate and No Objection Certificate without going to Arto/Rto In Inter State Permit Buses can move from West Bengal to Other State for five years.
- In Special Permit Passenger Vehicle can ply for certain no of days within source and destination places.
- Dealer can apply for Trade Certificate without going to Arto/Rto.

TECHNICAL STACK

Centrally Developed

GRAPH-





STATISTICS

No of Transactions under Vahan- Reporting Month- 3,94,605. Cumulative- 12,69,79,983

Number of registered vehicles under Vahan- Reporting Month- 1,49,902, Cumulative- 1,77,40,858

PROJECT NAME	PRISM ID	PROJECT URL
e-Detection		https://vahan.parivahan.gov.in/eDetection/#/login

HIGHLIGHTS

- 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:

i)Vehicles passing through toll plazas

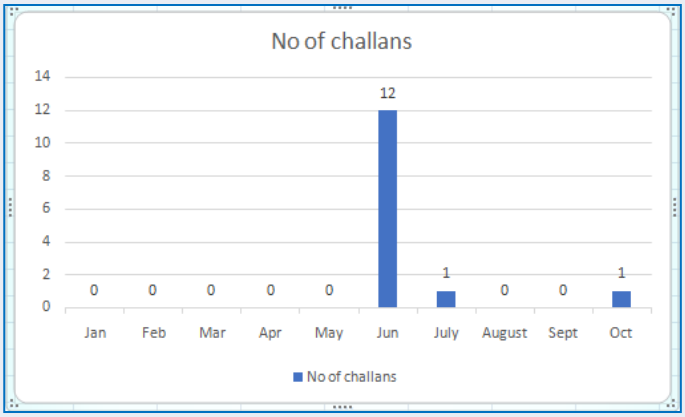
ii) Passing vehicles data of toll plazas fetched through e-detection portal

iii) Motor vehicle inspector inward challan for all default vehicles through e-detection

iv) Vehicle owners can pay challan amount through echallan portal.

TECHNICAL STACK
Centrally Developed

GRAPH-



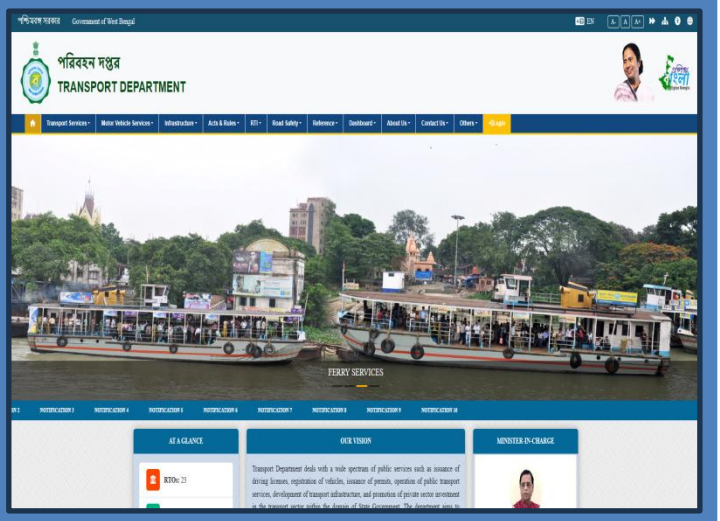
STATISTICS

e-Detection-Number of challans recorded
Reporting Month- 1.
Cumulative-14

PROJECT NAME	PRISM ID	PROJECT URL
CMS Portal(CONTENT MANAGEMENT SYSTEM & REPORTING)	3586	At present in a development phase

HIGHLIGHTS

- Created and modified the landing page for the system.
- Designed and modified the Landing Page to enhance user interface and accessibility.
- Developed a Two-Factor Authentication (2FA) based secure login system.
- Created and implemented the Gallery Module with efficient image management features.
- Integrated department-provided content into the system across all menus and submenus.
- Revised and restructured the menu hierarchy as per departmental directives.
- Added online and Aadhaar-based services for improved citizen engagement.
- Ensured the Landing Page adhered to GIGW (Guidelines for Indian Government Websites) standards.
- Developed the Infrastructure Proposal Development Module to streamline proposal submission and approval processes.
- Demonstration to The Transport Department



TECHNICAL STACK

Laravel PostgreSQL, Bootstrap jQuery, Highcharts JS

TECHNOLOGY USED

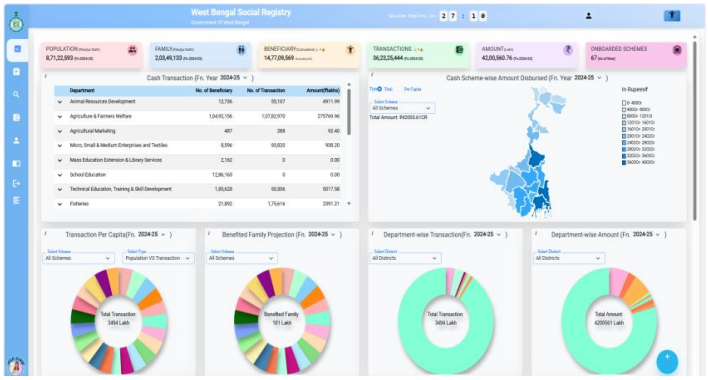
West Bengal Social Registry

(Finance Department, Government of West Bengal)

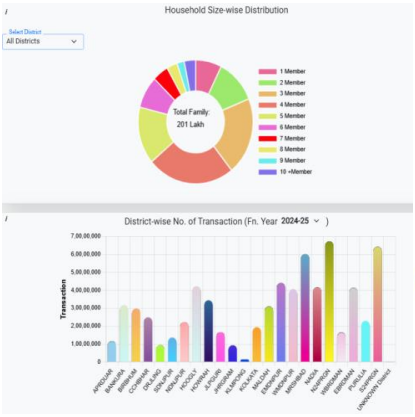
Highlights: (Prism Id:20967)

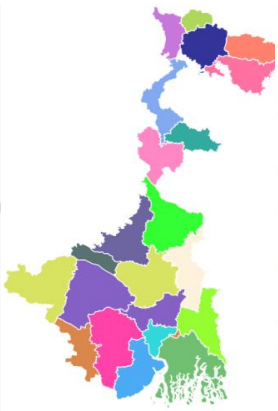
URL : https://socialregistry.wb.gov.in

The West Bengal Social Registry System (WBSRS) is a centralized platform developed to streamline welfare scheme delivery across the state. Administered by the Finance Department, it currently hosts **67** of **135** schemes—including **53** state and **14** central schemes. Data integration is enabled via Kafka (real-time streaming), APIs (system integration), and Excel uploads (for manually maintained schemes), ensuring flexible and comprehensive coverage.
Category of application: G2G, G2C, G2E.



GIS-powered Statistical Profile





Key Features:

01 Unified brochure of 135 schemes

02 Chart-based monitoring with regular updates

03 GIS-enabled LGD dashboards

04 Khadya Sathi as single source of truth

05 AI Chatbot for scheme info

06 Secure access with MFA & role-based control

07 Data exchange via Kafka, APIs & Excel

Recent Activities:

- Security audit compliance achieved; "Safe to Host" certification obtained
- Implemented upload/download menu for departmental data requests.
- Data storage aligned with security compliance standards.
- Enabled Kafka-based data transfer for Rupashree Prakalpa
- Activated One User–One Device login policy on SRS Portal
- Finalized AVS non-repudiation mechanism; secured file upload and certificate dependencies

Usage Statistics:

Available Data	September 2025	October 2025	FY: 2025-26
Schemes On-Boarded	1	0	9
Beneficiary	2.63 Lakhs	1.97 Lakhs	14.77 Cr
Transaction	10.37 Cr	2.00 Cr	17.36 Cr

Technology Stack:

Spring Boo · ANGULAR · Visual Studio Cod · node JS · kafka · Apache Tomcat · redis · PostgreSQL · elastic · Elasticsearch Logstash Kibana · Grafana · APISIX

HOD: Shri Sarajit Dey, Scientist-F
Project Coordinator: Shri Arnab Pal, Scientist-D
SIO: Shri Atanu Das, DDG & Scientist-G

✉: shod7-wb@nic.gov.in
✉: arnab.pal@nic.gov.in
✉: sio-wb@nic.gov.in

Port Operation Management System

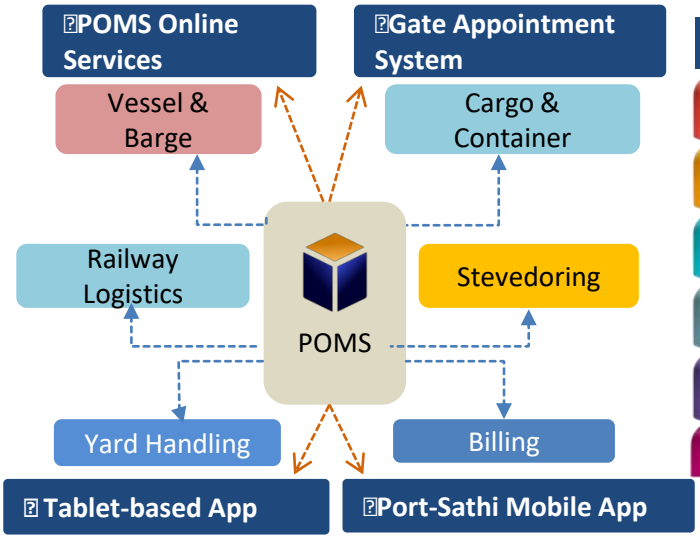
(Kolkata Dock System, Shyama Prasad Mookerjee Port)

Highlights: *(Prism Id:20880)*

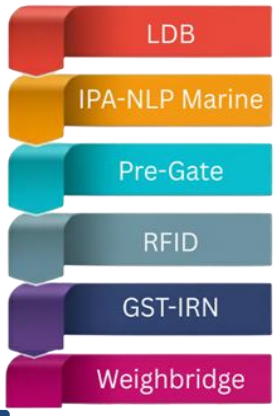
: https://kdseodb.smportkolkata.in

Port Operations Management System (POMS) was developed in 2007 and implemented in 2010 for Syama Prasad Mookerjee Port, Kolkata (Kolkata Dock System), to streamline and support various port operations.
Despite challenges like the COVID-19 pandemic, POMS has operated continuously and evolved through regular upgrades to meet modern port business needs.

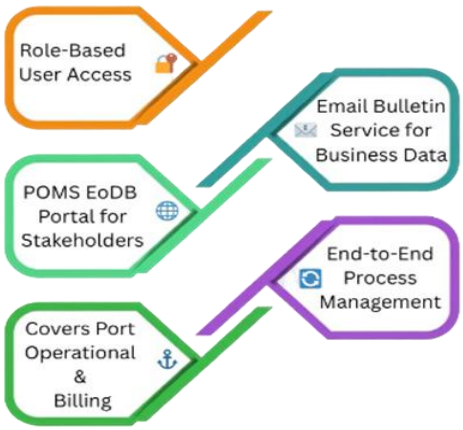
Key Functionalities:



Integrations



Key Features:



Recent Activities:

- **Charges Waiver (50% waiver on SSR charges):** for export cut-off, readiness pending for ICD road-borne containers.
- **Charges Waiver (50% waiver on haulage, terminal, and handling charges):** for rail-based container and bulk cargo movements (ICDs–KDS and EJC/GCD yard)
- **API Integration progressing:** 4 inbound and 8 outbound messages ready for APSEZ–SMPK testing. 7 inbound and 86 outbound messages ready for CPL–POMS testing
- **Handling charges:** Consolidated handling charges introduced for fly ash movement via KDP-1, Budge Budge
- **Enhancements:** GIS-based plot management tasks underway.

Usage Statistics:

Key Entity	September' 2025	October' 2025	FY-2025-26
Vessel	72	86	591
Rake	315	275	2053
Vehicle	27183	27122	202767
Container	48857	52150	216295
Consignment	13462	13722	106825
Sagar Setu Messages	105678	115652	872041
Invoice Count	15031	15765	111130

Technology Stack:

Java JSF IBM Rational software PRIMEFACES i-net Clear Reports Apache Tomcat ORACLE Grafana APISIX

HOD: Shri Sarajit Dey, Scientist-F
Project Coordinator: Shri Aniruddha Pal, Scientist-F
SIO: Shri Atanu Das, DDG & Scientist-G

: shod7-wb@nic.gov.in
: shod5-wb@nic.gov.in
: sio-wb@nic.gov.in

Enterprise Business Application System

(Haldia Dock Complex, Shyama Prasad Mookerjee Port)

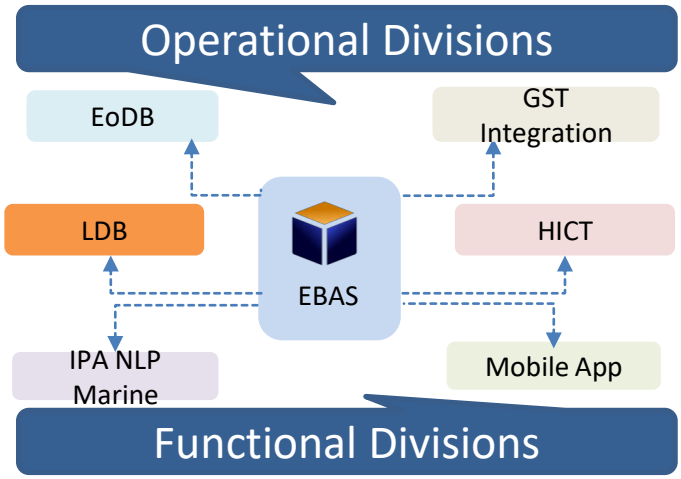
Highlights: (Prism Id:20883)

: https://kdseodb.smportkolkata.in

In 2000, NIC/NICSI initiated a turnkey project at Haldia Port, resulting in the development of the Enterprise Business Application Software (EBAS), covering five operational and five functional divisions. Implemented in July 2003, EBAS has been continuously maintained and upgraded to meet evolving business needs.

Key Features:

Integrations:



Usage Statistics:

Operation Statistics	September 2025	October 2025	Total FY-2025-26
Vessel	173	170	1200
Rake	910	806	5966
Vehicle	5139	5071	32793
Container	20339	18002	114597
Consignment	4793	4063	27308
Tax Invoice	155853	143498	1070219
Sagar Setu Messages	12528	99118	206596

Recent Activities:

- **Gratuity Calculation:** Developed new gratuity logic in the pension module, covering application processing and reporting.
- **Cargo Bill Rebate:** Implemented revised logic for rebate calculation on cargo bills for railway and finance systems.
- **API Integration:** Completed onboarding for 31 inbound messages and tested outbound API with NLP-M/SagarSetu portal.
- **Advance Billing Interface:** Designed new interface for long-term advance bills with updated land and building rates.
- **Morning Position Report:** Enhanced report logic as per trade circular for ship calling/sailing priority at HDC.
- **Electricity Module:** Initiated implementation of electricity module with updated technology
- **Mobile App & Dashboard:** Developing new mobile app version and static dashboard for message exchange with NLP-M/SagarSetu portal.

Technology Stack:

Java JSF IBM Rational software PRIMEFACES i-net Clear Reports Apache Tomcat PostgreSQL Grafana APISIX

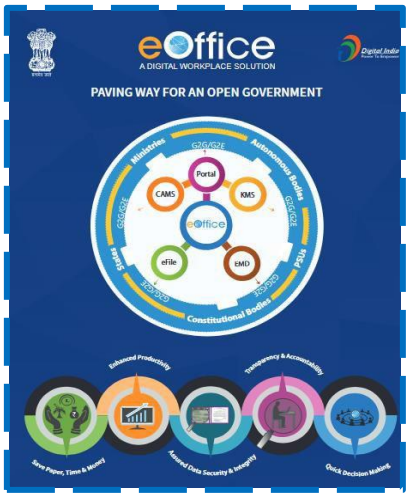
HOD: Shri Sarajit Dey, Scientist-F
Project Coordinator: Shri Aniruddha Pal, Scientist-F
SIO: Shri Atanu Das, DDG & Scientist-G

✉: shod7-wb@nic.gov.in
✉: shod5-wb@nic.gov.in
✉: sio-wb@nic.gov.in

Impact and

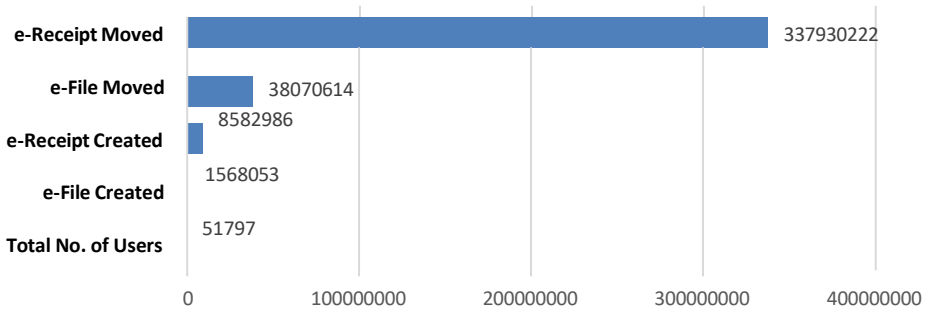
https://eoffice.wb.gov.in

- ✓ *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.*



EOFFICE STATISTICS OCTOBER 2025

GOVERMENT OF WEST BENGAL



DEPARTMENT UNDER CENTRAL GOVERMENT

- ✓ Coal India
- ✓ Damodar Valley Corporation
- ✓ AIIMS Kalyani
- ✓ Tea Board India
- ✓ Geological Survey of India
- ✓ Indian Army Eastern Command
- ✓ AIIH&PH
- ✓ National Atlas & Thematic Mapping Organisation (NATMO)
- ✓ National Council of Science Museums (NCSM)
- ✓ Indian Bureau of Mines

...and more.

Future Road Map

- ✓ *It has been decided by GoWB to implement eOffice in all the directorates of all the secretariat departments. Works are in progress to achieve the target.*
- ✓ *In the next phase extend eOffice to all Sub-division and Block level. This would make West Bengal as a unique state to achieve complete eGovernance.*
- ✓ *It is also planned to have a Disaster Recovery (DR) setup in different geographic location for ensuring safety of data and also a Business Continuity Plan (BCP) to ensure availability of eOffice.*

HOD: *Dr. Siddhartha Sen, Director (IT), NIC, WB* hod.sn-wb@nic.in
Project Coordinator: *Dr. Siddhartha Sen, Director (IT), NIC, WB* hod.sn-wb@nic.in
SIO : *Shri Atanu Das, DDG & Sc-G* sio-wb-wb@nic.in

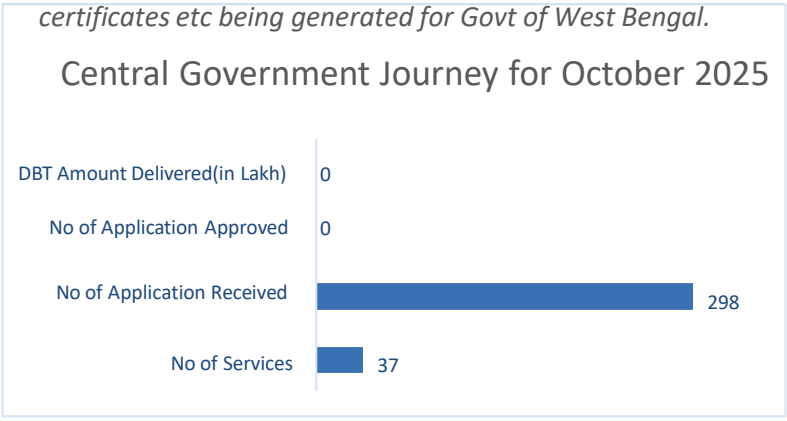
HIGHTLIGH

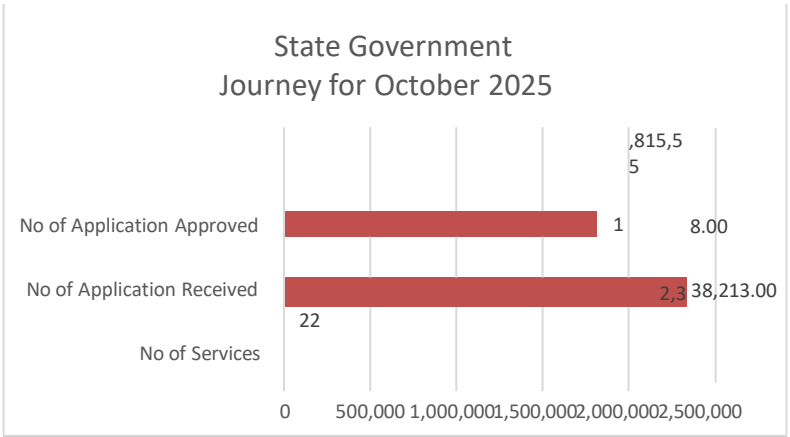
https://serviceonline.gov.in
https://tathyasathi.bangla.gov.in

All-in-one citizen engagement platform, used by State Government and Tea Board of India in West Bengal

"Make all Government services accessible to the common man in his locality, through common service delivery outlets, and ensure efficiency, transparency, and reliability of such services at affordable costs to realize the basic needs of the common man"

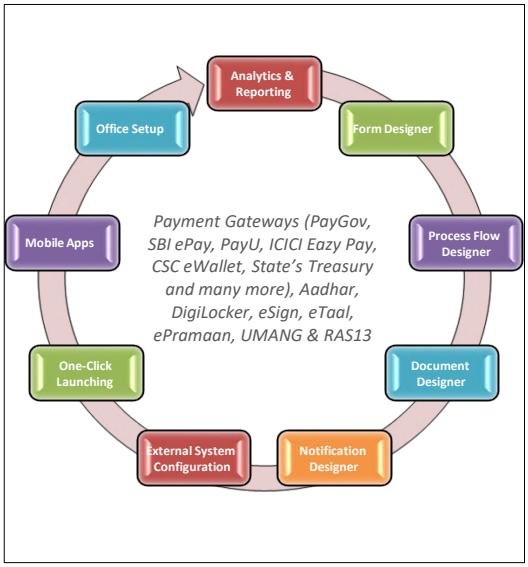
- ***Regulatory Approval Services :*** *The services like Issuance of Electricity Permission, festival permission, idol immersion are given to the citizens.*
- ***E-Governance Services :*** *Around 37 no of e-governances including DBT are being delivered for various schemes of Tea Board of India.*
- ***Issuance of Certificates Services :*** *Various certificates like income certificate, Residential Certificate, legal heir certificates etc being generated for Govt of West Bengal.*





Features

Powerful in-built tools enable rapid design, easy configuration, security compliance & roll out of services

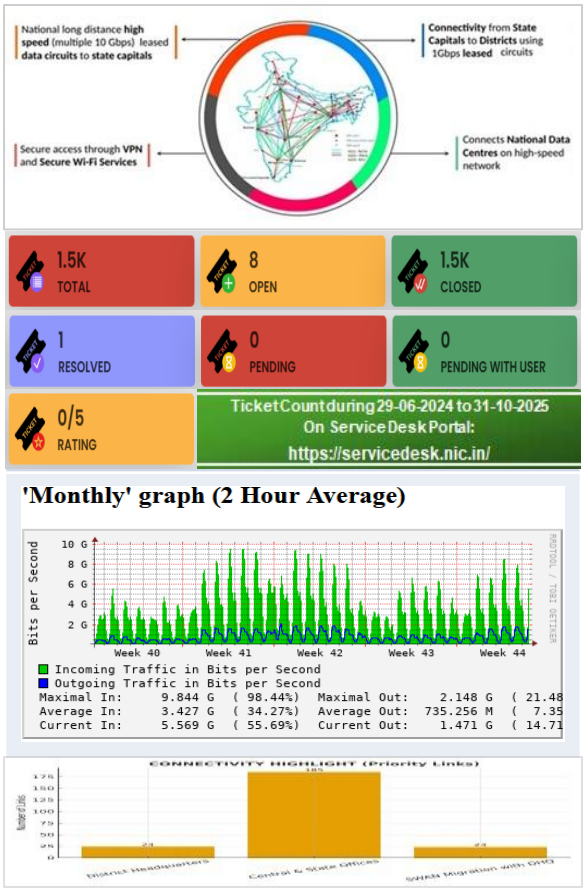


HOD: *Dr. Siddhartha Sen, Director (IT), NIC, WB*
Project Coordinator: *Dr. Siddhartha Sen, Director (IT), NIC, WB*
SIO : *Shri Atanu Das, DDG & Sc-G*
hod.sn-wb@nic.in
hod.sn-wb@nic.in
sio-wb@nic.in

PROJECT NAME	PRISM ID	PROJECT URL
NICNET (Internet & Intranet Backbone for Government Machinery)		https://www.nic.in/service/nicnet

HIGHLIGHTS

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 320 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



HOD: Shri Dipankar Sarkar **Email: hod.nknvcs-wb@nic.gov.in**

Other Officers:

SIO : Shri Atanu Das **Email:sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
VIDEO CONFERENCING SERVICES (PRAGATI)		URL: https://reserve.nic.in

HIGHLIGHTS

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.

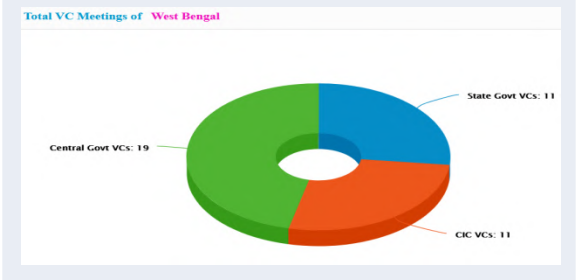
In October'2025, total 41 No. of VCs has been conducted where 260 sites participated with 550 studio hours

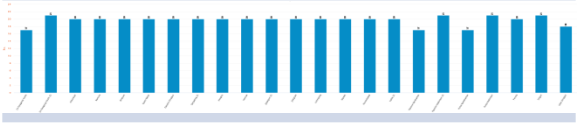
Out of 41 VCs, we have conducted 32 VCs on Bharat VC platform where 350 participants joined through link.

Additionally, Prime Minister 01 VC, Cabinet Secretary 01 VC, Secretary, Chief Secretary 01 VC, Govt. of India 03 VCs, Election Commission 07 VCs has been conducted successfully.

Summary

	No of VC meetings	Studio hours	Site Participated
VC meetings of State Govt.	11	435	199
VC meetings of Central Govt.	19	110	47
VC meetings of CIC	11	4	14
Total	**41**	**550**	**260**





HOD: Shri Dipankar Sarkar **Email: hod.nknvcs-wb@nic.gov.in**
Other Officers:

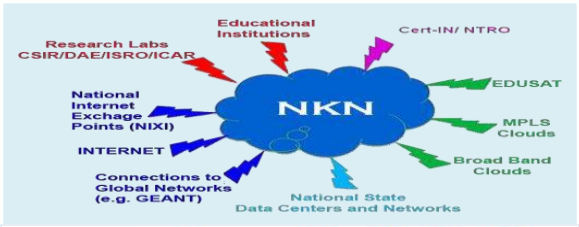
SIO : Shri Atanu Das **Email:sio-wb@nic.in**

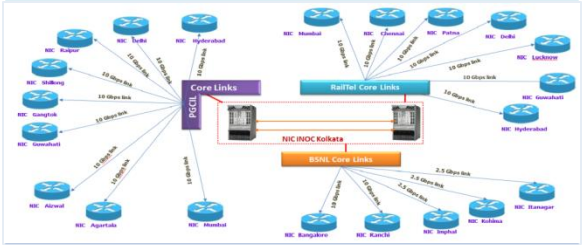
PROJECT NAME	PRISM ID	PROJECT URL
National Knowledge Network (**NKN**)		URL: https://nkn.gov.in

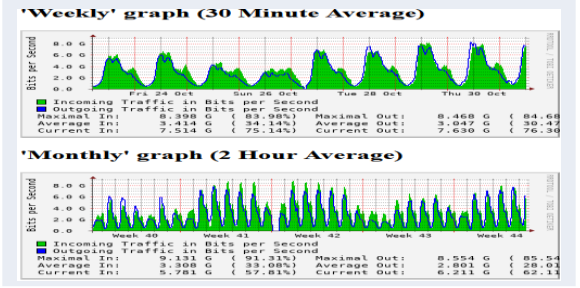
HIGHLIGHTS

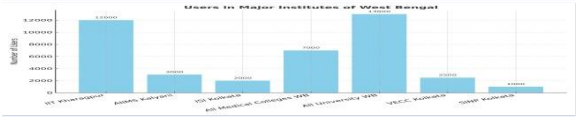
The National Knowledge Network (NKN) project is designed to create a secure and reliable high-speed network across India, connecting universities, research institutions, and healthcare and agricultural institutions. In West Bengal, NKN has been operational since 2010, linking 91 premier educational and 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.









HOD: Shri Dipankar Sarkar **Email: hod.nknvcs-wb@nic.gov.in**

Other Officers:

SIO : Shri Atanu Das **Email:sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
NextGen Kanyashree Online 9.0	**2505**	**Production URL:** https://wbkanyashree.gov.in **Production URL:** https://admin-kanyashree.wb.gov.in/

HIGHLIGHTS

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.

Impact: Around 3.46 Crores unit have been enrolled under this programme throughout the state. Around 3.37 Crores unit of Scholarships have been sanctioned so far.

Enhanced value to citizen: Single-window & end-to-end ICT enablement application for Kanyashree.

Technical Stack

Laravel 10, PHP 8.1, Apache2.4, PostgreSql 17

Statistics: October 2025

Enrolled Applications – 1,01,845
Sanctioned Applications – 1,65,433
Unique Beneficiaries – 52,266

Statistics: Since Inception (Oct 2013)

Enrolled Applications – 3.46 Crores
Sanctioned Applications – 3.37 Crores
Unique Beneficiaries – 95.1 Lakh

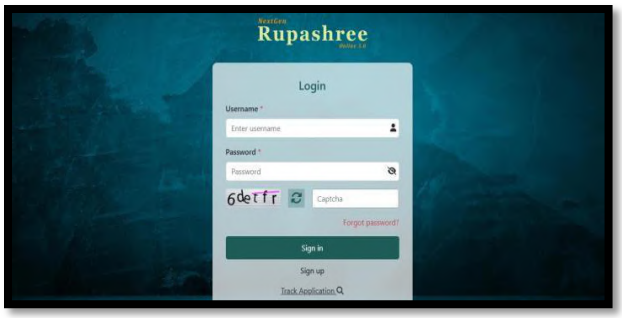
HOD: Shri Sarat Dhara, Scientist - F — **Email: hod.wcd-wb@nic.in**
Project Coordinator: Dr. Subrata Roy Gupta, Sc – E — **Email: officer1.wcd-wb@nic.in**

SIO : Shri Atanu Das, DDG & Scientist-G — **Email: sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
NextGen Rupashree Online 3.0	**2528**	**Production URL: https://rupashree.wb.gov.in**

HIGHLIGHTS

"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.



Technical Stack

Laravel 10, PHP 8.1, Apache2.4, PostgreSql 17

Statistics since inception

Covered District – 24
Covered Block/Municipality – 473
Total Beneficiary – 19,38,761
Beneficiary – 11,207(October 2025)

HOD: Shri Sarat Dhara, Scientist - F **Email: hod.wcd-wb@nic.in**
Project Coordinator: Dr. Subrata Rou Gupta, Sc – E **Email: officer1.wcd-wb@nic.in**

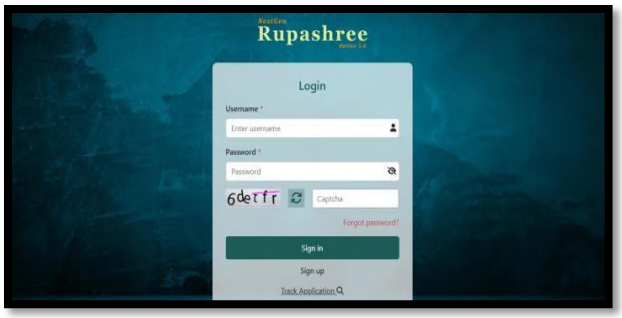
SIO : Shri Atanu Das, DDG & Sc-G **Email:sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
Child Marriage Reporting and Tracking System	**2814**	**Production URL: https://cmrts.wb.gov.in**

HIGHLIGHTS

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

Impact:
Total No. of Interventions reported in CMRTS portal: 11486 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 –11,486
Home Enquiry Done –9,957
Follow-up Done –38,146

Statistics: October 2025

Intervention Reported – 457
Home Enquiry Done – 284
Follow-up Done – 1828

HOD: Shri Sarat Dhara, Scientist - F **Email: hod.wcd-wb@nic.in**
Project Coordinator: Dr. Subrata Roy Gupta, Sc – E **Email: officer1.wcd-wb@nic.in**

SIO : Shri Atanu Das, DDG & Sc-G **Email: sio-wb@nic.in**

Project Name	Prism Id	Project URL
eAbkari (NCT Delhi)	3490	https://eAbkari.delhi.gov.in

Highlights

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.

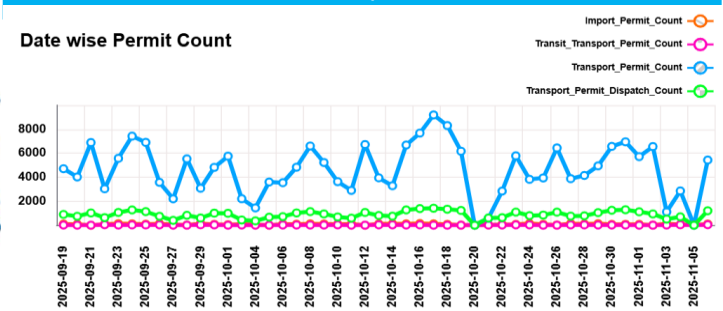
Implementation / Benefits of Citizen:

- ✓ Execute better Enforcement management for safeguarding public health from spurious liquor.
- ✓ Increase in Excise Revenue arresting revenue leakage points through reconciliation of every drop of spirit imported or manufactured and curbing sale of non-duty paid, illicit and spurious liquor.
- ✓ Timely supply of life-saving medicines.

Technical Stack

ASP.NET | Sql Server | IIS 8.0 | AJAX | Java Script | Gitlab

Graph



Statistics

- ✓ No. of Licensees: 4100
- ✓ No. of Permits : 14,84,195
- ✓ Corporation Bottle Sold : 53.91 Cr.
- ✓ HCR Bottle sales : 2.88 Cr.
- ✓ Country Liquor sales: 2.16 Cr.
- ✓ Total Revenue : 3,657.86 Cr.

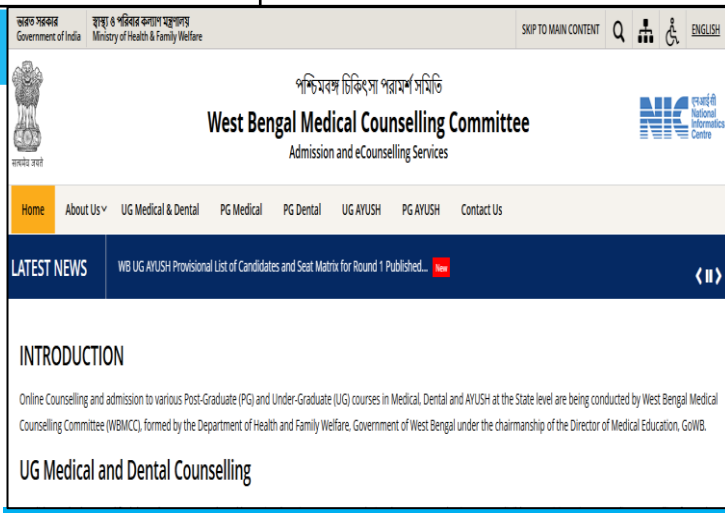
HoD: : Sh. Manas Kr Bhattacharya, Scientist -F — Email Id: shod10-wb@nic.in
Other officers : Smt. Rupa kar, Scientist -E — Email Id : officer1.eh-wb@nic.in
Sh. Arindam Mukherjee, Scientist-D — Email Id : officer2.fcswb-wb@nic.in
Smt. Shila Rani Sahoo , Scientist –D — Email Id : dio-klk@nic.in
Ali Akbar Ansari, Scientist -D — Email Id : officer1.eh-wb@nic.in
Sh. Rahul Gupta , Scientist -C — EMail Id : rahul.gupta94@nic.in
SIO: : Sh. Atanu Das, Scientist -G — Email Id: sio-wb@nic.in

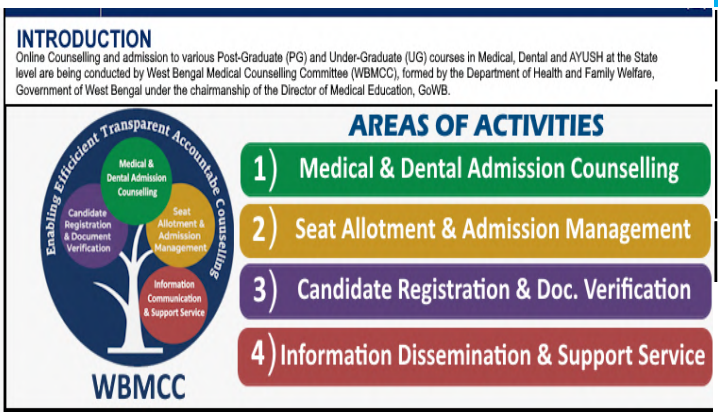
Project Name	Prism Id		Project URL
Medical Counselling (West Bengal)	PG Medical & Dental UG Medical Dental & Ayush PG Ayush	Prism ID: 2884 Prism ID: 3601 Prism ID: 3130	https://wbmcc.nic.in

Highlights

The Counselling Project covers the core activities of WBMCC:

- Centralized Medical CounsellingPlatform
- 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.

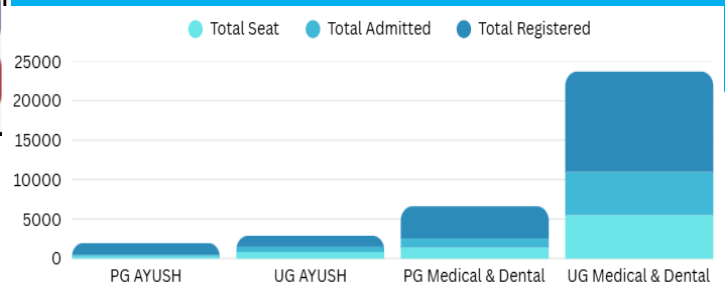




Technical Stack

ASP.NET, Microsoft SQL Server, IIS 8.0, AJAX, Java Script, Gitlab

Graph



Implementation / Benefits of Citizen:

- ✓ Ensures fare and real time allocation of medical seats through a centralized , rule –based system, eliminating manual errors
- ✓ Enables student to complete registration, choice filling, document verification, and admission tracking entirely online – saving time and travel
- ✓ Providing dynamic vacancy updates, allotment and 24X7 support through helpdesk for smooth Counselling experience.

Statistics

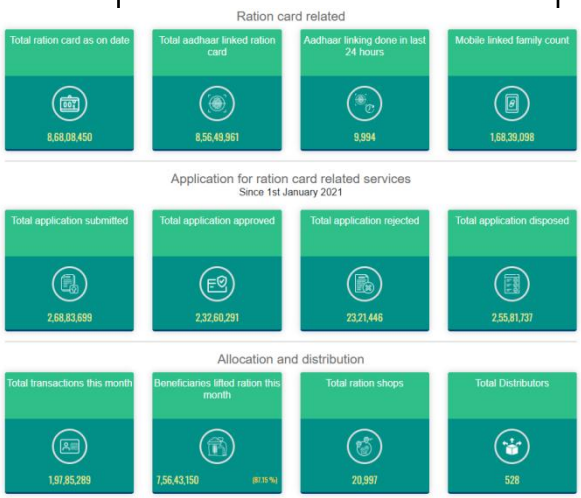
- ✓ No. of Counselling Projects: 5
- ✓ Total Seats : 6,956
- ✓ Total candidates : 25.16 Lakhs
- ✓ Total Registered Candidates: 17,488
- ✓ Total Revenue: 2.94Cr.
- ✓ Total Admitted: 5,815

HoD: : Sh. Manas Kr Bhattacharya, Scientist -F — Email Id: shod10-wb@nic.in
Other officers : Smt. Rupa kar, Scientist -E (Project Co-Ordinator) — Email Id : rupa.kar@nic.in
Sh. Rahul Gupta , Scientist -C — EMail Id : rahul.gupta94@nic.in
SIO: : Sh. Atanu Das, Scientist -G — Email Id: sio-wb@nic.in

PROJECT NAME	PRISM ID	PROJECT URL
Khadyasathi - An End-to-End Public Distribution Management Solution		https://food.wb.gov.in

HIGHLIGHTS

- 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



.Net Core
.Net
MSSQL DB

STATISTICS

Total Beneficiary	– 8.75 Cr
Total Transactions	– 2.42 Cr
Aadhaar Authenticated Transaction	– 99.98 %
RC Related Services	– 187522

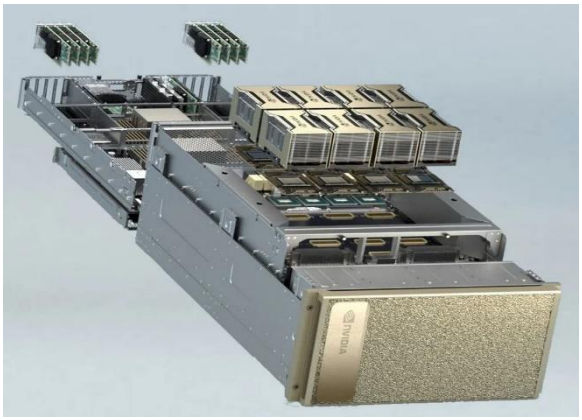
HOD: Supratim Lodh **Email: Supratim.l@nic.in**
Other Officers: Barna Roy Chowdhury

SIO : Shri Atanu Das **Email:sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
AI Supercomputing Platform – DGX A100 Integrated		

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 Simililaraty searh, RAG based Multi modal Chatbot etc application are running.
- MIG based 22 Pods are ruing all over India for AI/ML model training
- More than 20+ POC application hosted.
- Total 70+ POD running



TECHNICAL 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**

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

HOD: Shri Sarat Dhara, Scientist-F **Email:sarat.dhara@nic.in**
Other Officers: Shri Sandip Pramanik, Sc-D **Email:officer1.nicmdck-wb@nic.in**
SIO : Shri Atanu Das, DDG & SC-G **Email:sio-wb@nic.in**

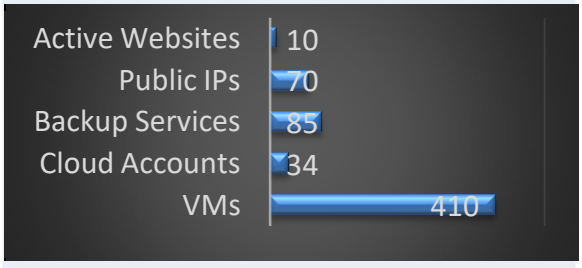
PROJECT NAME	PRISM ID	PROJECT URL
West Bengal Data Center (Mini-Cloud/Data Center)		▪ statecloud.nic.in

HIGHLIGHTS

- West Bengal Mini-Cloud delivers IaaS & PaaS to GoWB & NIC projects
- 410 VMs, 34 cloud accounts, 85 backup services, 70 public IPs provisioned
- Hosting 46 departmental websites, with 10 still active (October 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

TECHNICAL 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**



STATISTICS

Total Websites hosted: 46
Active Websites (still running): 10
Total VMs provisioned: 410
Cloud Accounts: 34
Backup Services: 85
Public IPs: 70
Load Balancers: 6

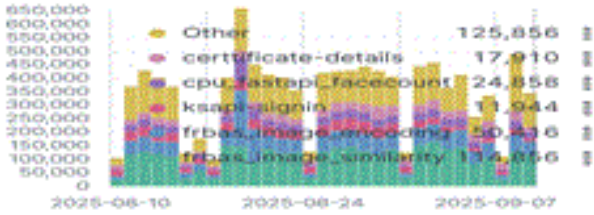
HOD: Shri Sarat Dhara, Scientist-F **Email:sarat.dhara@nic.in**
Other Officers: Shri Sandip Pramanik, Sc-D **Email:officer1.nicmdck-wb@nic.in**
SIO : Shri Atanu Das, DDG & SC-G **Email:sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
WB NAPIX Gateway & Analytics		

API Calls Received **8.08+ crore since inception.**
API calls for the month of October, 2025: 81 Lakh.

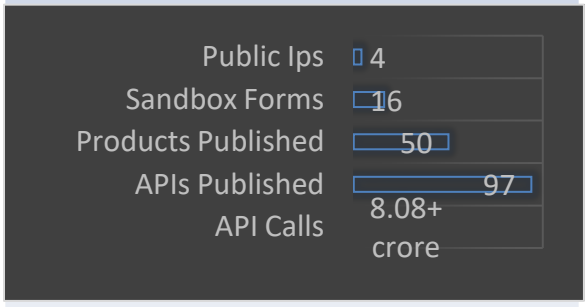
HIGHLIGHTS

- **97 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**



TECHNICAL 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**



STATISTICS

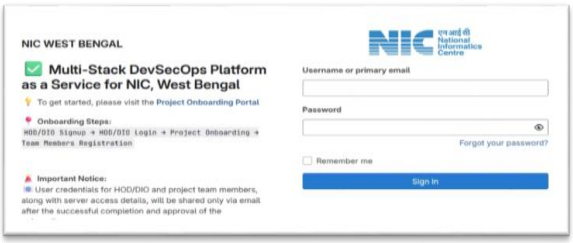
API Calls Received	8.08+ crore
APIs Published (Production)	97+
Products Published (Production)	50
Sandbox Tenant Forms Received	16+
Public IPs Allocated	4 (3 Gateway + 1 Sandbox)

HOD: Shri Sarat Dhara, Scientist-F **Email:sarat.dhara@nic.in**
Other Officers: Shri Sandip Pramanik, Sc-D **Email:officer1.nicmdck-wb@nic.in**
SIO : Shri Atanu Das, DDG & Sc-G **Email:sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
Unified DevSecOps Framework for Secure, Multi-Stack CI/CD Automation		register-gitlab.wb.nic.in

HIGHLIGHTS

- 2 Project groups have been onboarded using technology stack JavaScipt,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
- Supports GitOps (ArgoCD) for automated deployments



TECHNICAL STACK

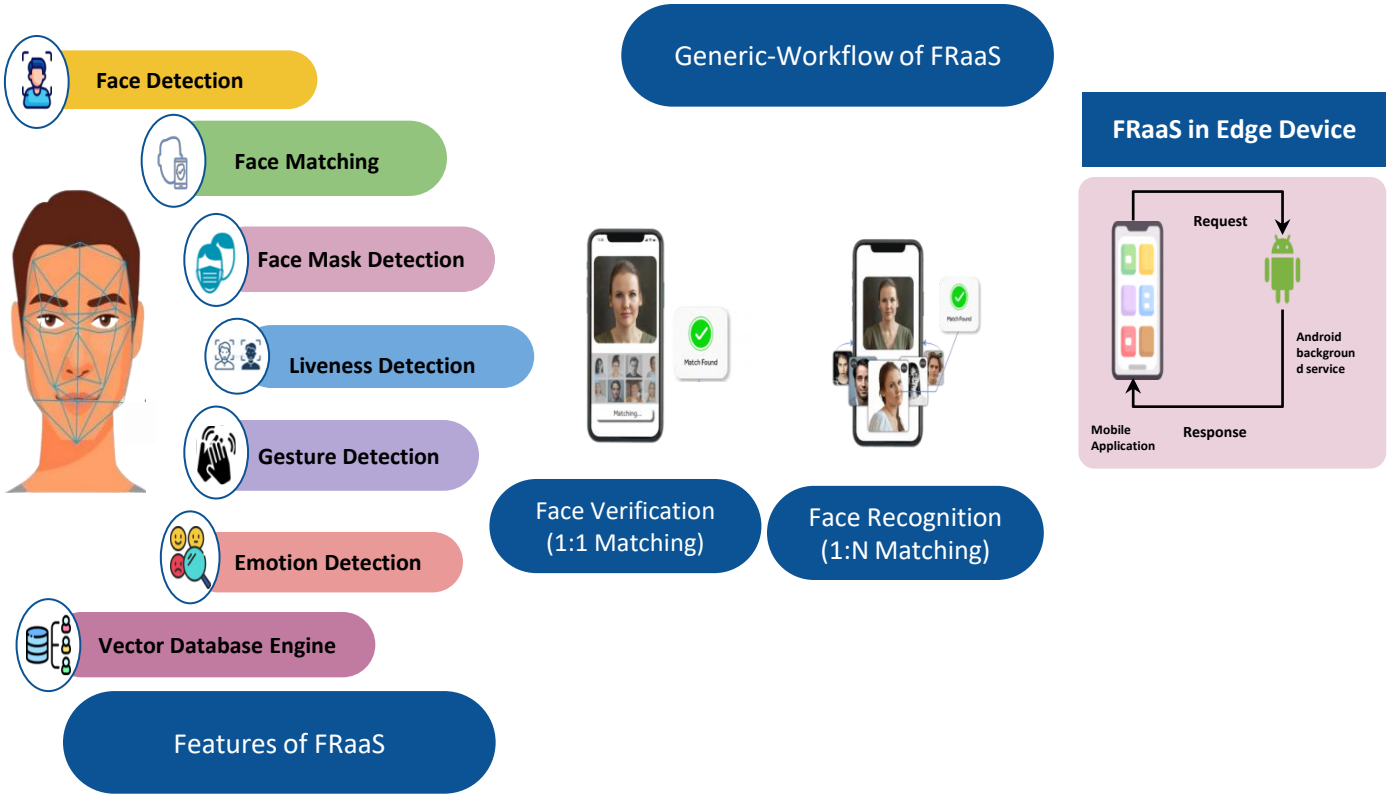
- Version Control & CI/CD: GitLab (HA), GitOps (ArgoCD)
- Containerization & Orchestration: Docker, Kubernetes
- Security & Quality: SonarQube, integrated DevSecOps tools
- Infrastructure & Templates: App/DB servers, runners, pre-configured CI/CD templates for multiple stacks

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.

HOD: Shri Sarat Dhara, Scientist-F **Email: sarat.dhara@nic.in**
Other Officers: Shri Sandip Pramanik, Scientist-D **Email:officer1.nicmdck-wb@nic.in**
Smt. Shila Rani Sahoo, Scientist-D **Email:shila.sahoo@nic.in**
SIO : Shri Atanu Das, DDG & Sc-G **Email:sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
CoE AI Lab, Kolkata **Face Recognition as a Service**		



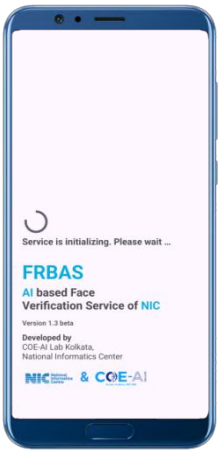
HOD: Shri Sarat Dhara, Scientist - F **Email: hod.wcd-wb@nic.in**
Project Coordinator: Dr. Subrata Roy Gupta, Sc – E **Email: officer1.wcd-wb@nic.in**

SIO : Shri Atanu Das, DDG & Sc-G **Email: sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
CoE AI Lab, Kolkata **Face Recognition based Attendance System (FRBAS)**		

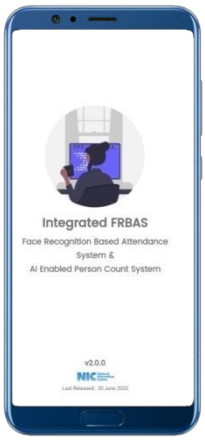
FRBAS - PBSSD

FRBAS - School (Proposed)



FRBAS (offline) - Agristack

FRBAS – Employee Attendance



FRBAS - Anganwadi (Proposed)

FRBAS - ARD (Proposed)

HOD: Shri Sarat Dhara, Scientist - F — **Email: hod.aimlwb-wb@nic.in**
Project Coordinator: Dr. Subrata Roy Gupta, Sc – E — **Email: officer1.aimlwb-wb@nic.in**

SIO : Shri Atanu Das, DDG & Sc-G — **Email: sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
CoE AI Lab, Kolkata FRBAS - Utkarsh Bangla (Technical Education Dept)		

FRBAS-PBSSD

Sl 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

9.26 crore API hit Generated for capturing Attendance since inception

59.26 lakh API hit Generated for marking Attendance in October, 2025

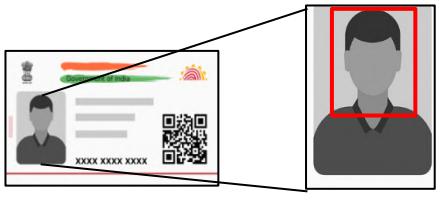
HOD: Shri Sarat Dhara, Scientist - F — Email: hod.aimlwb-wb@nic.in
Project Coordinator: Dr. Subrata Roy Gupta, Sc – E — Email: officer1.aimlwb-wb@nic.in

SIO : Shri Atanu Das, DDG & Sc-G — Email: sio-wb@nic.in

PROJECT NAME	PRISM ID	PROJECT URL
CoE AI Lab, Kolkata **AI Abhigyan - AADHAAR** **(Specialized Service for Information Extraction from Aadhaar Card)**		

1 Corrects Rotated/Skewed Aadhaar Images

2 Validate the alignment of Aadhaar card



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
Gendar: Female
Number: xxxxxxxxxxxx

4 Information extraction

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

1.20 Crores API hits recorded Since inception

2.47 lakh API hits recorded in October, 2025

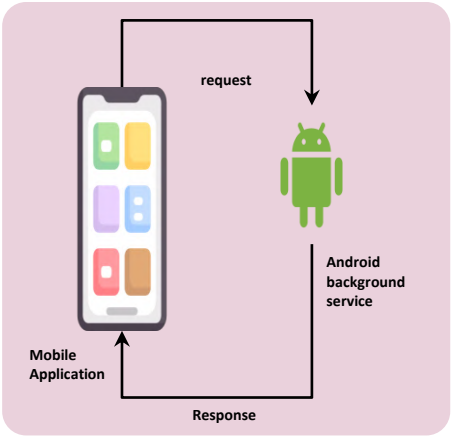
HOD: Shri Sarat Dhara, Scientist - F — **Email: hod.aimlwb-wb@nic.in**
Project Coordinator: Dr. Subrata Roy Gupta, Sc – E — **Email: officer1.aimlwb-wb@nic.in**

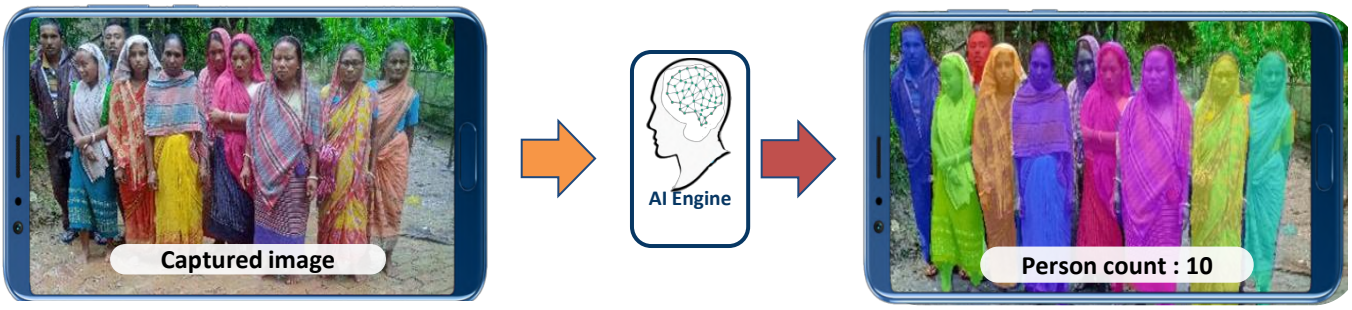
SIO : Shri Atanu Das, DDG & Sc-G — **Email: sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
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.

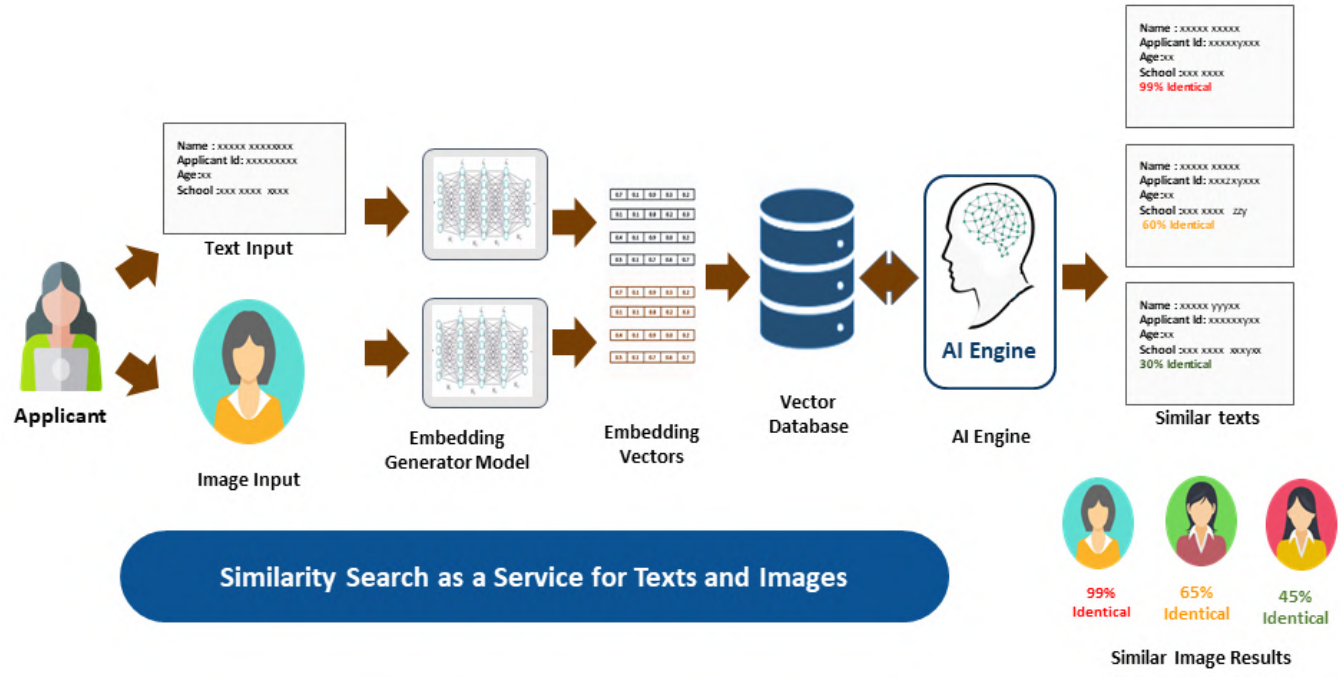




HOD: Shri Sarat Dhara, Scientist - F — Email: hod.wcd-wb@nic.in
Project Coordinator: Dr Subrata Roy Gupta, Sc – E — Email: officer1.wcd-wb@nic.in

SIO : Shri Atanu Das, DDG & Sc-G — Email: sio-wb@nic.in

PROJECT NAME	PRISM ID	PROJECT URL
CoE AI Lab, Kolkata **AI enabled beneficiary de-duplication service**		



Statistics since inception

AI Transaction in Kanyashree – 3.20 Crores
AI Transaction in Rupashree – 59 Lakhs

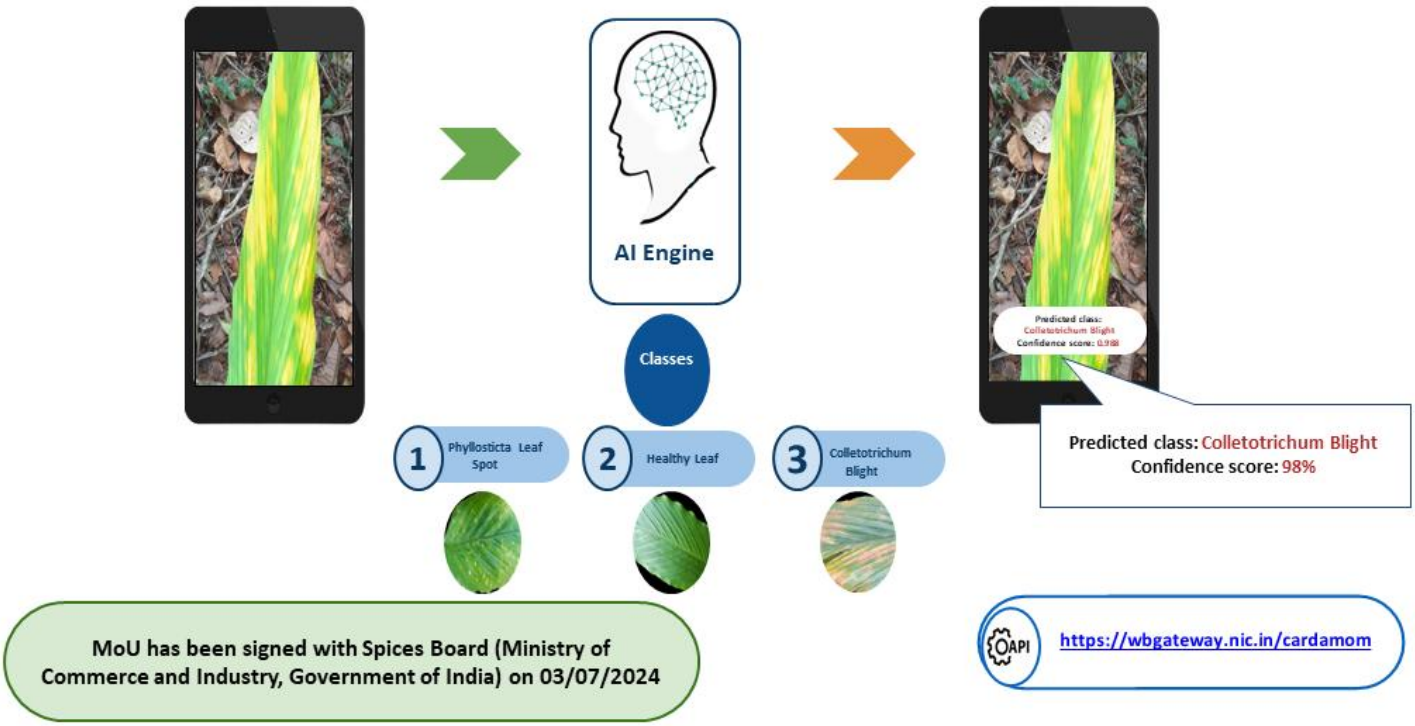
Statistics October 2025

AI Transaction in Kanyashree – 1,31,012

HOD: Shri Sarat Dhara, Scientist - F — **Email: hod.aimlwb-wb@nic.in**
Project Coordinator: Dr. Subrata Roy Gupta, Sc – E — **Email: officer1.aimlwb-wb@nic.in**

SIO : Shri Atanu Das, DDG & Sc-G — **Email: sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
CoE AI Lab, Kolkata **AI Enabled Cardamom Leaf Disease Classification**		

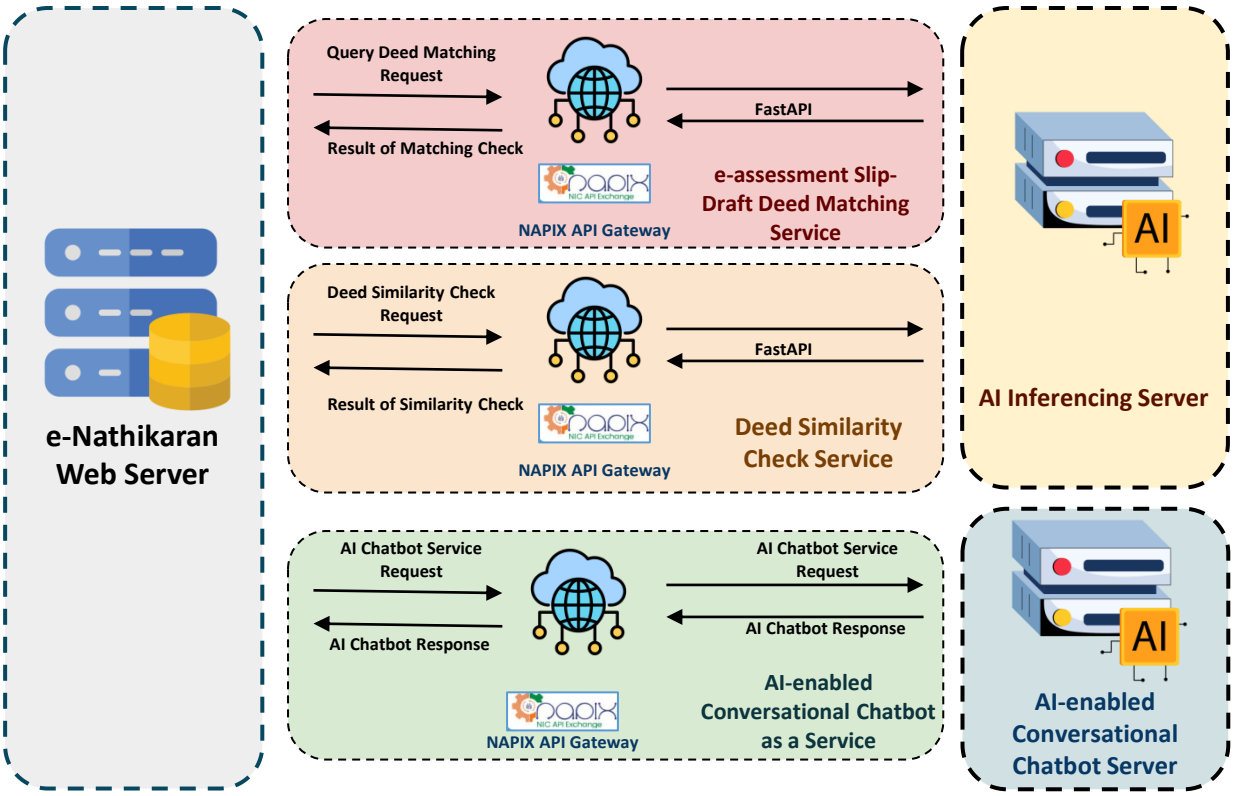


HOD: Shri Sarat Dhara, Scientist - F — **Email: hod.aimlwb-wb@nic.in**

Project Coordinator: Dr. Subrata Roy Gupta, Sc – E — **Email: officer1.aimlwb-wb@nic.in**

SIO : Shri Atanu Das, DDG & Sc-G — **Email: sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
CoE AI Lab, Kolkata AI Services for e-Nathikaran	3792	



HOD: Shri Sarat Dhara, Scientist - F
Email: hod.aimlwb-wb@nic.in
Project Coordinator: Dr. Subrata Roy Gupta, Sc – E
Email: officer1.aimlwb-wb@nic.in

SIO : Shri Atanu Das, DDG & Sc-G
Email: sio-wb@nic.in

PROJECT NAME	PRISM ID	PROJECT URL
CoE AI Lab, Kolkata **AI Sanlaap** Conversational AI-based Multimodal Multilingual Chatbot Framework of NIC		

Multilingual

- English
- Bengali
- Hindi

Multimodal

- Text to Speech
- Speech to Text
- Translation
- Transliteration

Hybrid Architecture

- Knowledge-base Based
- RAG Based
- Rule Based

- Customizable Knowledge Base (KB)
- Knowledge Base Creation using RAG
- Hybrid Answering system : RAG and KB
- Rule based customized chat features
- Statistical Report
- Feedback

Proposed to: WCD & SW, EoDB, SRS, DORSR

HOD: Shri Sarat Dhara, Scientist - F — **Email: hod.aimlwb-wb@nic.in**
Project Coordinator: Dr Subrata Roy Gupta, Sc – E — **Email: officer1.aimlwb-wb@nic.in**

SIO : Shri Atanu Das, DDG & Sc-G — **Email: sio-wb@nic.in**

PROJECT NAME	PRISM ID	PROJECT URL
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

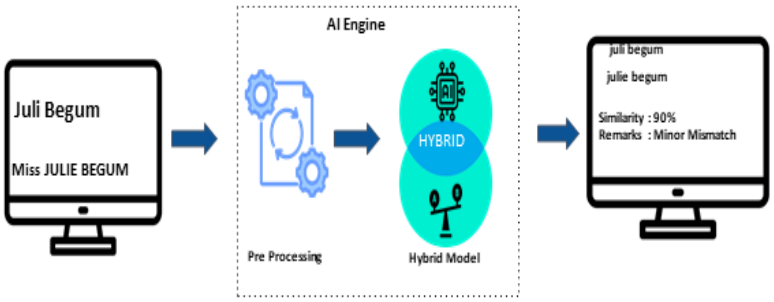
Numeric representation of names

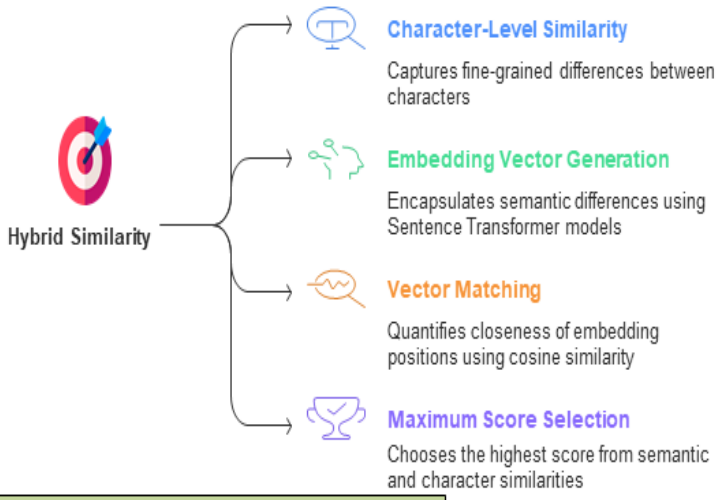
Captures basic context

Transformer-Based Methods (LLMs)

Understands semantics, transliterations, and variants.

Robust to surface-level differences





2,00,312 no of API hits recorded in October, 2025 (Being used for KP, RP, Lakshmir Bandar & Jai Bangla

Proposed to KP RP

HOD: Shri Sarat Dhara, Scientist - F — **Email: hod.aimlwb-wb@nic.in**

Project Coordinator: Dr. Subrata Roy Gupta, Sc – E — **Email: officer1.aimlwb-wb@nic.in**

SIO : Shri Atanu Das, DDG & Sc-G — **Email: sio-wb@nic.in**

District Informatics Officer (DIO) , ICT consultant and District level Coordinator of several Projects (G2G,G2C, G2E,G2B) across Sectors and spread over 100 locations running successfully :-

Project :-	**Impact :-**
❖ iRAD/eDAR captured till date.	: 1689 accident cases
❖eProsecution Digitalized under this project.	: 15034 Court Cases
❖eOffice	: Users : 430 Transactions : 54097
❖Arms License Issuance System data dizitalized.	: approx. 1500 Gun License
❖Vahan-Sarathi registered.	: 43,78,58 vehicles have been
❖IVFRT Arrival: 26587 , Exit:26709	: Indian & Foreigner data

❖Jaybangla portal, Laxmir Bhandar Duare Sarkar Camps, Kanyashree : Lacs of citizen getting services at their door step.

❖Election Manpower Management System : Office and Emp Verified 82.6% & 39.9%. (https://emms.wb.gov.in)

❖AASAN Puja Permission portal : Durga Puja : Application : 1088 / Permission Granted: 906. Kali Puja : Application : 245 / Permission Granted: 164 by all Stake Holders.

❖eForms, eMails : 340 email created under uttardinajpur.gov.in, bulk email creation and profile updation .

❖Campus LAN : approx. 300 nodes are connected and network traffic is being transferred through our 1G NICNET Router as Primary Link.

❖Other eGov Projects CAA,OSCAR, OASIS, Mplads, GEM, eProcurement, Recruitment, Amader Para Amader Samadhan (APAS), Observance of Cyber Vigilance & iGOT Courses.

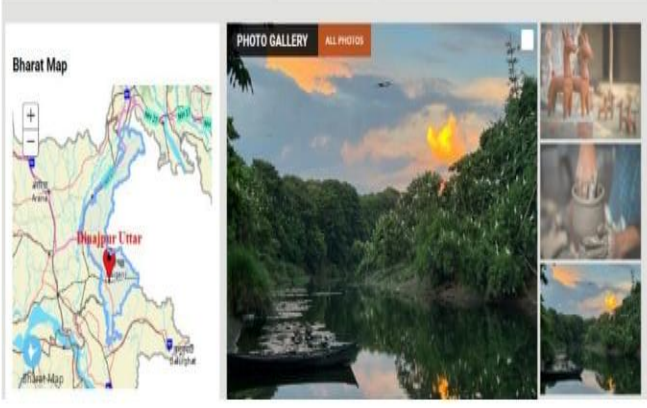
❖Video Conferences arranged : (Total : **36 during Oct**, 2025)

Training :

❖ Imparted several Trainings on AASAN Puja permission portal to stakeholders like Wbsedcl/Fire/Police/SDO/Blocks/Municipalities.

❖ Imparted several Trainings on EMMS 2.0 portal to District Administration/ SDO /Blocks for the ensuing West Bengal Legislative Assembly Election 2026.

https://uttardinajpur.gov.in/



West Bengal District project OCTOBER 2025

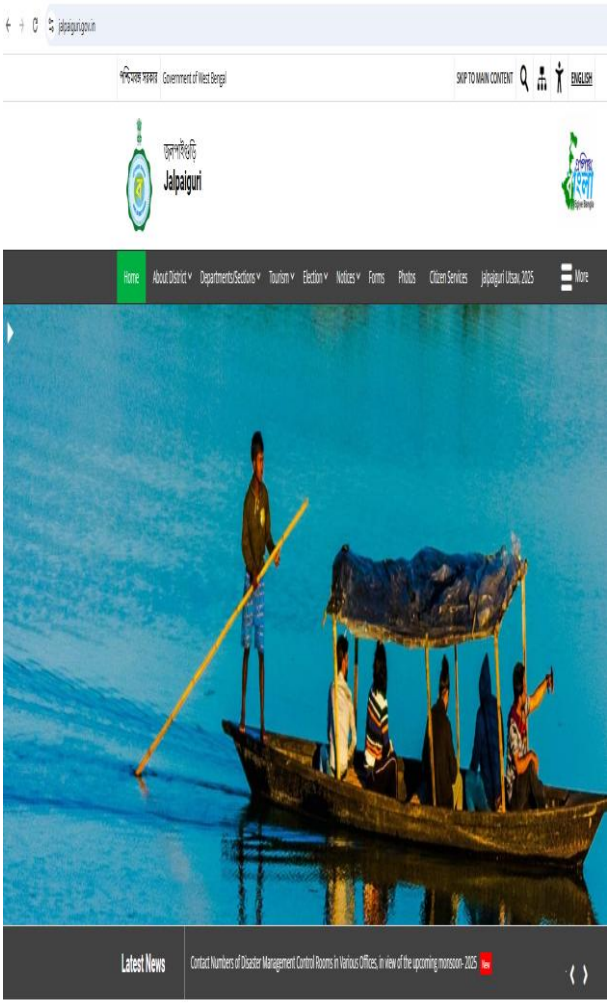
District : JALPAIGURI,

https://jalpaiguri.gov.in/

Jalpaiguri District website

Highlights

Jalpaiguri is a district in northern West Bengal, situated in the scenic Dooars region. It is known for its lush tea gardens, forests, and rivers like Teesta and Karala. The district shares borders with Bhutan and Bangladesh. It has rich biodiversity and popular tourist spots like Gorumara. Jalpaiguri is also a hub for agriculture, tourism, and digital governance initiatives.



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

Summary/Training

1.Regular User Training conducted for new/Changed module.

2.Updated process flow explained to user.

West Bengal District project District :Murshidabad, October 2025

Murshidabad District website

Highlights

NIC Murshidabad is providing ICT infrastructure to district administration to support e-Governance services through pan india communication network (NICNET), LAN, Videoconference, Webcast facility etc. District Administration with support from NIC is executing and implementing e-governance and Digital India initiatives to the grass root level in achieving transparent, efficient and responsive governance.

District Specific Activities

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

https://murshidabad.gov.in

Murshidabad Map

West Bengal District project **District :Nadia ,October 2025**

https://nadia.gov.in/

Nadia District

District Specific Activities

District website (S3WAAS) content management as per requests from District Officials and Departments.

Regular Video Conferencing support (General & Election related VCs).

Coordination with OC-Polling Personal for EMMS 2.0 software operation upcoming election.
Doubt clearance and technical support for Election Software related queries.