

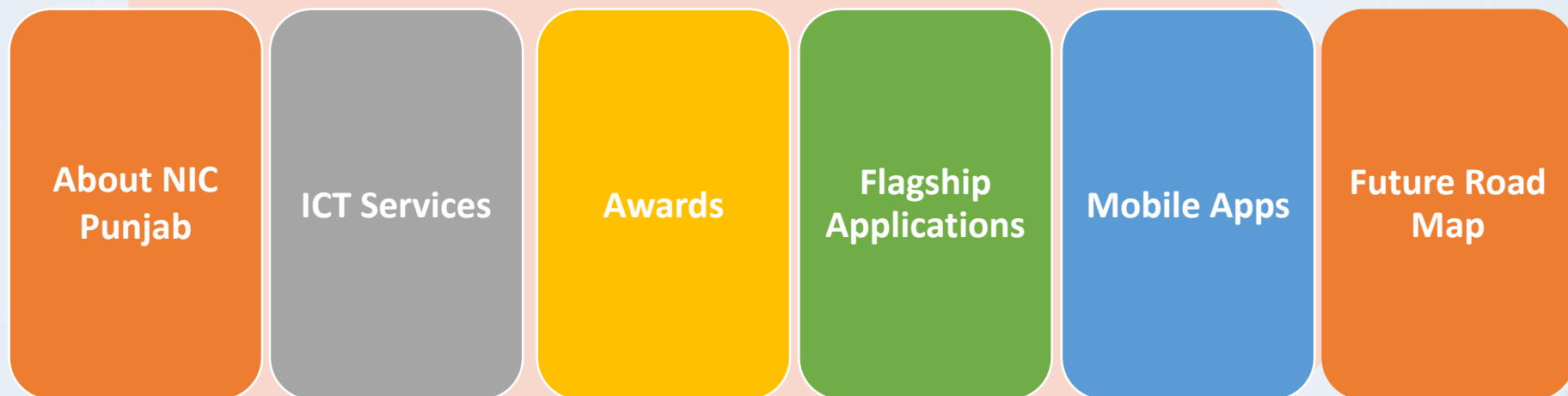


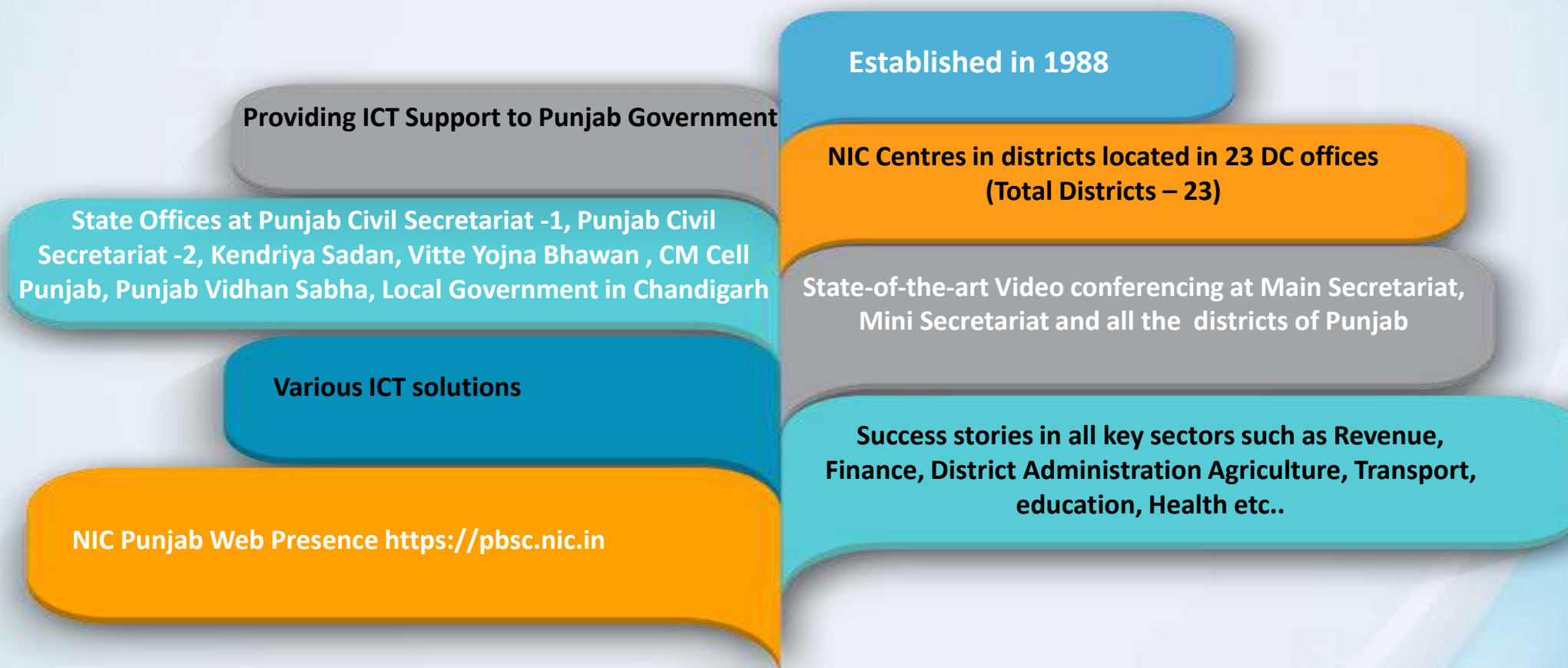
# Punjab State Centre

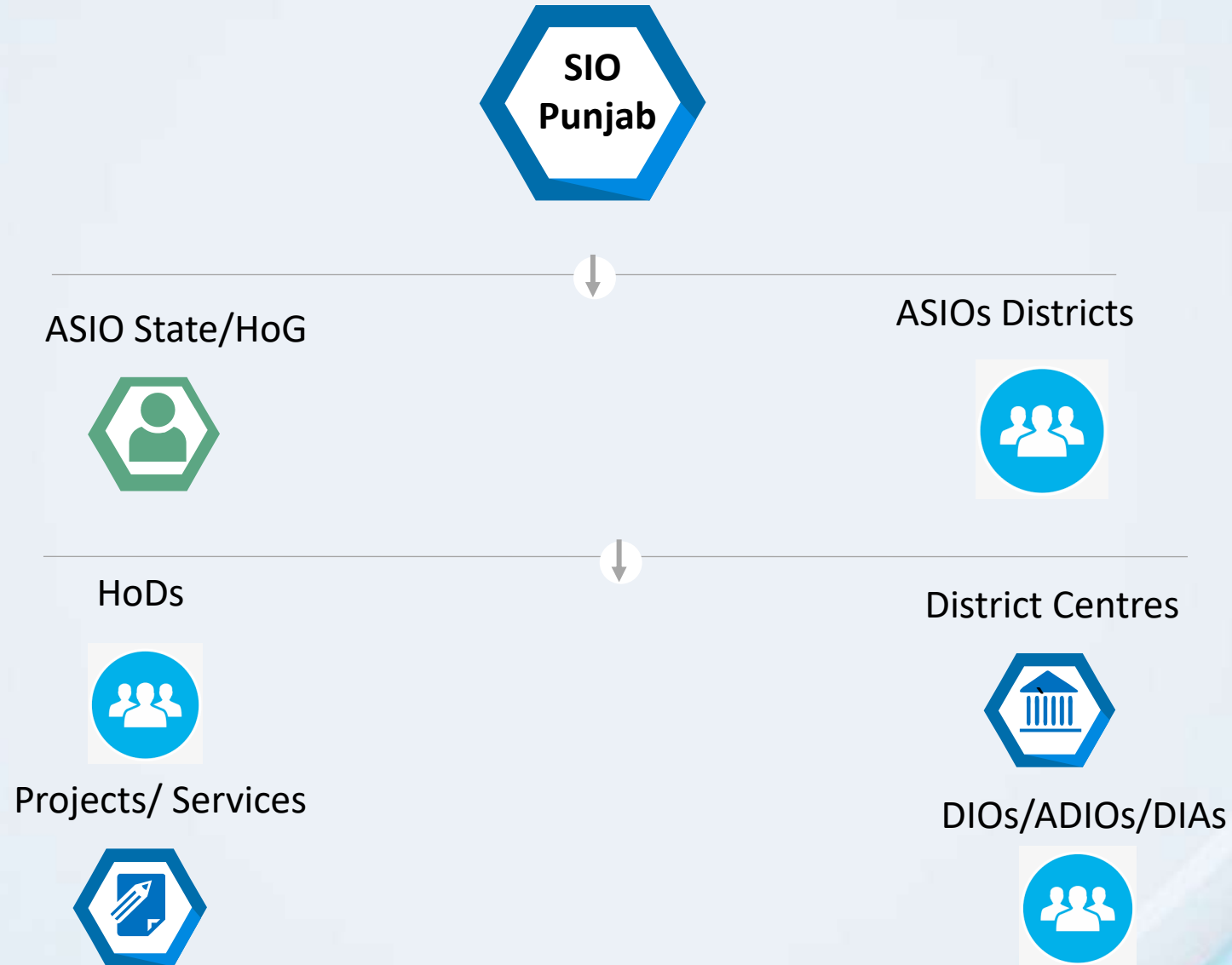
## Profile & Achievements

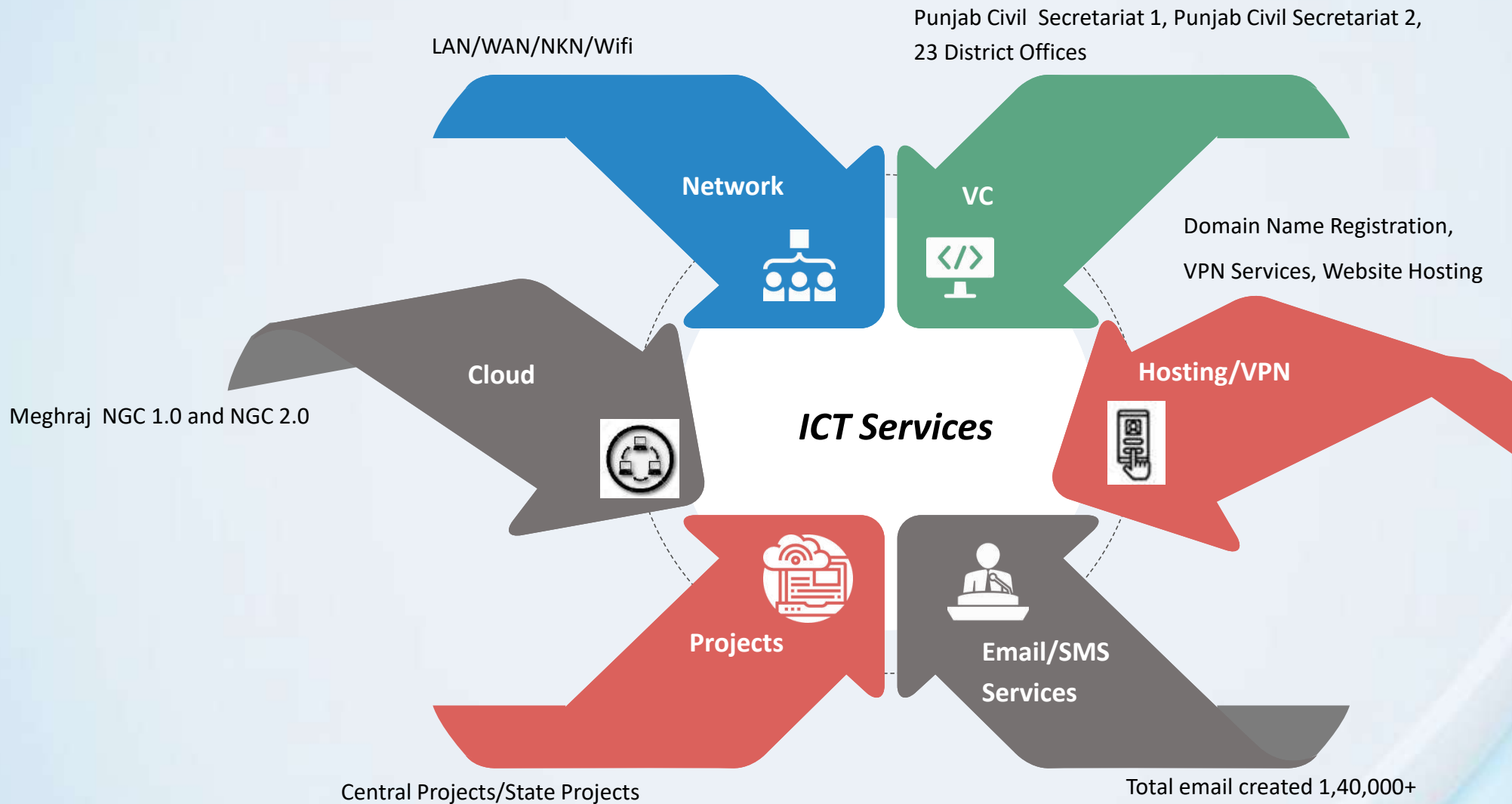
<http://pbsc.nic.in>

Vivek Verma  
Deputy Director General & State Informatics Officer  
Mobile: 9417367744  
Landline: 0172-2747357  
Email: [sio-punjab@nic.in](mailto:sio-punjab@nic.in)









## Skoch

- ✓ ITI Portal
- ✓ ITI eCounseling-2014
- ✓ Invest Punjab

## CSI Nihilent and Digital India Award

- ✓ Invest Punjab

**2016**

## Skoch

- ✓ Automation of Economic and Statistical Organization
- ✓ Implementation of eOffice in DC office Barnala, DC office Fatehgarh Sahib & DGR Punjab

**2017**

## CSI Nihilent

- ✓ PPSC (Punjab Public Service Commission (PPSC)
- ✓ eOffice Implementation in Punjab

**2017**

## Skoch

- ✓ e-Labour Punjab
- ✓ eOffice Implementation in DGR Punjab

**2018**

## Award for Excellence

- ✓ eOffice Implementation in Punjab

**2019**

## Digital Technology Sabha Award

- ✓ Release Order System PAROS

**2021**

## District Governance Through Mobile Challenge (DGMC)

- ✓ NIC Punjab won Silver Award
- ✓ NIC Faridkot Bronze Award

**2021**

## Digital India Silver Award

- ✓ Invest Punjab

**2022**

## Technology Sabha Award

- ✓ eAbkari Punjab

**2023**

## CSI Award of Appreciation

- ✓ Invest Punjab

**2023**

## Skoch

- ✓ eAbkari Punjab

**2024**

## Skoch

- ✓ eAbkari Punjab
- ✓ Poll Activity Monitoring System
- ✓ eOffice

**2025**

## eLets

- ✓ Poll Activity Monitoring System

**2025**

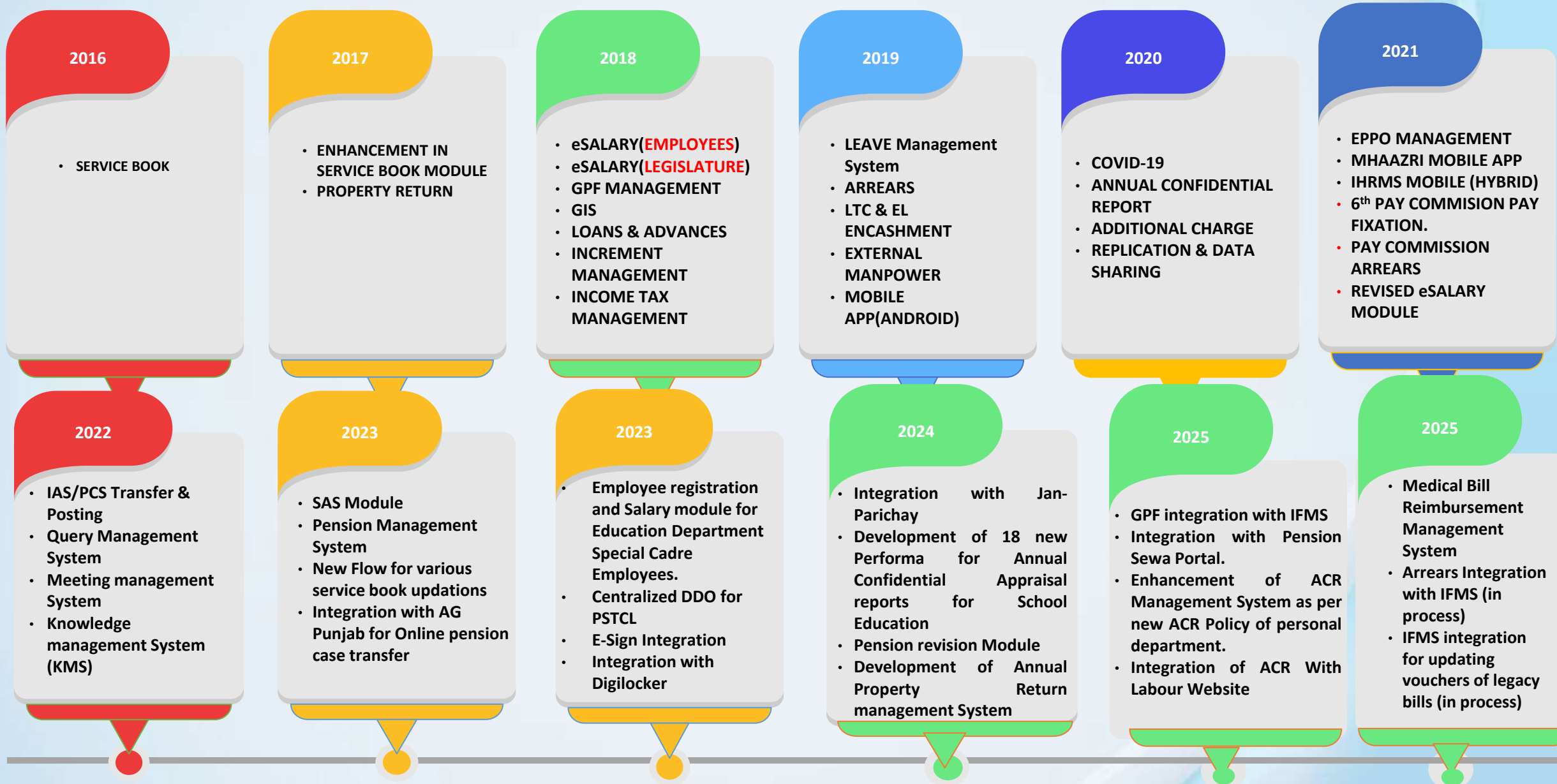
## Technology Sabha

- ✓ Local Body - Poll Activity Monitoring System

**2025**

# Flagship Applications





**ADMINISTRATIVE  
DEPARTMENTS  
(56)**

**DEPARTMENTS  
(225)**

**BOARDS  
(23)**

**INSTITUTES  
(6)**

**CORPORATIONS  
(20)**

**BUREAU  
(1)**

**COUNCILS  
(2)**

**AUTONOMOUS  
BODY  
(3)**

**COMMISSION  
(3)**

**AUTHORITY  
(3)**

**BANK  
(2)**

**UNIVERSITY  
(6)**

**Offices  
(41499)**

**Number of  
Employees  
(488339)**

## iHRMS – DATA SHARING

1

CRIME & CRIMINAL  
TRACKING NETWORK &  
SYSTEMS (CCTNS)

2

INTEGRATED  
FINANCIAL  
MANAGEMENT  
SYSTEM(IFMS)

3

VEHICLE MANAGEMENT  
SYSTEM (VMS)

4

E-PRISON

5

AG OFFICE (PENSION)

6

PUNJAB STATE  
WAREHOUSING  
CORPORATION

7

PUBLIC WORKS  
DEPARTMENT(PWD)

8

NATIONAL HEALTH  
MISSION

9

EAWAS CHANDIGARH

10

EAWAS PUNJAB

11

PUBLIC GRIEVANCES

12

PUNGRAIN

13

RTI PORTAL

14

CM DASHBOARD

15

Election

16

PSPTL (in progress)

## Road Ahead/In Progress.....

Integration with Aadhaar Data Vault

Integration with other stakeholders like Banks and Accountant General Punjab

Data Archival Policy

NPS Contribution Management System

Re-Architecting of existing system into microservice based software using .NET Core/MS SQL Server 2022 Enterprise Edition

Implementation of Command Query Responsibility Segregation Pattern(CQRS) for various iHRMS Punjab Databases

Bilingual Chat Bot Support ( NLU based) using Google DialogFlow/Vani Framework

GIGW Compliance audit of iHRMS Punjab web portal

Integration of All modules of iHRMS with IFMS

## Online Services (Through Invest Punjab)

### Licences/Registration Certificates



Manufacturer of Weights & Measures



Renewal of Manufacturer Licence



Dealer of Weights & Measures



Renewal of Dealer Licence



Repairer of Weights & Measures



Renewal of Repairer Licence



Registration of Manufacturer/Packer of  
Packaged commodities



Nomination of Director by Companies

### Verification of Weights & Measures



Petrol Pump Dispensing Unit



Flow Meters



CNG/LPG Dispensers



Storage Tanks



Auto / Taxi Fare Meters



Weights & Measures Produced in  
Office/Camp office



Weights & Measures at business place



Quick Stat



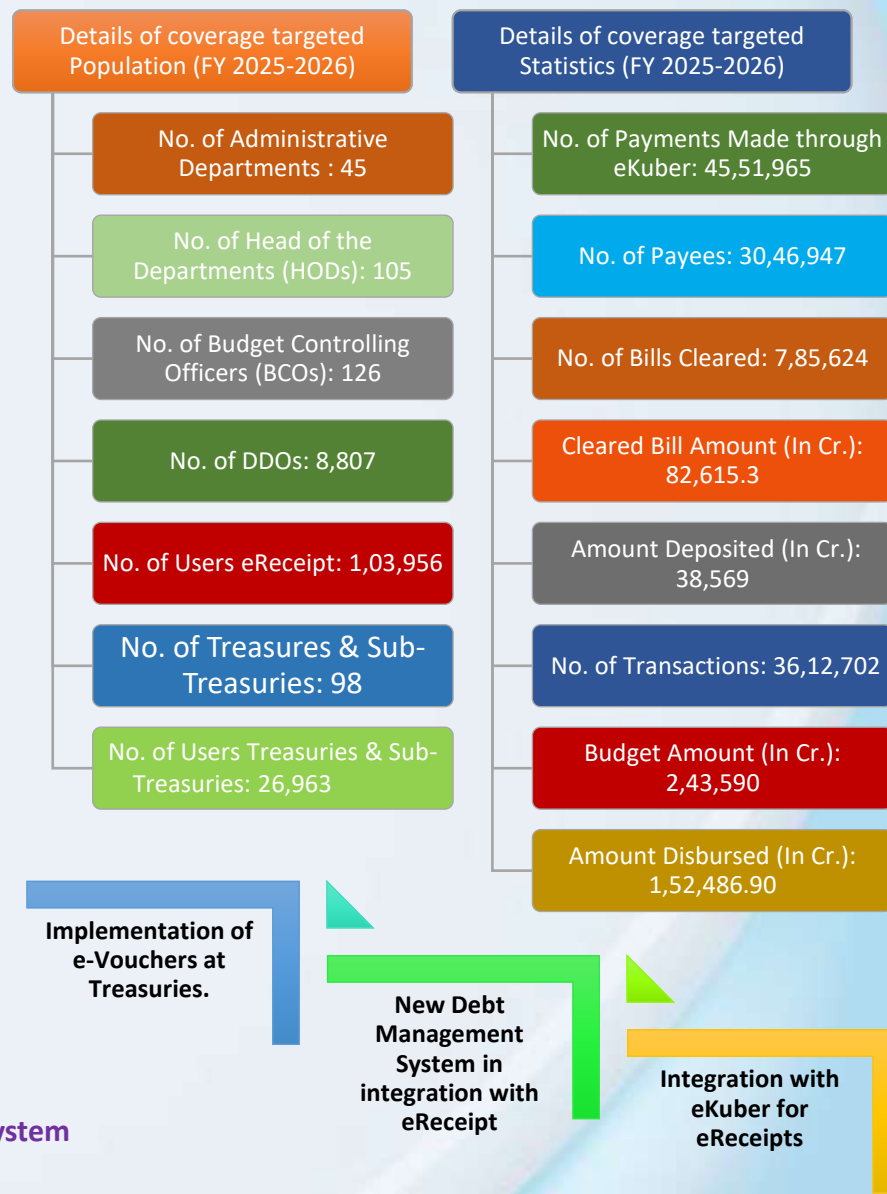
**New Next Gen IFMS is designed to bring efficiency in financial planning and expenditure control in the state. This platform has brought stakeholders like Department of Finance, Treasuries, Administrative Departments, Accountant General (AG), RBI, Banks and Citizens on a single platform. Smart Dashboards have provided a better Decision Support System and brought efficiency in expenditure control.**

## Recently Implemented

- Liquidity Management System
- SNA SPARSH
- Non-Treasury Accounting (Works)
- Non-Treasury Receipt

## In-Process Modules:

- Contractual Payment Management System





Facilitates the flow of funds between the state and central governments for Centrally Sponsored Schemes (CSS).

Integrated network of State IFMIS, PFMS, and RBI's e-kuber  
Monitoring of fund release by central ministries, departments, and state governments.

Facilitates return of unspent funds to the Consolidated Fund of India (CFI) and the Consolidated Fund of the State.

Helps to monitor the utilization of funds released for CSS  
Improve Cash Management and release funds "just-in-time".

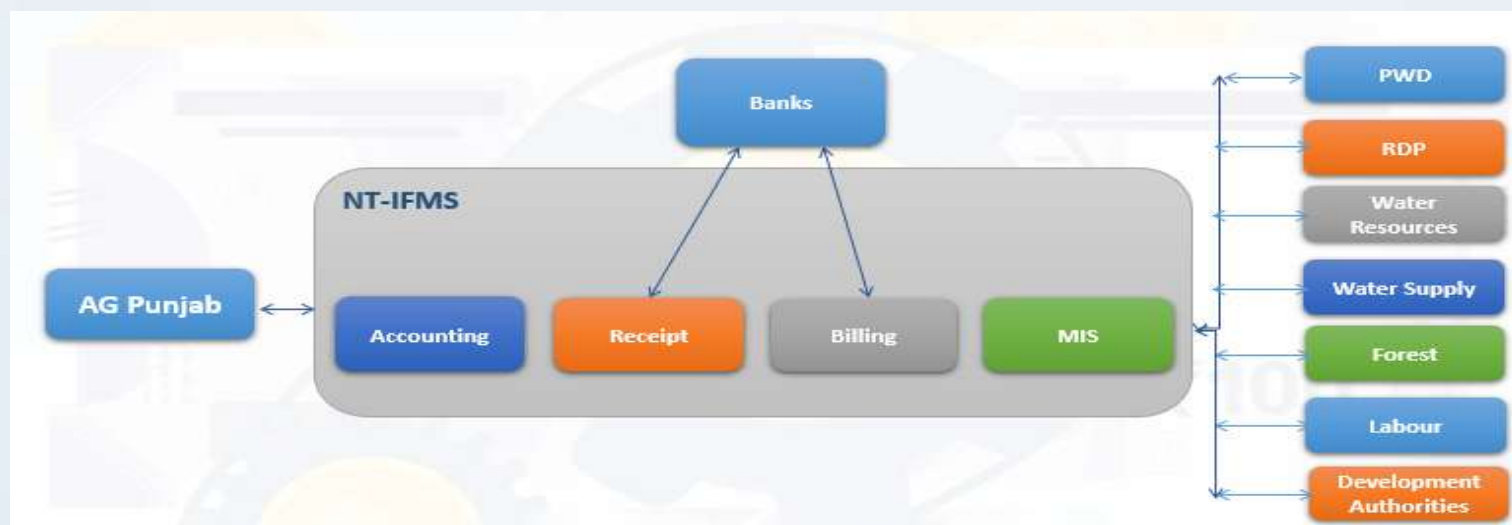
Single Nodal Agency (SNA) is responsible for managing funds for Centrally Sponsored Schemes (CSS).

Implementing Agencies (IAs) are responsible for making payments to vendors and beneficiaries

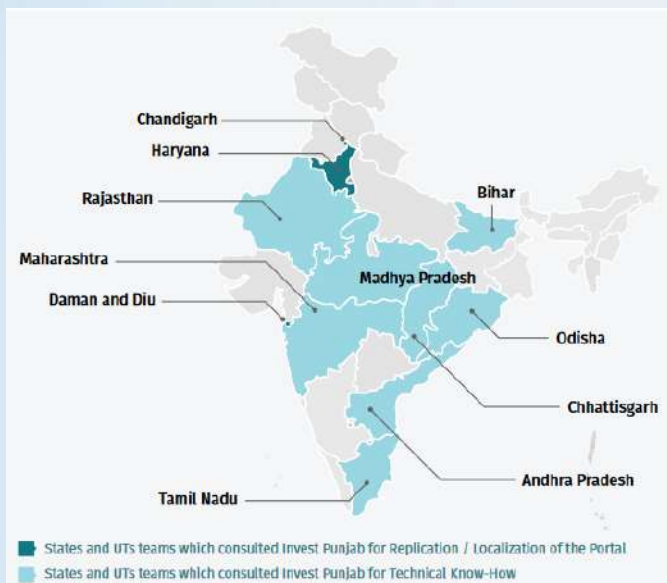
**2025-26**  
State Linked Schemes processed: 84  
Bills processed: 17,590  
Amount of Bills processed: 1078.53Cr

Works Accounting System is a specialized financial management tool designed to handle the accounting needs of construction and infrastructure projects.

Handles funds that are not routed through Treasuries.  
Funds are held in the bank accounts of the Department.  
Funds are processed directly by the respective Departments.



Fast Track Punjab is a user-friendly state of art portal to facilitate new and existing investors of Punjab to obtain Regulatory Clearances & Fiscal Incentives for setting up and running businesses in the State of Punjab.



It holds more than 25,372 projects with proposed investment of 78,39,865 crore and employment of 17,31,952. Using the portal, member departments have processed more than 9,21,818 clearances till date.

## Fast Track Statistics

Total Projects: 25,372

Proposed Investment: 78,39,865

Proposed Employment: 17,31,952

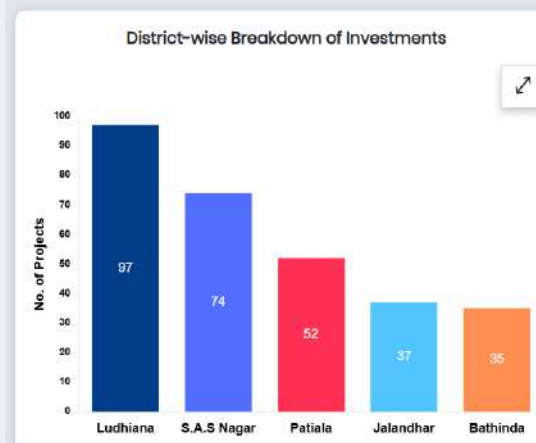
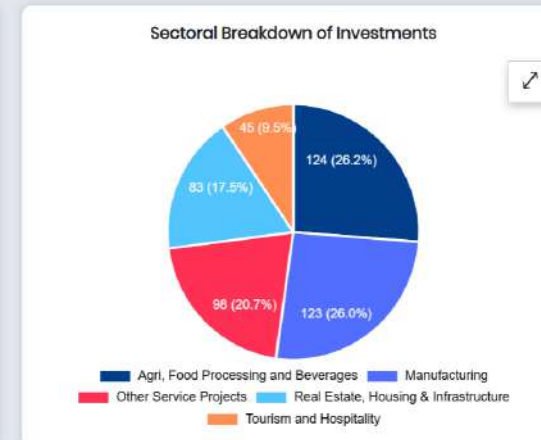
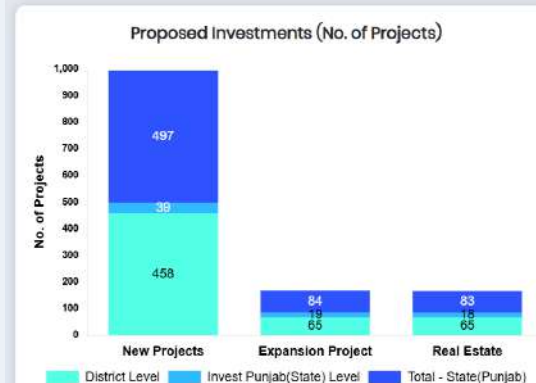
Regulatory Applications: 9,21,818

Incentive Applications: 11,594

Total No. of Investors: 1,75,497

Total No. of Officials: 4,910

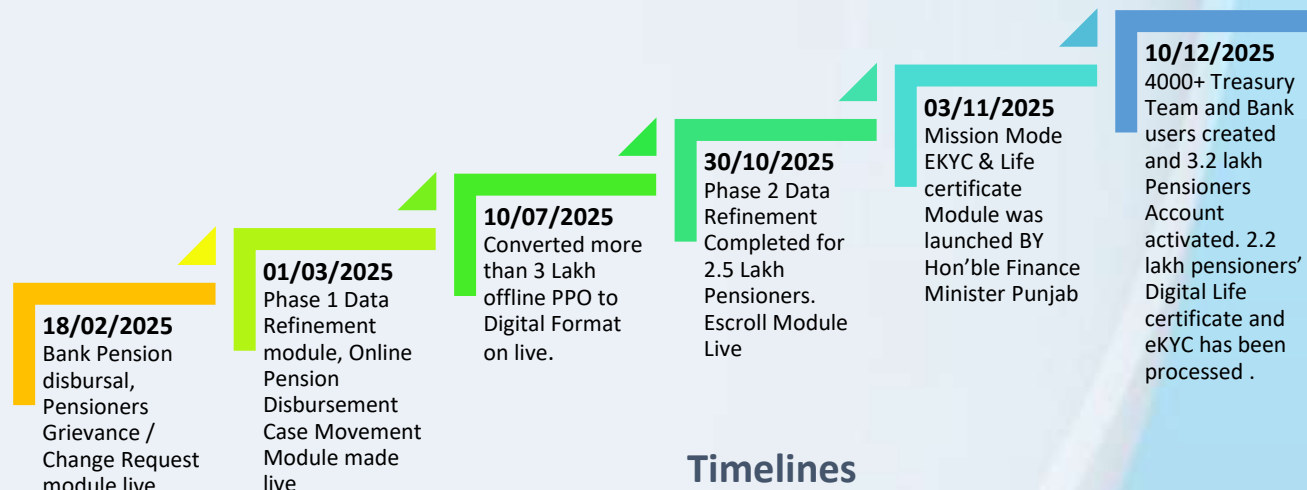
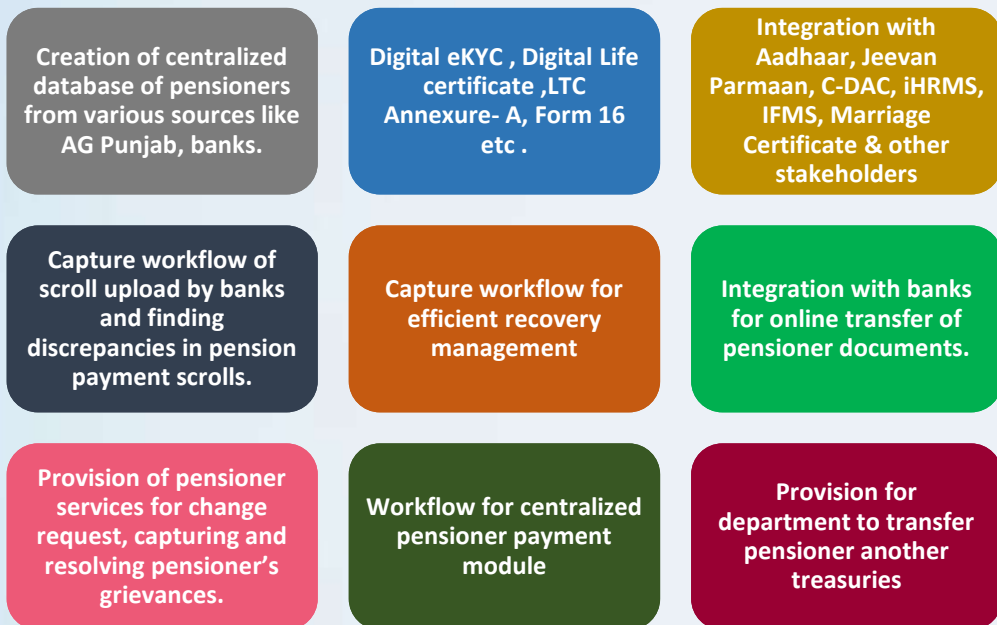
Stakeholder Departments: 46



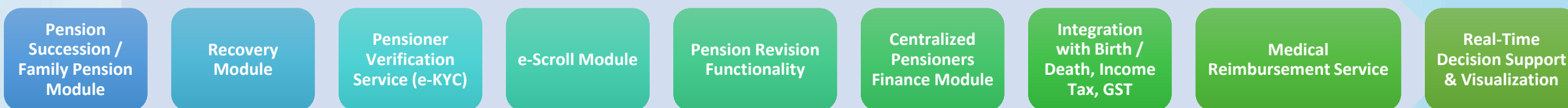


Serves as a comprehensive platform for pensioners, offering a one-stop solution to access various pension-related services. Can view their pension details, entitlements, profile information among other features. Further it also addresses the gaps existing in State's current Pension Processing & Disbursement Process.

## Objectives



## Timelines



## Way Forward



Provides simplified, responsive, effective and transparent working in  
Government offices for Inter-Government and Intra-Government transactions and processes

## IMPLEMENTATION (10,000 Offices)

110

Departments

(More than 1000+ offices)

200+

Directorates/  
Corporations/  
Educations

23

DC Offices

23.5 lakh

eFiles

110.51 lakh+

eReceipts

62500 +

Users

- ✓ eOffice Adopted as Service
- ✓ eOffice Portal URL:
- ✓ Launched YouTube channel
  - ✓ 1.75 lakh views
  - ✓ 25000+ watch hours
- ✓ 11 eOffice instances (25000+ active users in one of instance, one of the leaders across India)
- ✓ Intra instances movement
- ✓ Integration with other major applications like HRMS, CM Niradesh
- ✓ Awarded with CSI Nihilent, Skotch, Digi Gov, eLets etc.
- ✓ Applications/Utilities Developed: eOffice Dashboard, Training Calendar, Training feedback form, EMD Data Collection, Identity Card Issuance System, Verification Document, Tracking of File movement, MPR data
- ✓ Deployed in NIT Jalandhar own Data Centre
- ✓ eOffice Implemented in AIIMS Bathinda and IIT Ropar.

### DC Offices

<https://eofficedistrict.punjab.gov.in>

Users: 7092+

Receipts: 36.27 Lakhs+

eFiles: 6.70 Lakhs+

### Departments

<eofficestate.punjab.gov.in>

Users: 30095 and+

Receipts: 51.87 Lakhs+

eFiles: 10.24 Lakhs+

### Health

<eofficehealth.punjab.gov.in>

Users: 237 +

Receipts: 7754 Thousand+

eFiles: 7461 Thousand+

### Boards & Corp.

<eofficebnc.punjab.gov.in>

Users: 12610 +

Receipts: 12.16 lakhs+

eFiles: 3.48 lakhs +

### Police

<eofficepolice.punjab.gov.in>

Users : 6796 +

Receipts: 7.46 Lakhs+

eFiles: 1.22 Lakhs+

### Universities (All)

<eofficeedu.punjab.gov.in>

Users : 4451 +

Receipts: 2.12 Lakhs+

eFiles: 1.48 Lakhs+

### NIT Jalandhar

<eoffice.nitj.ac.in>

Users: 303 +

Receipts: 2024+

eFiles: 3066+

### Milkfed

<eofficeverka.punjab.gov.in>

Users : 333 +

Receipts: 17632 Thousand+

eFiles: 2942

### AIIMS BATHINDA

<eoffice.aiimsbathinda.edu.in>

Users: 110

Receipts: 30440 +

eFiles: 5430 +

### IIT ROPAR

<eoffice.iitrpr.ac.in>

Users: 277

Receipts: 5744 +

eFiles: 2750 +

### BBMB

<bbmb.eoffice.gov.in> <eoffice.bbmb.gov.in>

Users: 1000

Receipts: 56820 +

eFiles: 25162 +

## eOffice Journey

- ✓ Project Initiated in District Mansa [URL: eofficedistrict.punjab.gov.in](http://eofficedistrict.punjab.gov.in)
- ✓ Training Instance Deployed [RL: eofficetrg.punjab.gov.in](http://eofficetrg.punjab.gov.in)
- ✓ Funds Received: Rs. 2.41 Cr.

- eOffice Launched in entire State by Chief Minister of Punjab.
  - 200 Offices On-Boarded
  - 65000 Users on-boarded
- ✓ eOffice Implemented in 5 States in CBIC (Approx 1100 Users)

- ✓ Replication of eOffice in CBIC in PAN India for 5,000 users
- ✓ [cbiceoffice.gov.in](http://cbiceoffice.gov.in)
- ✓ Deployed in NDC
- ✓ Project Cost: 40 Cr.

2014

2015-2017

2017-2019

2020

2021

2023-2024

2025

- ✓ Replicated in rest of the 21 Districts.
- ✓ Total Funds Received: 26.46 Cr.
- ✓ Hardware Procured (893 Desktop, 745 UPS, 413 MFP, 42 Scanners)
- ✓ Network – 4113 nodes installed
- ✓ 22 Training Labs Established
- ✓ 22 Central Registry Unit's Established.
- ✓ eOffice Implemented in Verka Department [eofficeverka.Punjab.gov.in](http://eofficeverka.Punjab.gov.in)

- Additional 9 instances deployed at State Data Centre, Punjab as listed
  - [eofficestate.punjab.gov.in](http://eofficestate.punjab.gov.in)
  - [eofficebnc.punjab.gov.in](http://eofficebnc.punjab.gov.in)
  - [eofficeedu.punjab.gov.in](http://eofficeedu.punjab.gov.in)
  - [eofficepolice.punjab.gov.in](http://eofficepolice.punjab.gov.in)
  - [eofficehealth.punjab.gov.in](http://eofficehealth.punjab.gov.in)
  - [eofficeverka.punjab.gov.in](http://eofficeverka.punjab.gov.in)
  - [eofficedistrict.punjab.gov.in](http://eofficedistrict.punjab.gov.in)
  - [eoffice.aiimsbathinda.edu.in](http://eoffice.aiimsbathinda.edu.in)
  - [eoffice.iitrpr.ac.in](http://eoffice.iitrpr.ac.in)
- LDAP Created
- One stop solution portal launched <https://eofficeportal.punjab.gov.in>

- ✓ State Instance shifted to 3-tier Architecture
- ✓ New LDAP Created
- ✓ eOffice Shifted to SSO

- IMPLEMENTED IN IIT Ropar (Funds Received: 1.97 CR) (Inauguration on 21-03-2025)**
- ✓ eOffice Migration for eOffice OLD to eOffice New Gen v7.x Implemented in AIIMS Bathinda
- ✓ HMAC enabled Instances

- ✓ BBMB eOffice migration completed; now hosted in PSDC.
- ✓ Centralized e-Sign server implemented in Punjab.
- ✓ Sparrow implemented in AIIMS Bathinda.

Server Monitoring System				
SERVER	PORT STATUS	STORAGE STATUS		LOAD AVERAGE STATUS
<b>BNC APP1</b> IP :10.44.250.132 Host Name :efileserv	<b>EFILE Service (Port: 8181) is Running</b> <b>EFILESERVICES Service (Port: 7007) is Running</b>	Filesystem Used Available / 32% 63G /eOffice 69% 64G /Uploads 11% 63G		Last Minute Average Load <b>4.35</b> % Last 5 Minutes Average Load <b>9.71</b> % Last 15 Minutes Average Load <b>9.71</b> %
<b>BNC APP 2</b> IP :10.44.250.133 Host Name :portalserv	<b>nginx Service (Port: 443) is Running</b>	Filesystem Used Available / 12% 81G /eOffice 4% 97G /Uploads 11% 81G		Last Minute Average Load <b>6.67</b> % Last 5 Minutes Average Load <b>6.07</b> % Last 15 Minutes Average Load <b>5.53</b> %
<b>BNC APP 3</b> IP :10.44.250.134 Host Name :app3	<b>MDM Service (Port: 6081) is Running</b> <b>MIS Service (Port: 5051) is Running</b>	Filesystem Used Available / 31% 63G /eOffice 36% 33G		Last Minute Average Load <b>1.60</b> % Last 5 Minutes Average Load <b>0.82</b> % Last 15 Minutes Average Load <b>0.67</b> %
<b>HEALTH WEB AND APP</b> IP :10.44.250.135 Host Name :healthappweb	<b>EFILE Service (Port: 8181) is Running</b> <b>EFILESERVICES Service (Port: 7074) is Running</b> <b>MDM Service (Port: 6081) is Running</b> <b>MIS Service (Port: 5051) is Running</b> <b>PIMS Service (Port: 8084) is Running</b>	Filesystem Used Available / 35% 60G /eOffice 44% 86G /Uploads 4% 60G		Last Minute Average Load <b>0.83</b> % Last 5 Minutes Average Load <b>1.25</b> % Last 15 Minutes Average Load <b>1.25</b> %
<b>VERKA WEB AND APP</b> IP :10.44.250.136 Host Name :WebbAppserver	<b>EFILE Service (Port: 8181) is Running</b> <b>EFILESERVICES Service (Port: 7074) is Running</b> <b>MDM Service (Port: 6081) is Running</b> <b>MIS Service (Port: 5051) is Running</b>	Filesystem Used Available / 37% 58G /eOffice 35% 33G /Uploads 1% 58G		Last Minute Average Load <b>1.20</b> % Last 5 Minutes Average Load <b>1.25</b> % Last 15 Minutes Average Load <b>1.12</b> %
<b>DISTRICT WEB</b> IP :10.44.250.137 Host Name :localhost.localdomain	<b>nginx Service (Port: 443) is Running</b>	Filesystem Used Available / 11% 82G		Last Minute Average Load <b>1.06</b> % Last 5 Minutes Average Load <b>1.25</b> % Last 15 Minutes Average Load <b>1.12</b> %
<b>DISTRICT APP 1</b> IP :10.44.250.138 Host Name :eoffice_District_app	<b>EFILE Service (Port: 8181) is Running</b> <b>EFILESERVICES Service (Port: 7074) is Running</b>	Filesystem Used Available / 32% 63G /eOffice 75% 26G /Uploads 5% 63G		Last Minute Average Load <b>5.95</b> % Last 5 Minutes Average Load <b>5.25</b> % Last 15 Minutes Average Load <b>4.95</b> %
<b>DISTRICT APP 2</b> IP :10.44.250.139 Host Name :localhost.localdomain	<b>MIS Service (Port: 5051) is Running</b> <b>MDM Service (Port: 6081) is Running</b>	Filesystem Used Available / 15% 78G /eOffice 54% 24G		Last Minute Average Load <b>0.20</b> % Last 5 Minutes Average Load <b>0.25</b> % Last 15 Minutes Average Load <b>0.35</b> %

- We monitor 250+ servers of projects(e-Office, LBPAMS, Sports, SPARROW, E-sign, SMS) in one centralized dashboard.
- The system shows real-time service and port status for every server.
- It provides live storage usage and availability details.
- Helps ensure continuous uptime by alerting when any service stops or load increases.



## Centralized e-Sign server implemented for all projects

**Client Request Details**

File Type \*  
PDF

Upload File  
sample.pdf [Select File](#)

Signatory Name \*  
abcde

Auth Token \*  
7d0eca69-153c-407a-9355-9195e12ad122

Reference Number \*  
5859652609

Signature Type \*  
☐ Digital Signature
 ☐ eSign V3
 ☐ eSignature
 ☒ eSign V2

eMudra V2 Signature Appearance  
Standard

Authentication Mode \*  
One Time Password (OTP)

Example Sign  
 Signed by: Aadhaar Test Appearance  
 Date: 2023.09.14 15:23:32 +05:30  
 Signed by: Aadhaar Test Appearance  
 Date: 2023.09.14 15:23:32 +05:30

☐ Enable eSign Gateway Custom UI  
☐ Enable Dynamic Content

Select Page \*  
First

Signature Position \*  
Bottom-Right

OR

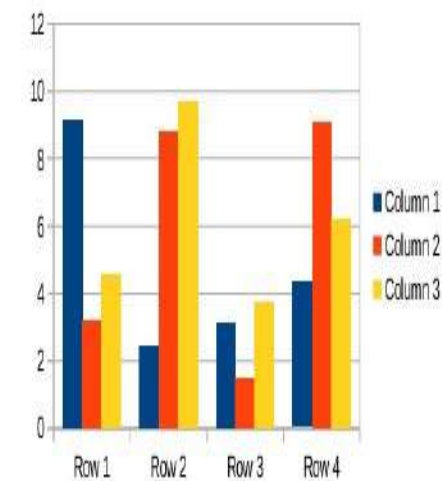
Search Text  
Enter search text

Anchor  
Middle

[Reset](#) [Send Request](#)

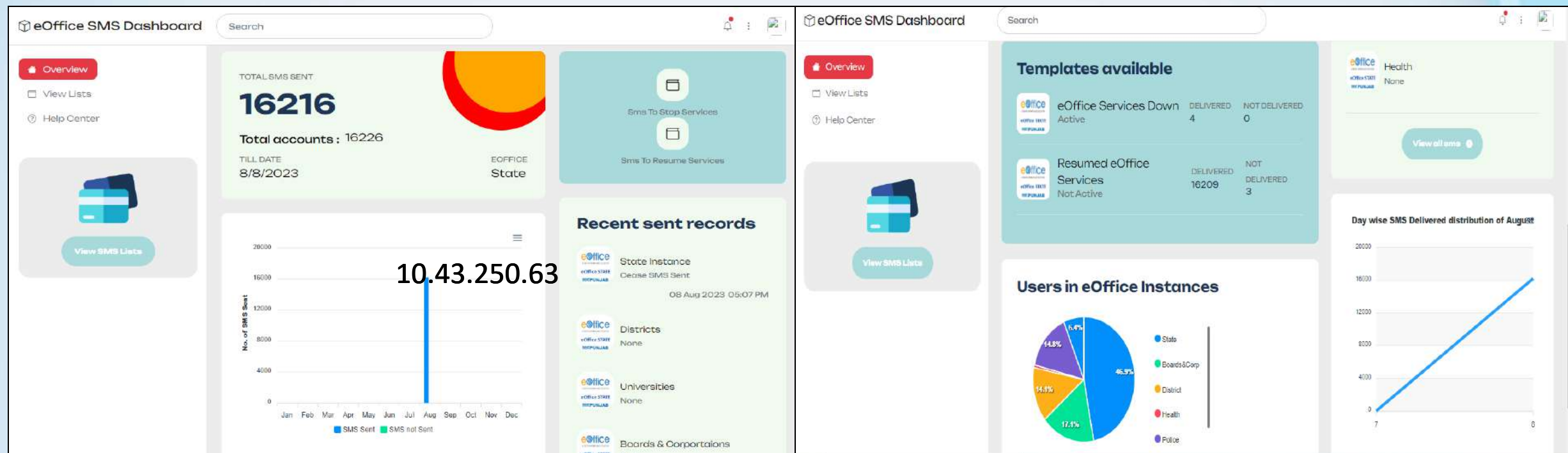
© eMudra Limited. All Rights Reserved.  
For terms of service, privacy policy and disclaimer, please visit [www.emudra.com](http://www.emudra.com)

Maecenas tincidunt est efficitur ligula euismod, sit amet ornare est vulputate.



Signed by: ABCDE  
Date : 11-12-2025  
13:30:24

## SMS Dashboard

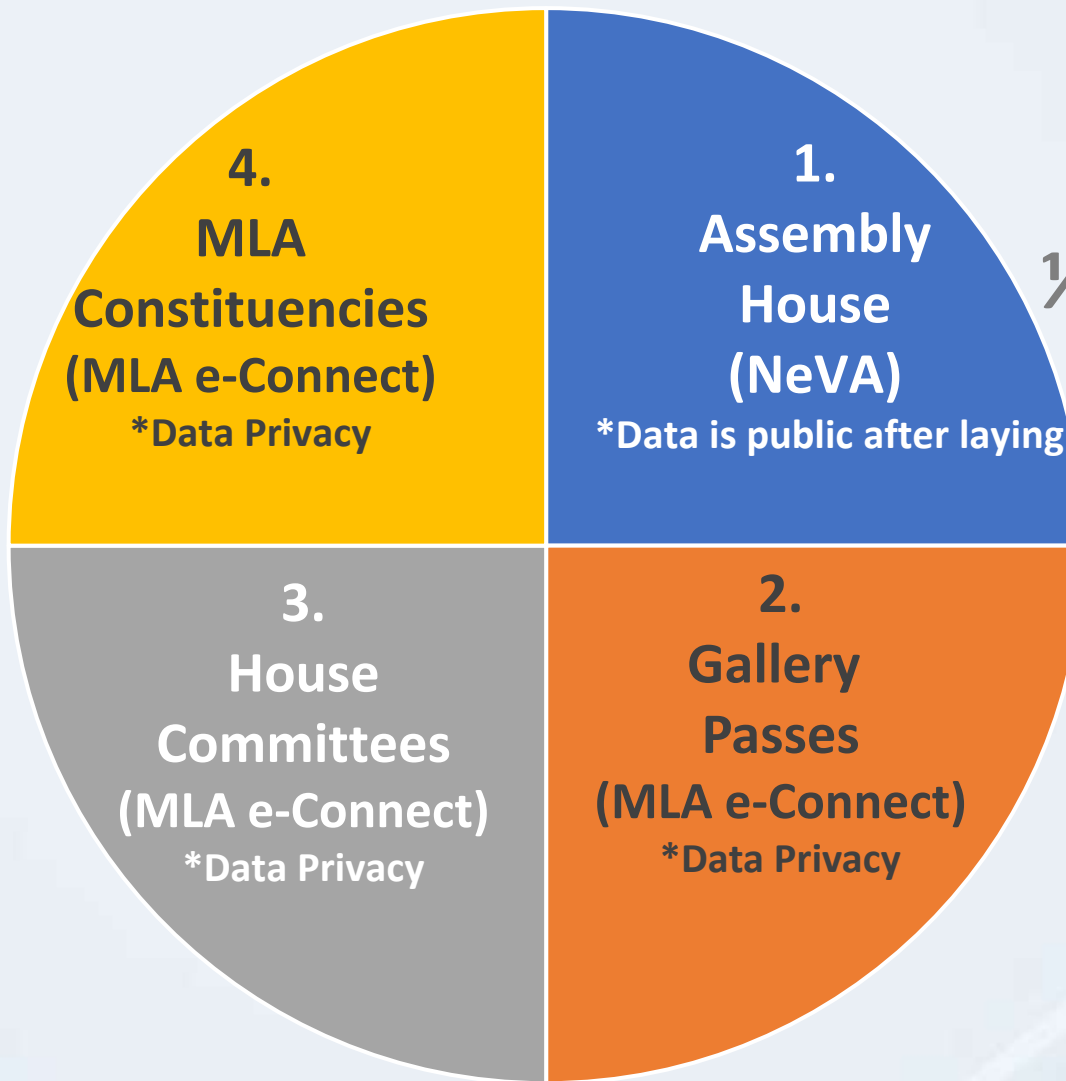


- SMS Dashboard facilitates real-time alerts to users.
- Alerts triggered when eOffice Services are about to pause or resume
- Users receive advance notification about impending service downtime.
- Instance wise SMS Analytics.
- SMS Statistics

## Punjab Vidhan Sabha moving towards a Complete e-Solution

**MLA e-Connect**  
**¾ Automation**

**NeVA**  
**¼ Automation**



 **Backup Facility during Session for House Documents**

 **Digital Compendium of Hon'ble Members**



## Parameterized and configurable application

### CMS

Specially Developed  
Content  
Management  
System for PPSC

### Responsive Design

compatibility  
with all types of  
devices

### Admin Area

- ✓ Advertisement Creation
- ✓ User Management
- ✓ Access Control
- ✓ Conduct of Examination
- ✓ Information disseminate



CSI Nihilent e-Governance Awards 2017  
under Best eGovernance Project

### Advertisement

- ✓ Creation
- ✓ Schedule
- ✓ Approval
- ✓ Publish
- ✓ Rejection

### Candidate Area

- ✓ Apply for the Post
- ✓ Online Pay Fees
- ✓ Download Admit Card
- ✓ View Result
- ✓ SMS/Email Integration

### Security

- ✓ SSL enabled
- ✓ Enhanced encryption techniques
- ✓ SMS / E-mail alerts



**Advertisement Published**  
324



**Registered Candidates**  
8,24,568



**Payment Transactions**  
5,95,106

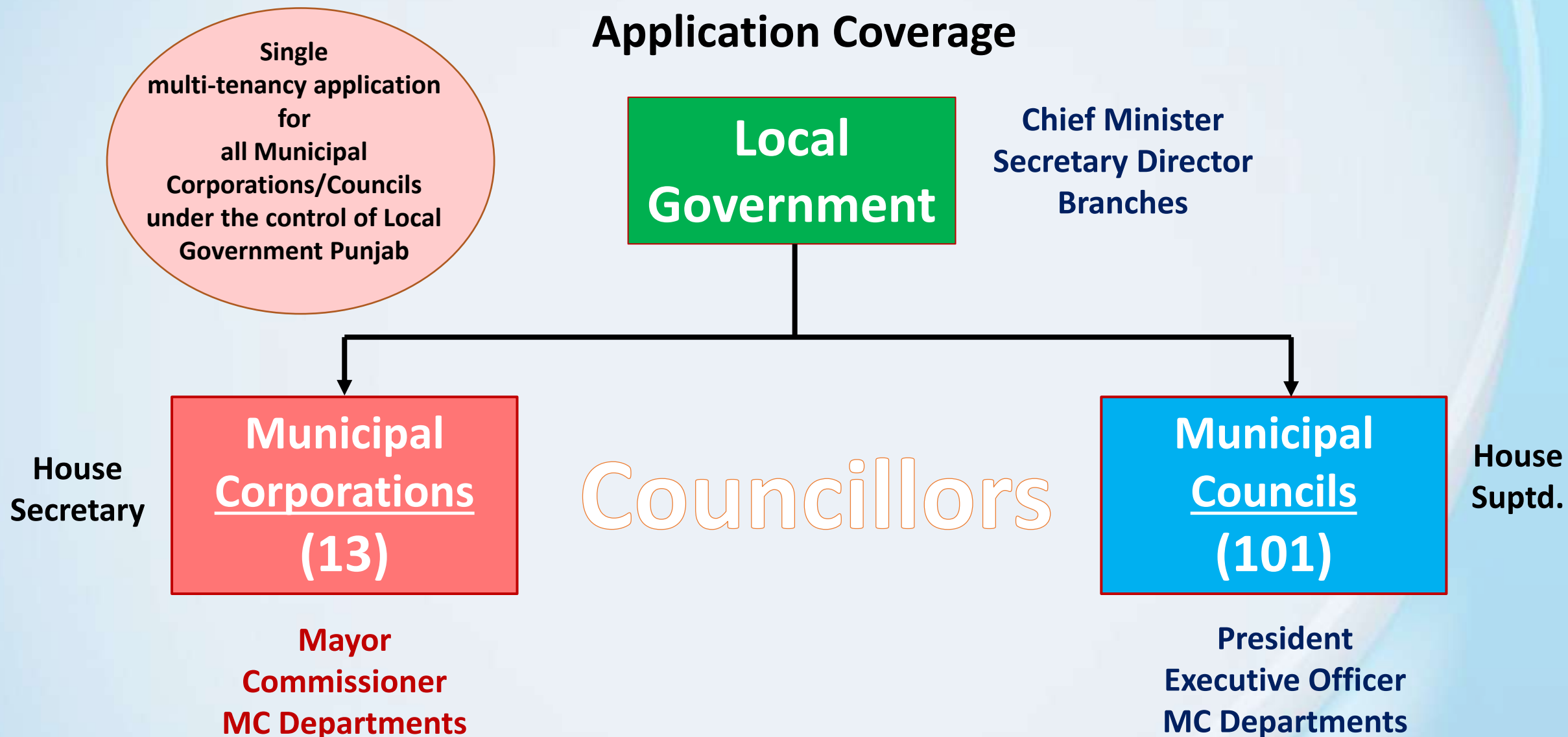


**Admit Card Issued**  
5,44,248





## Application Coverage



## At each MC level:

- The proposals and various requests are submitted by the Councillors to the concerned MCs.
- After scrutiny and adding estimates/other necessary documents, the proposals are sent to the House Secretary through the hierarchy starting from HoD, Joint Commissioner, Commissioner and Mayor of the concerned MC.
- Agendas are prepared and resolutions are passed by the concerned MCs.
- After adding Commissioner comments, each Municipal Corporation/Council submits the resolutions to the Local Government for approval.

\*  
A cloud based Configurable Product for  
delivering public websites and  
authorised web portals for Local  
Government and MCs using Parichay  
Single Sign-On

\*  
Automate the process involved in  
working of House of the Municipal  
Corporations (13) and Municipal  
Councils (101) of Punjab including  
House Committee (F&CC) and managing  
Ward Areas by the Councillors.

## e-Ward Area Management

- Councillors may send complaints, information or demands of wards to the respective MCs and know the action taken on their requests.
- Ward-wise Monitoring of projects/works

## At Local Government level:

- The Director LG has options either for approval, rejection, sending back for clarification, taking comments from experts at State level or sending for approval to the higher authority of Local Govt. viz. Secretary, Minister and Chief Minister.
- After approval of the resolutions, the Local Govt. authority has to monitor the implementation of approved resolutions in various Municipal Corporations/Councils of Punjab.
- Local Govt. authorities has option to monitor the activities of Wards in each MC of the Punjab.

**One State One Application**  
**First of its kind in India**  
**Implemented at MC Mohali**  
**Pilot test at MC Zirkepuri and LGD**

**Easy Registry eliminates unnecessary delays and hardships for citizens in registration of properties and document in Punjab**



## Citizen Benefits

- Provision for online Registration and enabling citizen to submit the document electronically for property registration.
- Easy Registry allows Citizen to pick any sub-registrar office within their district, offering unprecedented flexibility and convenience.
- 48 hours timeline for Sub-Registrar office to verify the submitted documents.
- Online valuation module with stamp duty calculation.
- Token Management System developed and integrated with the online appointment system.
- WhatsApp & SMS facility to send alerts to citizens and departmental users.

**Punjab is the first State of India in Implementing Easy Registry and NGDRS.**

- ✓ Easy Registry (NGDRS 3.0) implemented in 2025
- ✓ NGDRS Operational in the entire state since 2017.
- ✓ Online valuation module with stamp duty calculation.
- ✓ Role based access to citizens and department users.
- ✓ WhatsApp and SMS alerts to the citizens & departmental users.
- ✓ Email enabled alerts to citizens & users.
- ✓ Linkage with Land records system, Payment Gateway and Stock Holding Corporation OF India Limited (SCHIL).
- ✓ Daily, Monthly & yearly MIS reports and cash book/account related reports.

## Old DISE

DISE is a randomization software based on Client/Server architecture for Election Department for formation of various parties/teams, EVM machines etc. as per ECI guidelines and has been developed using Microsoft Technology. The software is designed to handle Assembly, Parliament, Panchayat and Municipal Elections. DISE-MC, DISE-GP and DISE-ZP are randomization softwares developed for State Election Commission to handle Elections for Municipal Corporation, Zila Parishad and Gram Panchayat Elections respectively.

Besides Punjab, DISE was used in Himachal Pradesh, Karnataka, Delhi, Chandigarh, Mizoram and Manipur

## Challenges of Client/Server DISE

Technology old and obsolete.  
Compatibility issues

Difficulty in maintenance and support

Seagate Crystal reports is out-of-date

Data entry and consolidation is difficult.

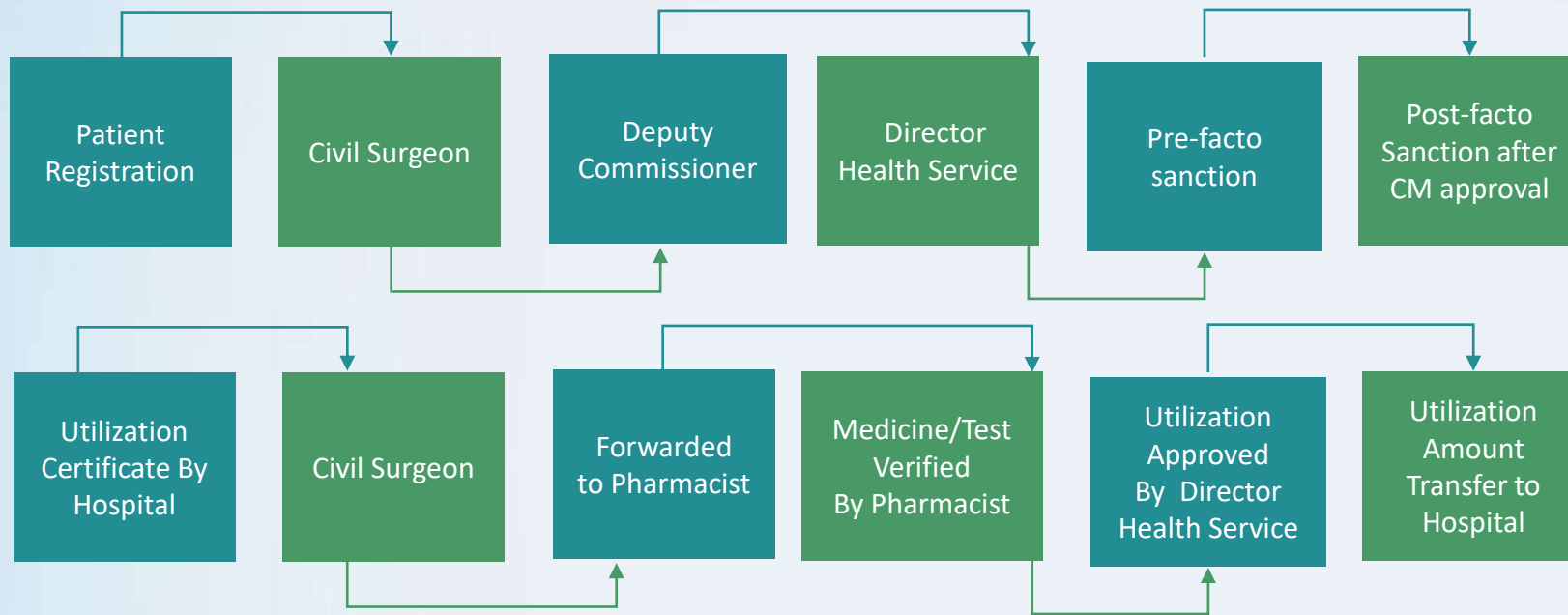
Installation and configuration is difficult because of obsolete technology

- Web-based Application for importing available employees' data from iHRMS/ Treasury using APIs/ CSV/ Excel files.
- Random distribution of staff among various venues and scheduling of rehearsals.
- Management of Exemptions, Absentees & Cancellations etc.
- Generation of Duty Orders, Form 12, 12A and EDC etc.
- Identity cards with photo for staff deployed on election duty.
- Flexibility to tweak selection criteria depending upon the availability of staff in the districts.
- Role based Dashboards and various types of reports.
- Regular alerts and updates to the stakeholders using SMS.
- AI model for detecting discrepancies in submitted data (Gender Classification AI model)

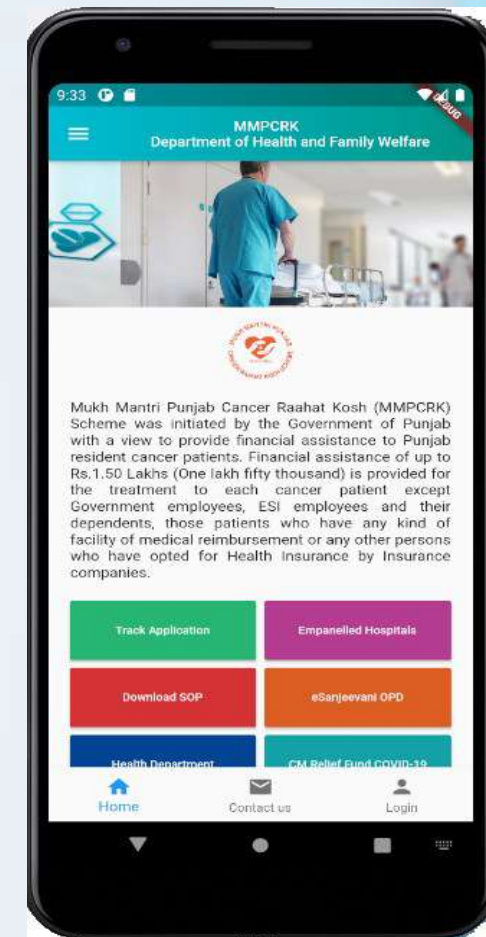
## Current Successful Implementation

- Implemented successfully in Punjab for General Election'24 to Loksabha, covering 13 PCs, 23 districts, 117 ACs and 24522 polling stations.
- Replicated successfully for Loksabha 2024 Elections in Himachal Pradesh for all 4 PCs, 68 ACs and 7618 polling stations.
- Replication has been successful for Loksabha 2024 Elections in UT Chandigarh for single PC having 599 booths.
- It has also been successful for By-polls to various Assembly Constituencies in Punjab and Himachal Pradesh.
- NCT Delhi has tested the software during Lok Sabha elections and it will be implemented in Delhi, Karnataka, Manipur, Mizoram and other states desirous of adopting the solution..

## Flow of Application



## Features



23440

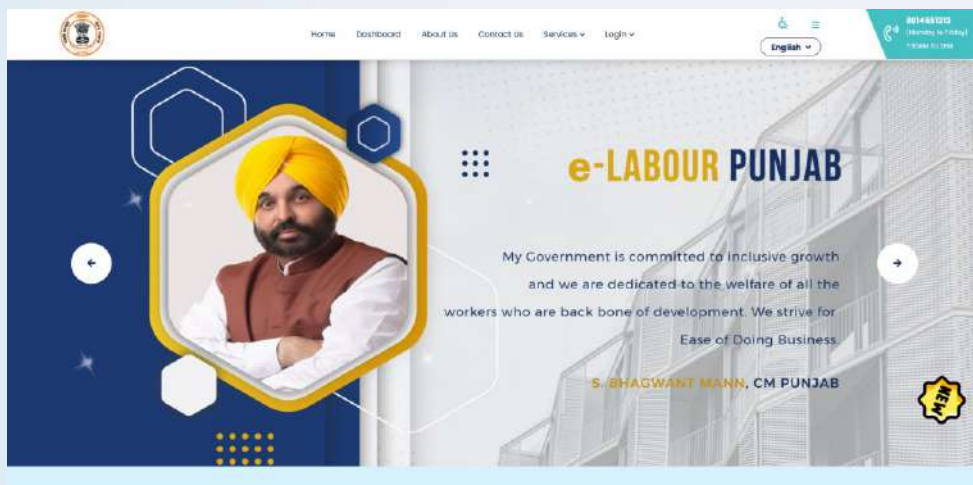
Patient Registered

19

Empaneled Hospitals



**eLabour Punjab is a complete suite of applications required for different wings (i.e. Labour Wing, Factory Wing, Punjab Labour Welfare Board and Building & Other Construction Board) of Department of Labour, Govt. of Punjab.**



#### eLabour Statistics Till 30 Nov, 2025

Regulatory Clearance Approved: 1,47,465

Factory Act Inspections: 27,980

Labour Act Inspections: 27,194

BOCW Worker Registrations: 11,46,754

BOCW Scheme Applications Processed:  
5,80,945

Labour Welfare Board Applications  
Processed: 34,580

#### Impact/Benefits

**Auto disbursement of benefit schemes to Industrial and Construction Workers, Construction CESS Calculation and deposit through Single portal only, Online submission and processing of benefit schemes, Deemed Approval**

#### Various Clearances

Combined Building Plan, Stability Certificate, Factory License Registration Renewal, Contract Labour Licenses, Contract Labour Registrat & Renewal, Shop & Commercial Establishment, Registration & ions, Inter State Migrant Workmen, Registration of Establishment under BOCW Act, Building Plan Approval, Motor Transport Workers Act, Registration/Renewal under, The Trade Union Act.

## Key Features



Capturing of data  
for entire Lifecycle  
of case



Track different cases  
Prepare cause-list



Auto updation of Cases  
from Punjab and  
Haryana High court



Districts Covered  
23



High Courts  
1



District Courts  
80



Tribunals Courts  
7



Cases Registered  
98364



Pending Cases  
66065



Disposed Cases  
32299



Number of Users  
4112





## ICT based online State Excise, End-to-End Supply Chain Management.

### KEY SERVICES

License  
Management

Issuance of Permit  
and realisation of  
revenue

Track & Trace and  
Enforcement  
Management

Import/Export and  
Transport  
management

Inventory  
Management

Hologram based  
Authentication of  
Packaged Liquor

### IMPACT

- Better EoDB Services
- Ensure all types of Alcohols are sources and sold through legal channel
- Better monitored enforcement activity through Daily Preventive Raids Information System, Criminal Information system
- Reduction in Service Delivery Time

### KEY SERVICES

Automated Supply  
chain Management

360 degree profile  
of license, Permit  
and Pass

Reduction in  
delivery time by  
90%

Reconciliation of  
every drop of Spirit

Enforcement  
Management

Pendency Check at  
all levels

Provides 70+ online services

2.47 crore+ Transactions

7729 Excise License

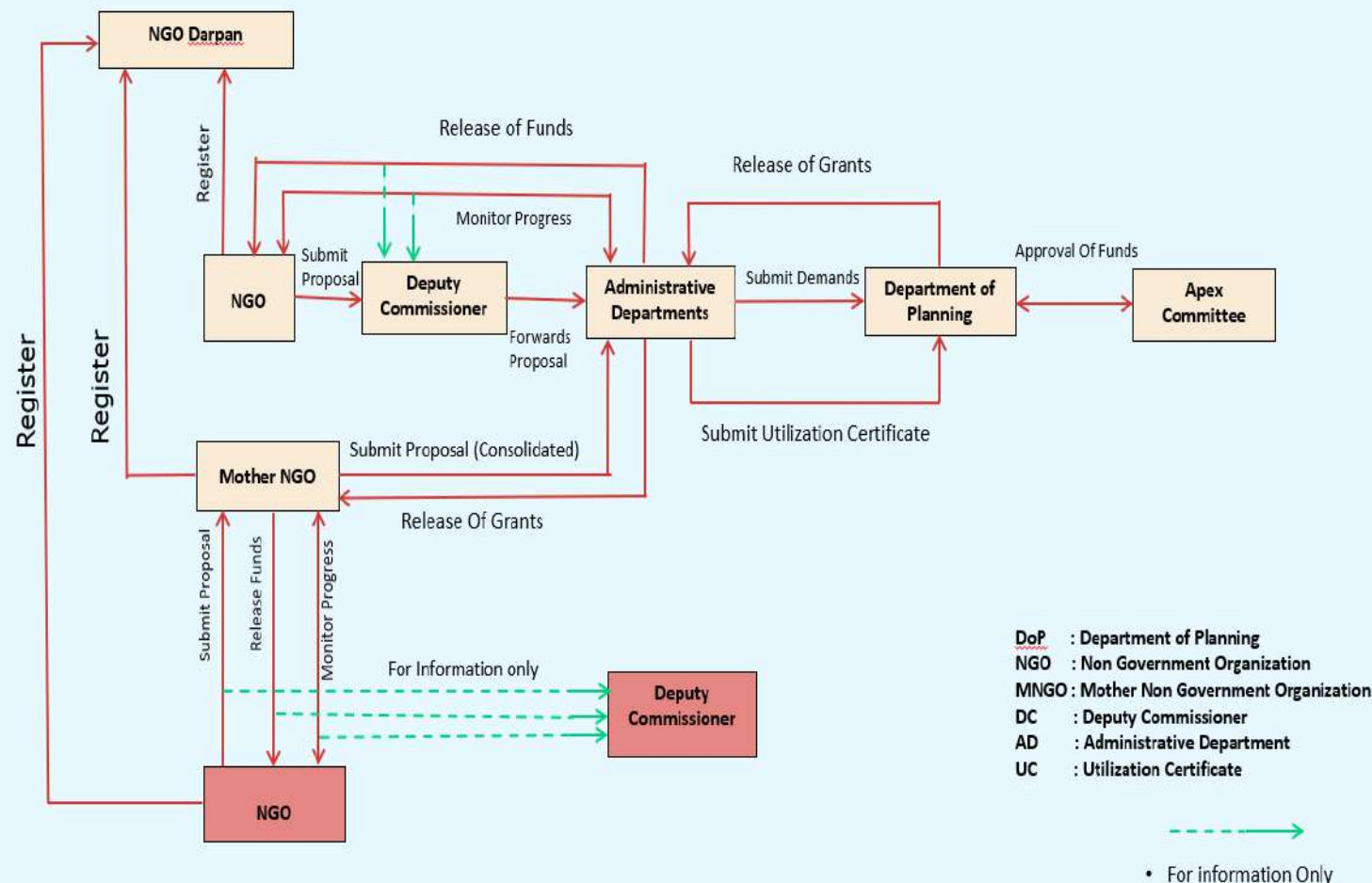
26867 Registered Users

20 Lakh+ Permits/Pass/EVC Issued

98 Lakh + Portal Hits

## NGRAM

NON-GOVERNMENT ORGANIZATION GRANT MONITORING



## Functions

- NGO Registration.
- Submission of Proposal by NGO/MNGO.
- Forwarding the Proposal by DC/MNGO to AD after verification of Proposal.
- Submission of Consolidated Demand to DoP by AD/MNGO.
- Approval/Acceptance by Apex Committee.
- Release of Funds by DoP to AD/MNGO.
- Release of Funds to NGO/MNGO by AD/DoP.
- Submission of Progress Report by NGO/MNGO.
- Monitoring of NGO work progress by AD/MNGO.
- UC by NGO to AD/MNGO.
- Forwarding of UC by AD/MNGO to DoP.

## Work Flow

- NGO Registers on NGRAM Portal to get Login Credentials using NGO Darpan Portal Unique Registration ID.
- Submission of Proposal by NGO/MNGO to DC.
- Forwarding the Proposal by DC/MNGO to AD after verification of Proposal.
- Submission of Consolidated Demand to DoP by AD.
- Approval/Acceptance by Apex Committee.
- Release of Funds by DoP to AD.
- Release of Funds to NGO by AD/MNGO and information about this is Reflected to DC.
- Submission of Progress Report by NGO/MNGO and same is Reflected to DC.
- Monitoring of NGO work progress by AD/MNGO and information about this is Reflected to DC.
- UC by NGO to AD/MNGO and reflected to DC.
- Forwarding of UC by AD/MNGO to DoP.

**The following Vahan & Sarathi services are integrated with Sewa Kendra through API**

## Sarathi Services

S.No.	Name of the Service
1	Application for Learner License (LL).
2	Change of Address in Learner License.
3	Change of Name in Learner License.
4	Issue of Duplicate Learner License.
5	Issue of Duplicate Driving License (DL)
6	Renewal of Driving License for which test of competence to drive is Not required.
7	Replacement of Driving License.
8	Change of Address in Driving License.
9	Change of Name in Driving License.
10	Change of Date of Birth in Driving License.
11	Driving License Extract provisioning.
12	Surrender of Class of Vehicle from License.
13	Extension of Learner License
14	Issue of Public Service Vehicle (PSV) Badge to Driver.
15	Renewal of Conductor License.

S.No.	Name of the Service
16	International driving Permit
17	Endorsement to drive in Hill region
18	Driving license Endorsement to drive hazardous material
19	Issue of Duplicate Conductor License
20	Conductor License Extract Provisioning
21	Change of Address in Conductor License
22	Change of Name in Conductor License
23	Learner License Extract
24	Change of Biometrics in Conductor License
25	Change of Biometrics in Driving License

**The following Vahan & Sarathi services are integrated with eSewa Kendra through API**

## Vahan Services

S.No.	Name of the Service
1	Application for issue of duplicate Certificate of Registration (RC).
2	Application for Grant of No Objection Certificate (NoC) for Certificate of Registration.
3	Change in Address in Certificate of Registration.
4	View Registration Certificate (RC) particulars against fee.
5	Application for Transfer of Ownership of motor vehicle (non-Transport)
6	Payment of additional Life Time Tax (Transfer of ownership Case).
7	Endorsement of hire-purchase agreement.
8	Update Mobile Number in record for transport services.
9	Issue of Duplicate Fitness certificate.
10	Issuance of fitness Certificate for Commercial vehicle – (Three-wheeler or Quadricycle or LMV).
11	Issuance of fitness Certificate for Commercial vehicle – (Medium Motor vehicle Manual/automated).
12	Issuance of fitness Certificate for Commercial vehicle – (Heavy Motor vehicle Manual/automated).
13	Continuation of hire-purchase agreement. (This service is available with Transfer of Ownership/ Change of Address)
14	Termination of hire-purchase agreement.
15	Alteration of vehicles

S.No.	Name of the Service
16	Online Permit and it's allied services(Total Services Implemented-11)
17	Trade certificate module with Advanced Possession tax with integration of society fees.

## Launch

- Mohali Smart City ITMS has been successfully integrated with eChallan ITMS. The project was launched by S. Bhagwant Singh Maan, Hon'ble Chief Minister of Punjab on 6th March 2025

## Key Developments

- eChallan application was launched on August 2023 by using POS machine for Traffic & Transport
- Integrated with Axis Bank Payment Gateway
- Integration of Jalandhar, Amritsar Smart Cities ITMS with eChallan ITMS Completed
- Integration of Speed Gun (Interceptor) ITMS with eChallan ITMS is under process, UAT is awaited
- Integration of eChallan with Virtual Court for Mohali Circle under SAS Nagar for CCTV challans has successfully been done. The module is under testing with the Virtual Court team.

## Demonstrations:

- DEMO on Virtual Court given in November & December 2024
- DEMO on e-Detection Module given in November 2024

## e-Detection at Toll Plaza

Implementation of e-Detection is under process

## Virtual Court

- Mohali circle of district SAS Nagar of eChallan Traffic for CCTV challans has successfully been integrated with Virtual Court as a Pilot testing.
- The module is under testing with Virtual Court Team

## iRAD-eDAR (Integrated Road Accident Database- Electronic Detailed Accident Report)

Project initiated by MoRTH to provide integrated digital platform for all stakeholders and to collect realtime accident data in the entire country to analyse the causes of crashes and in devising safety interventions to reduce accidents and fatalities.

### iRAD

- Dashboard from National level to lower most level for all stakeholders
- Map based, Grid based analysis
- Transition Matrix
- NH-Every 500 meter stretch analysis
- 51 Reports can be abstracted/filtered to get several thousand reports
- API integration with Vahan, Sarathi, CCTNS, TMS, Data Lake of NHA & eCourts for MACT.
- Almost all parameters of road accident data including Vehicles & persons involved in investigation point of view.



### eDAR

- 70% Technical data of accident, 30% financial data related to earning/liabilities /damage, treatment expenditure can help digital generation of eDAR (Detail Accident Report)
- eDAR gets digital processing at MACT, Insurance, companies, SLA, CWC for compensation to victims, this help to claim settlement at fast track
- Cashless Treatment through NHA by hospital application TMS linked with eDAR

## Implementation Status for Punjab

- Implemented in the State of Punjab since April 2022 (till date **17169** accident registered)(Legacy data migrated for 2022 & 2023 is 5917 & 5273 respectively).
- **Police Logins**- 23 district administrator, 391 Police stations, approx. 1200 Field officer users
- **Roads** - All the divisions, subdivisions of road agencies from NHA, PDW(B&R) and PMB Roads are on-boarded on portal.
- **Transport**- 23 RTOs and 23 MVIs registered for motor vehicle inspection
- **Health** - 230 Hospitals and 22964 patients are registered in iRAD
- **Manpower**-1 SRM and 22 DRMs at NIC District centre for continuous technical support
- **Trainings**- 8809 participants are trained in 1531 training sessions from all the 4 stakeholders departments at state and district level



A web enabled service for online counselling and admissions to various ITIs  
Department of Technical Education and Industrial Training, Govt. of Punjab



359+  
Institutions



627+  
Trades



70332+  
Seats Available



77224+  
Application Received (2024-  
2025)



51543+  
Admissions  
(2024-2025)



सत्यमेव जयते



-Counselling Services

SIMPLIFYING THE ADMISSION PROCESS

One integrated configurable solution

Automation of all major activities

100 % compliance with state reservation policies

Reduced cost and time involved in manual paper work and  
conventional postal system

Allocation of Institute and Trade as per merit and  
reservation policies and candidate preference

Integration with Payment Gateway, SMS and Email

## Department of Information and Public Relations (DIPR), Government of Punjab

### Features

Web based workflow based online system  
Customized dashboards for each user  
Online submission and approvals  
System was launched in December 2020  
Creates synergy between PR Department and other stakeholders

### Highlights

- One stop end to end solution for releasing Govt. ads in print media
- Transparent process
- Real time tracking of release orders
- Online billing to media houses
- Standardization of formats across departments and media houses
- Better reporting system and audit process

Categories	Unit	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16
1-Personnal	0	12,034	13,565	10,674	13,095	16,392
1-Personnal	0	345	347	154	1,953	374
1-Personnal	1	521	434	178	519	1,850
1-Personnal	0	0	2,300	189	90	23
1-Personnal	1	12,900	16,646	11,195	15,657	18,639
2-Marketing	2	6,000	2,300	5,000	1,500	1,200
2-Marketing	1	2,000	5,420	3,000	2,100	900
2-Marketing	0	8,200	4,900	2,000	8,000	-
2-Marketing	3	16,200	12,620	10,000	14,800	10,100
3-Commu	2	1,239	190	1,245	432	134
3-Commu	1	522	431	573	323	612
3-Commu	1	10,432	-	10,430	14,003	12,890
3-Commu	0	-	532	156	1,090	234
3-Commu	0	-	1,243	12	567	34
3-Commu	4	12,662	19,330	12,416	16,505	13,904
4-Other	0	19,300	15,333	15,000	15,990	12,009
4-Other	0	200	150	155	200	120
4-Other	2	400	500	100	200	500
4-Other	0	683	153	356	236	746
4-Other	2	20,583	16,136	15,611	16,525	13,379
1-Personnal	0	12,034	13,565	10,674	13,095	16,392
1-Personnal	0	345	347	154	1,953	374
1-Personnal	1	521	434	178	519	1,850
1-Personnal	0	0	2,300	189	90	23

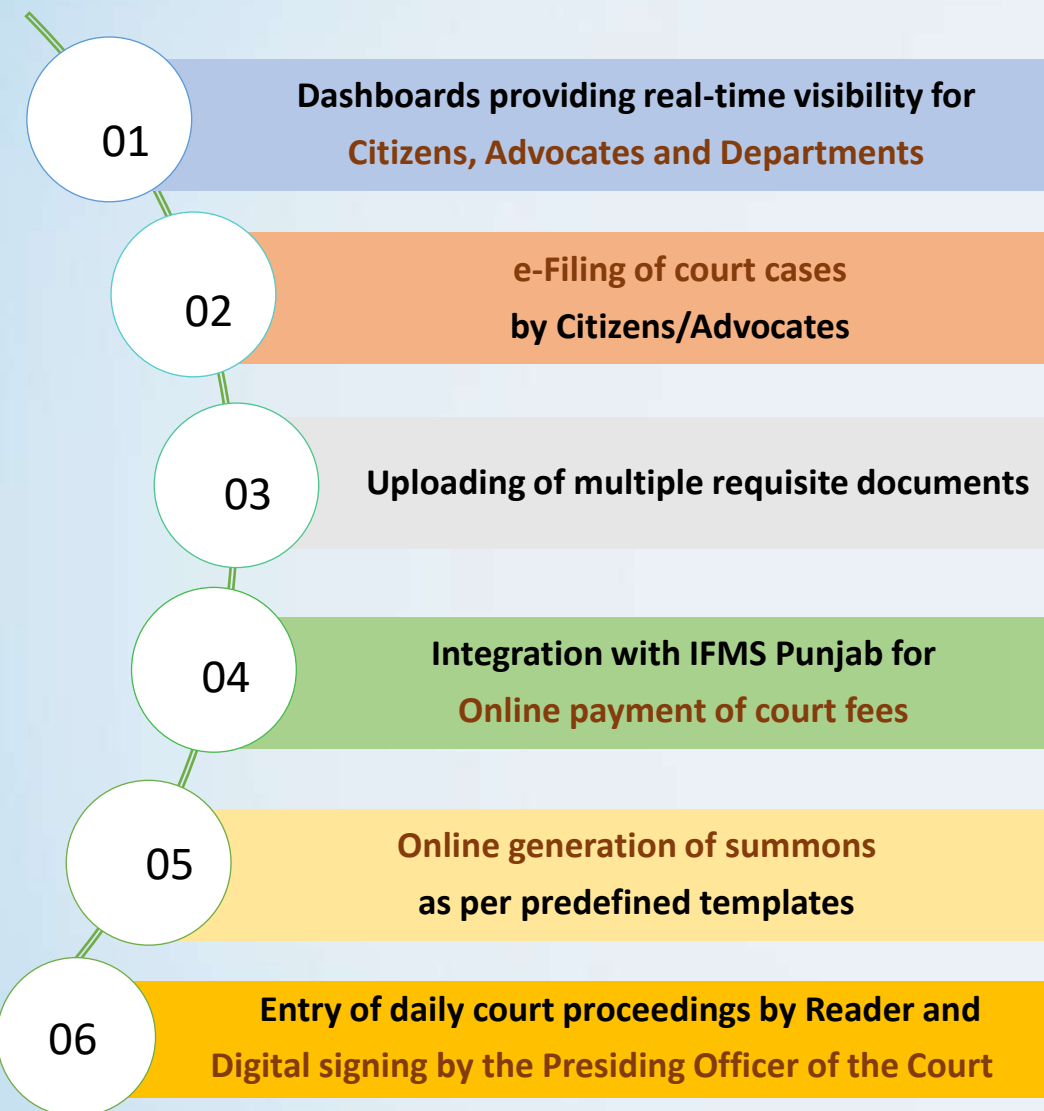
### Future Enhancements

- Mobile interface
- Release orders for digital media

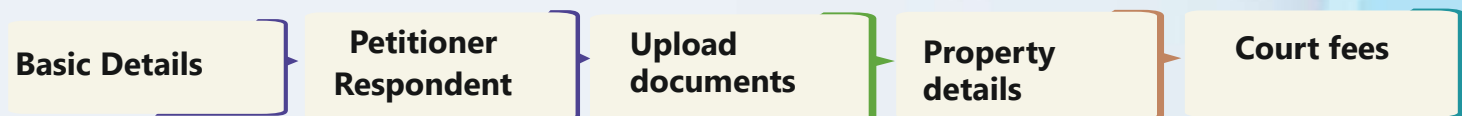
### Summary

- Approx. 43000 + released orders placed till date
- Approx. 800 + indicative advertisements released





## An initiative to facilitate citizens for filing court cases



### Land Demarcation

### Non-encumbrance

- Citizen can apply Online or at Fard Kendra and submit fee for
  - ✓ Land Demarcation
  - ✓ Online issuance of Non-encumbrance certificate
- Current status of the application available online
- SMS Integration
- Online Fee Payment through IFMS

### Active Courts

**476**

### Court Cases

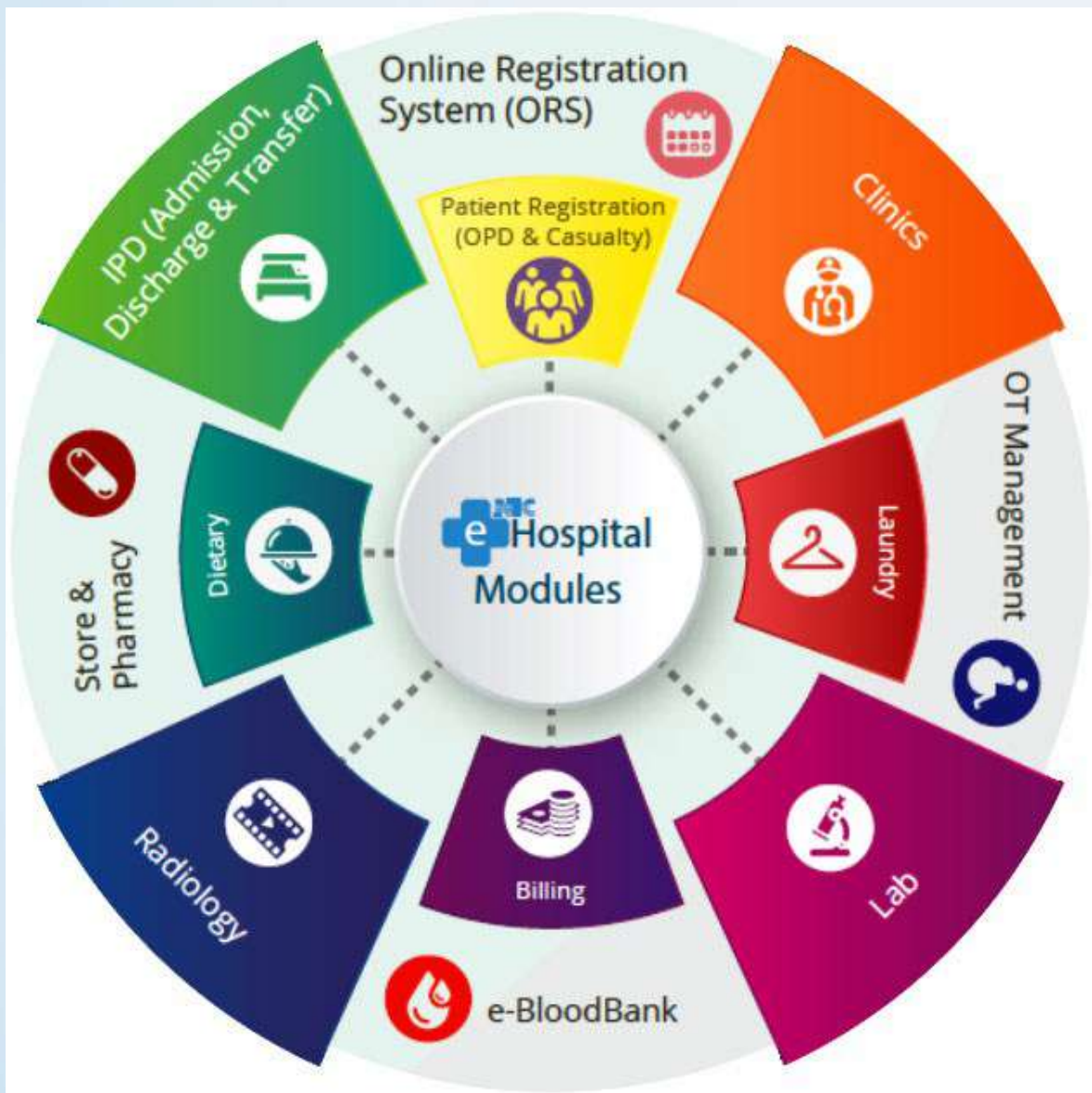
**217812**

Land Demarcation Applications

**137716**

Non-encumbrance Certificates

**588721**



Workflow based ICT solution for internal functioning of Hospitals specifically meant for the hospitals in Government Sector

- Patient-centric system.
- Single window for availing all patient related services online for Government hospitals.
- Major functional areas like
- Patient care,
- Laboratory services,
- Human resource and
- Medical records management

**E-Hospital and ORS applications are available free-of-cost on as-is basis**

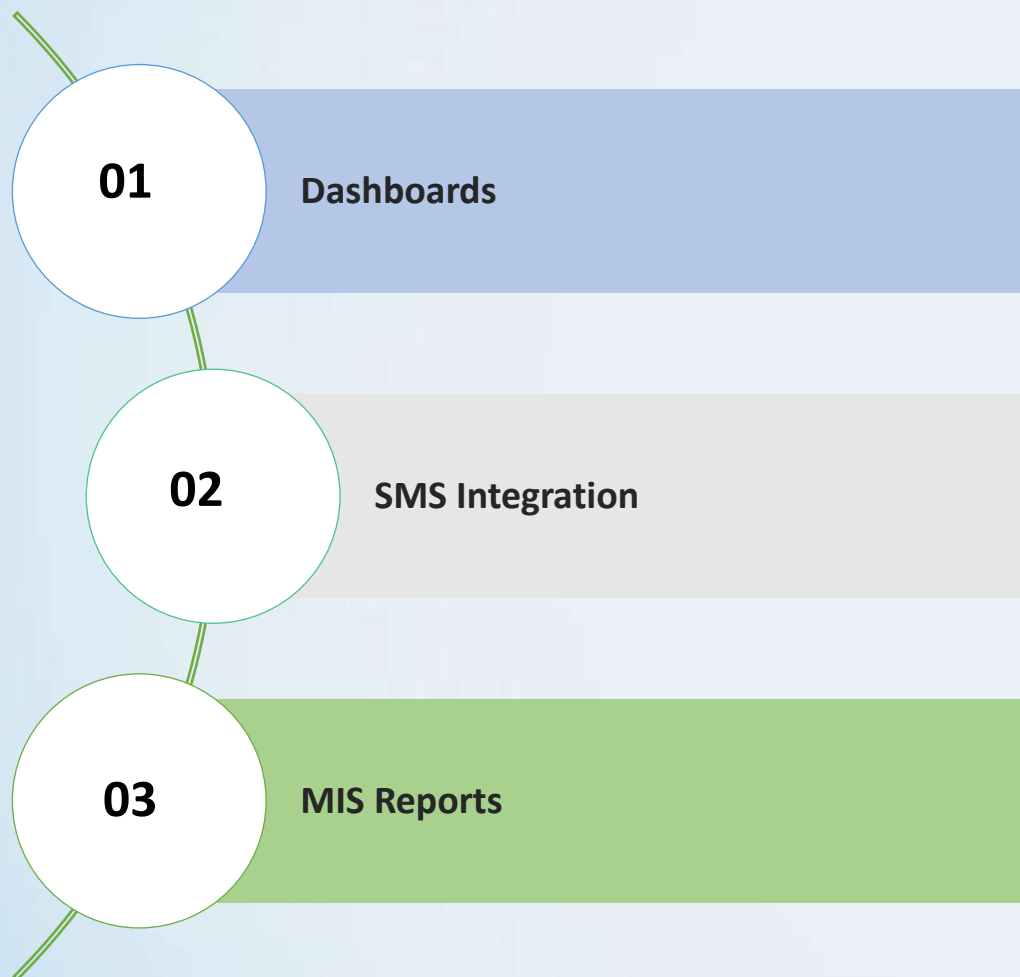
Medical Colleges

5

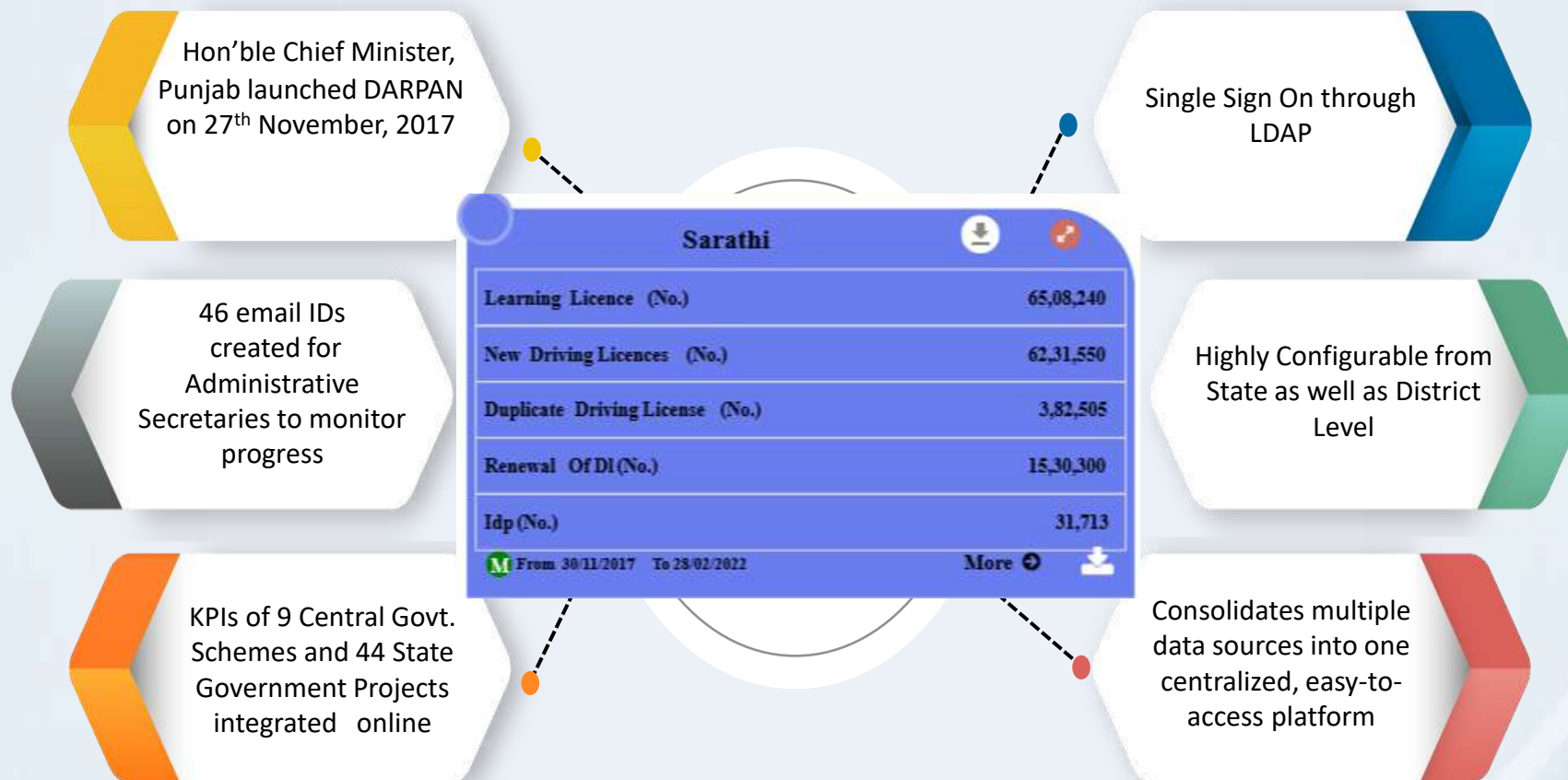
eHospital HMIS & ORS

5

## e - Justice and Grievance Redressal through Information Technology and Innovation



## Dashboard for Analytical Review of Projects across the Nation





This initiative envisions the increased use of data-driven monitoring mechanisms to improve government programmes and public service delivery for the citizens. The dashboard will also help monitor the progress of various projects, identify areas for improvement, and facilitate data-informed driven decision-making.

## Performance Monitoring

- District Performance Report / Department wise monitoring of Schemes

## Data-Driven Decision Making

- Indicators regularly reviewed for timely action / Improved service delivery and program implementation

## Resource optimization

- Helps in reallocation of resources to most impactful programs

## Streamlined data Systems

- Centralized system housing all department KPIs in a standardized format

### VISION

Use data driven monitoring mechanisms to improve government programs and service delivery for ~29.6 million citizens of Punjab.

### MISSION

Collect, analyse, and visualise program data regularly through a sophisticated dashboard. Stakeholders to draw insights to make decisions regarding course corrections and introduce new programs.

### Approach

#### KPI Identification

1. Centrally and State Sponsored schemes
2. CM Announcements
3. State budget allocation
4. Agenda 24\*7 and Important projects

Framing indicators in 4 categories:

- I. Achievement against Target
- II. % Pendency
- III. Budget Utilised against Allocated
- IV. % Change (MOM/YOY)

#### Data Collection



APIs for real-time data update



Form-functionality to enter data

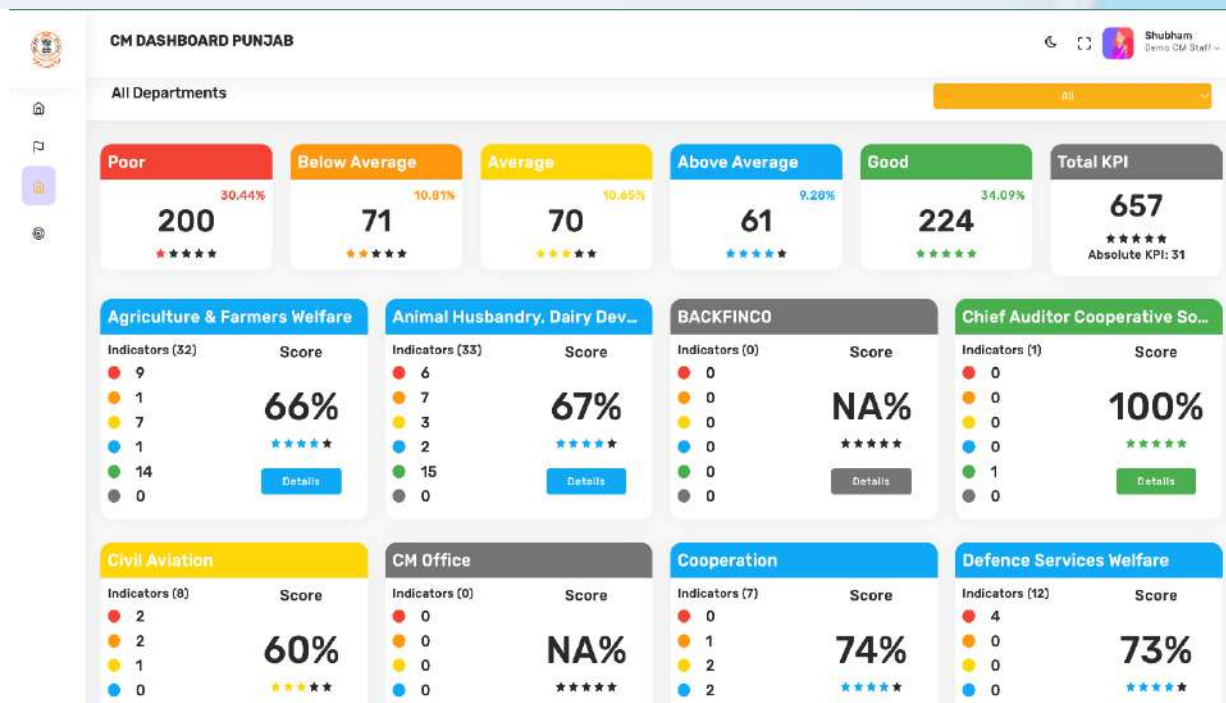
#### Visualization & Customisation

Assessing performance through ranking, scoring and data visualization.

Customised views for  
1.Chief Minister  
2.Administrative Secretary  
3.Deputy Commissioner

#### Review

Monthly review of depts. and districts at the level of Chief Minister and Chief Secretary.



Suite of various modules available on cloud as SAAS

Standardized & Streamlined Process With State Specific Configuration

Information Exchange With All Stakeholders of Criminal Justice

Centralized Data About Prisoners Nationwide

Information to Various Intelligence and Investigation Agencies

Hassle free Visits by Relatives to Meet their Wards Lodged in Prison

- ☐ Prisoner Information Management System(PIMS)
- ☐ Visitor Management System (eVisitor)
- ☐ Hospital Management System (eHospital)
- ☐ Legal Aid Management System
- ☐ Inventory Management System
- ☐ Prison Management System (PMS)
- ☐ Police Intelligence System
- ☐ Court Monitoring
- ☐ Kiosk Information
- ☐ eCustody

## Public

- ✓ Registration of visit request and Status query of the same
- ✓ SMS/eMail Alerts to the visitors
- ✓ Statistical information/ drilled down Reports on national basis
- ✓ Submission of grievance
- ✓ Kara Bazaar

Jails computerised (25)

## Prison Management

- ✓ Controlled registration of prisoners
- ✓ Structured Prisoner information
- ✓ Availability of MIS, Statistical reports, & Graphs for
- ✓ Monitoring & information
- ✓ Enabling optimum utilization of resources
- ✓ Various alerts Hearing, 436 / 436A, parole jump, Inventory, medicine.

Total Inmates (26000+)

## Courts

- ✓ Easy access of CrPC 436 / 436 'A'/441 reports
- ✓ Availability of Nominal roll online
- ✓ Alerts for jumping Parole /Interim Bail
- ✓ Provisioning Information online in real time.
- ✓ e-custody certificate online
- ✓ Search inmates profile
- ✓ SMS & Email Alerts at several events
- ✓ Drill Down Reporting

Daily Visits (1000+)

Prisons in India

All Police  
Headquarters  
In country

Public / Citizens

Crime Record  
Bureaus  
(NCRB, SCRB)

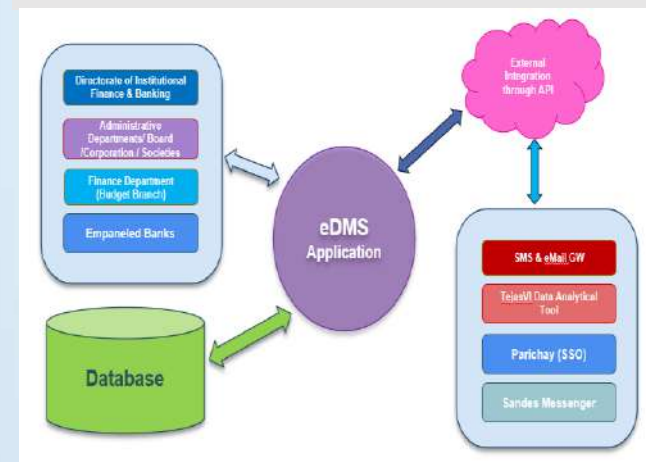
Central / state  
Investigating  
Agencies

NHRC and other  
National/  
State Commission



The Government of Punjab has formed a policy regarding the placement of deposits with banks by various Government Departments and Government Entities (Board, Corporations, Autonomous Bodies, Societies, Local Bodies and other state agencies).

These departments collect funds through various levies, fees, Cess or funds received in any other form. The Directorate of Institutional Finance and Banking (DIFB) shall empanel banks after following various eligibility criteria like financial performance, fiscal performance, and base of the banks in the state of Punjab apart from the performance of banks in implementing various schemes/programs of the Centre/State Government.



## Stakeholders

- Directorate of Institutional Finance & Banking
- Administrative Departments
- Boards/Corporation/Societies
- Finance Department
- Empanelled Banks

## Salient Features

- Web based portal for the efficient management and monitoring of funds
- Facilitates on-boarding of Departmental Nodal Officers and Nodal officers of empanelled banks
- Master management and User Management
- Facilitates departments nodal officer to create bids, invite quotes to deposit their funds in Term Deposit
- Provision for Bank Nodal Officer to submit the online quote against the invited bid
- Provision for bulk upload to update monthly balance of Savings & Current Accounts and Term deposits balance
- Provision to compile the bid by the concerned Nodal Officer of the Department after bid closing deadline is over
- Provision to withdrawn the bid by the department nodal officer with the approval of Competent Authority
- Role based and two factors authentication (Password & OTP)
- SMS and e-mail Integration
- Integrated with Parichay Single Sign on (SSO)
- Uploading and moderation of News & Notifications
- Provision for Finance Department (Budget Branch) user to accord approval regarding opening/renewal of Savings/Current account
- Data Analytical Dashboard

Administrative Departments - 56  
Office under Administrative Departments - 1897  
Empanelled Banks - 25

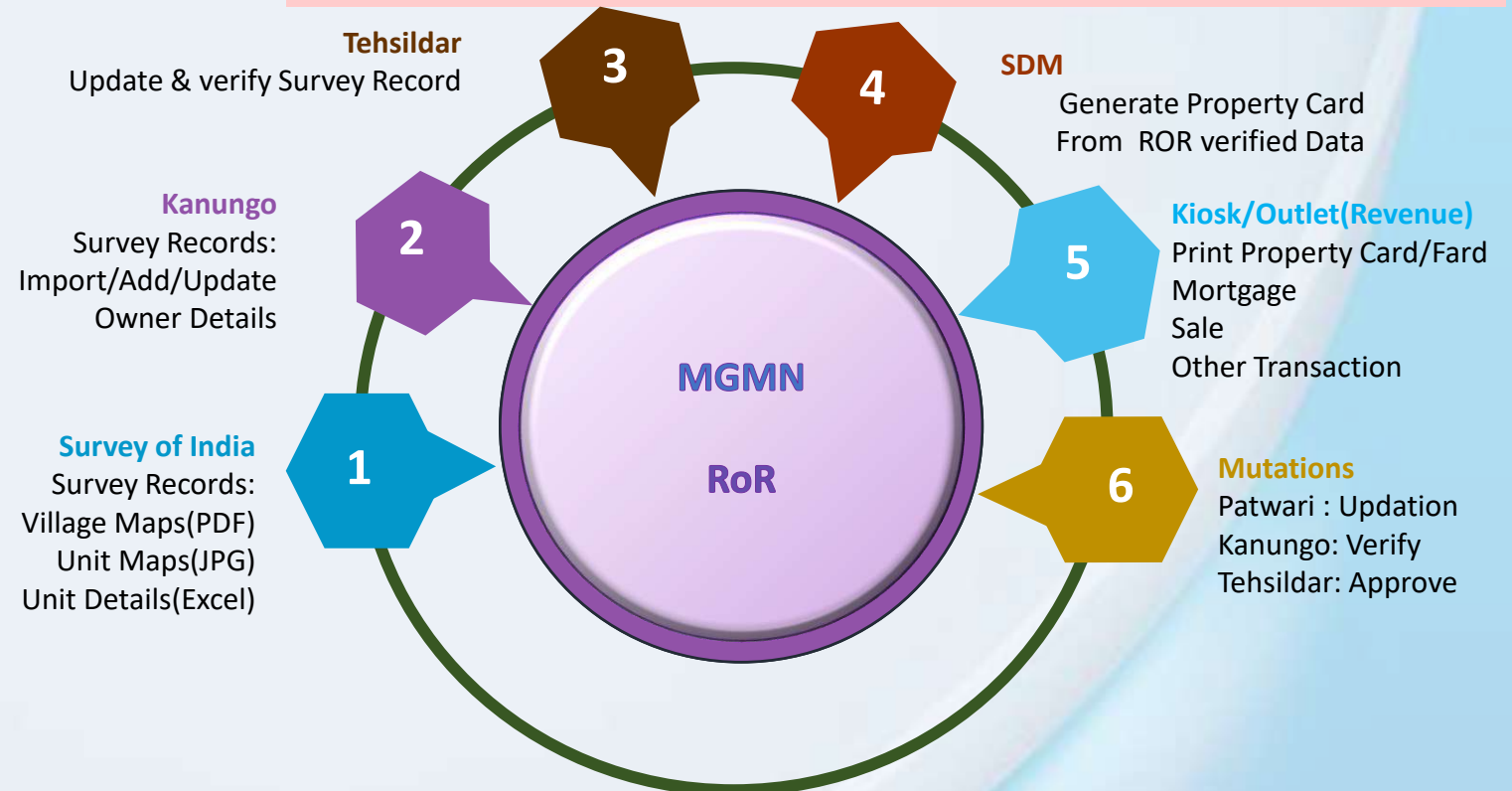
Total Bids Raised since August 2021 -- 1345  
Total funds placed in banks -- Rs. 2838983.716 Cr. through bidding

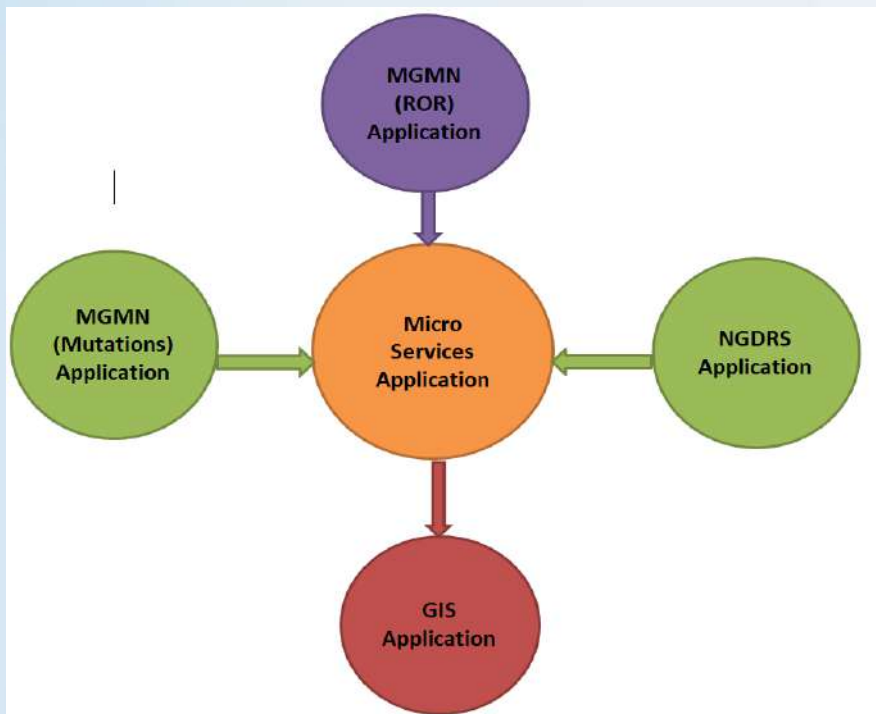


- MGMN scheme has been launched in Punjab in order to bestow property rights to the people who are living in houses that are situated within the Lal Dora of villages and cities. Around 13000 villages will be covered under this scheme.
- MGMN application aims to capture/store **Svmitva Survey Data** and verifying by concerned authorities of revenue Department to create Record of Rights (ROR) as per Punjab Abadi deh (Record of extent and Rights) Act, 2021.

## Salient Features:

- ❖ Centralised MGMN portal
- ❖ Role Based User Management
- ❖ Uploading Village and Unit Maps after Drone Survey
- ❖ Updating attribute data of survey units by concerned Kanungos
- ❖ Verifying attribute data of survey units and unit maps by concerned Tehsildars
- ❖ Generating Property Cards by SDMs
- ❖ Citizen Interface for downloading Property Cards using OTP
- ❖ OTP-bases Authentication for updating, verifying and generating records





An integrated  
Micro-services based  
configurable Product for  
Record of Rights &  
Mutations  
using open source  
technologies

## Objectives:

- Preparing a centralized portal consisting of attribute data and spatial data of inhabitants living under lal dora area of villages in Punjab.
- Creating Record of Rights (RoR)
- Integration of property parcel seamlessly to help analysis for planning.
- Associated view of property card with property parcels.
- Establishment of Seamless and accurate mutation process.
- Thematic based visualization based on selected parameter for property parcels of selected village.

## Salient Features:

- Work flow for capturing Property Survey Data and creating Record of Rights
- Document Registration (Mortgage, Sale Deeds etc.) and integration with NGDRS
- Work flow for transacting mutations and real-time auto-updating the Record of Rights
- Inclusion of GIS technologies
- Seeding of ULPIN with each property unit
- Seeding of Aadhaar with each owner of the property
- Integration with Block chain System

## \*\*\*Current Status\*\*\*

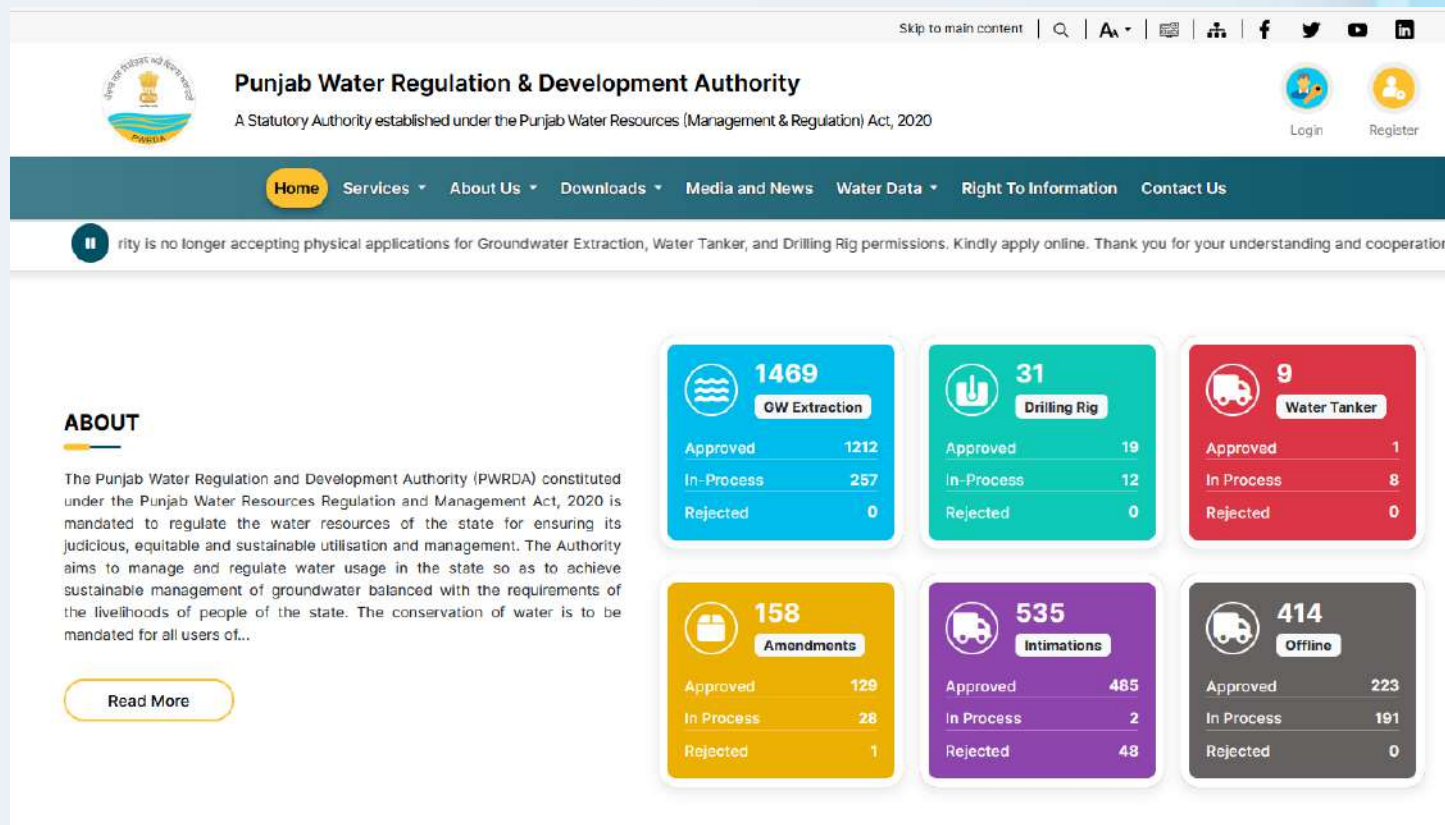
- Notified Villages :8689
- Drone Flying : 8124
- Village Field Book : 321
- Record of Rights : 46708
- Property Cards : 42240

**A solution to provide a one-stop access point for organization information and applications/services for Punjab Water Regulation Development Authority using Open-Source Technologies.**

**PWRDA Portal & Web Application was launched on Sep 06, 2023**

- Online Fresh/ Miscellaneous/ Intimation Permissions for Ground Water, Water Tanker and Drilling Rig
- Integration of APIs (Business First Portal, PSPCL, PPCB and Payment Gateway, Email/ SMS/ Sandes)
- Complete customization of Work Flow
- SMS/ Sandes/ Email/ NICDSign/ Bharat Maps/ Payment Integration
- Dashboard for Work Flow Players
- Application Fee Calculators
- Android and iOS Mobile APP
- MIS Reports
- Payment Module
- Integration with Fast Track Portal Punjab

**PWRDA Punjab, the first Authority to adopt such solution to manage and regulate ground water usage in the state across India**



## Way Forward



**Authority has collected Rs 51 Cr. (approx.) through the portal.**



## Implementation Status

**GePNIC implemented in Punjab State in November 2017 but its active usage started since January 2018**

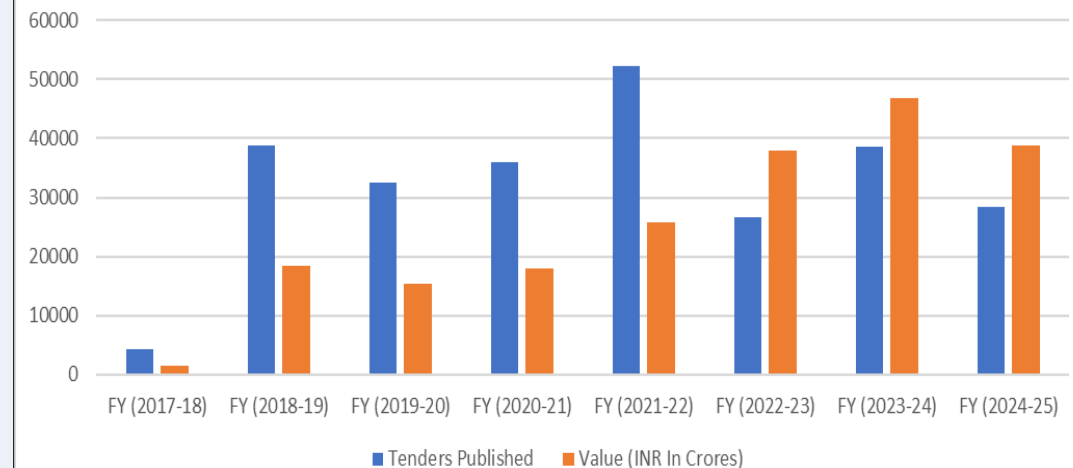
**Total Tenders – ₹ 299533**  
**Total value - ₹ 275506 Crore**  
**Total Revenue (up to Feb2025 )– ₹ 120,34,19,211**

### Salient Features of GePNIC

- Real time Tender Information of all organisations
- Certified and Audited by World Bank, Asian Development Bank and STQC
- Facilitates Preference for MSME, StartUPs in eReverse Auction and Tenders
- Global Tenders
- ADB, World Bank, CVC Guidelines, GFR 2017 compliant

- ✓Procurement Entities – 1800+
- ✓Bidder / Contractors – 58595
- ✓Department Users – 9359
- ✓Org. / Deptts. On-boarded – 201
- ✓Bids Received in 2018-19 – 80012
- ✓Bids Received in 2019-20 – 65405
- ✓Bids Received in 2020-21 – 83132
- ✓Bids Received in 2021-22 – 119514
- ✓Bids Received in 2022-23 – 55548
- ✓Bids Received in 2023-24 – 90989
- ✓Bids Received in 2024-25 – 65598

### GePNIC® growth over the years



**This portal offers a comprehensive platform for accessing procurement information by integrating data from the "eProcurement System of the Government of India" through a secure data transfer process.**

## Features

- Centralized Procurement Information
- Data Integration via API
- Search and Filter Functionality
- Comprehensive Reporting
- Digital Documentation
- SMS Service

## Benefits

- Enhanced Transparency
- Data-Driven Decisions
- Accountability
- Accessibility for Stakeholders

**52**

On board Departments

**83**

On board users

**15**

Total No. of Department have  
Uploaded Annual Procurement  
Plan

**2,818**

Total No. of Uploaded  
Annual Procurement Plan

Active Tender (nos.)	1330
Opening Today (nos.)	161
Closing Today (nos.)	165
Result of Tender (nos.)	12717
Active Corrigendum (nos.)	224
Total Annual plan (nos.)	2884



## Enterprise GIS for One Map Punjab – Crux

### Objective

- Create a **single integrated GIS platform** for all ULBs of Punjab to support **planning, governance & citizen services**.

### Scope

- Centralized **Geo-portal & database** (spatial + MIS).
- **Property, utility & asset mapping** with drone/LiDAR integration.
- **Dashboards, mobile apps & 3D visualization**.
- Seamless **integration with e-Governance systems** (M-Seva, OBPS, Tax, etc.).

### Key Outcomes

- Better **urban planning & revenue enhancement**.
- Real-time **monitoring & transparency**.
- **Data-driven decision making** for PMIDC & ULBs.
- Empowered **citizen services & grievance redressal**.

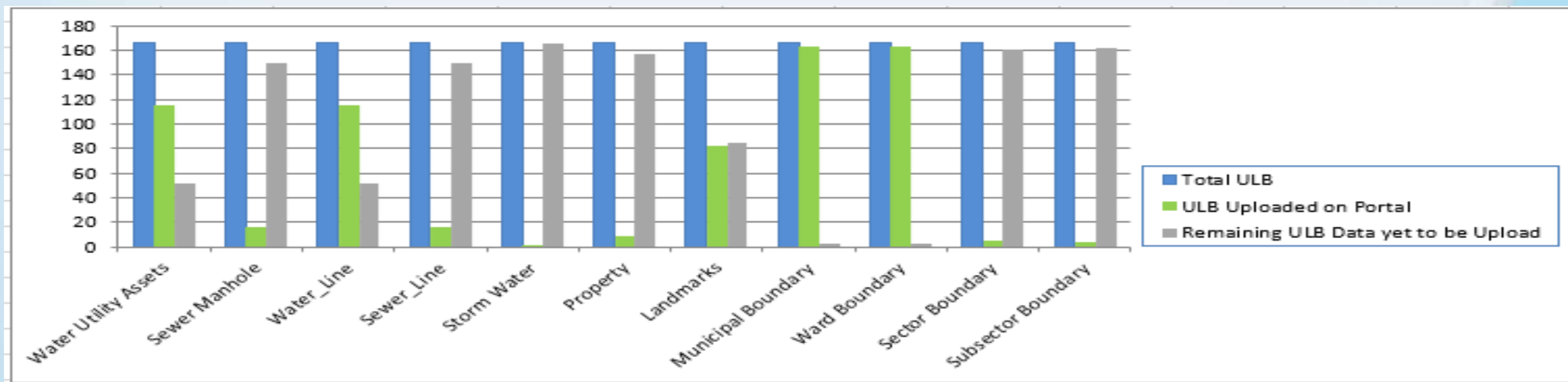
### Project Snapshot

- **Cost:** ~₹180.53 L
- **Duration:** 1 Year Development (PHASE 1)

## Layers of GIS PMIDC (Geospatial Data layers )

- Base Map
- Existing Plot Maps and Sector Plans/ Blocks
- Utility Maps
- Transport
- Urban Services Maps
- Disaster Management
- Urban Greens
- Other Layers
- Proposed Master Plan
- Layers for Rural Areas

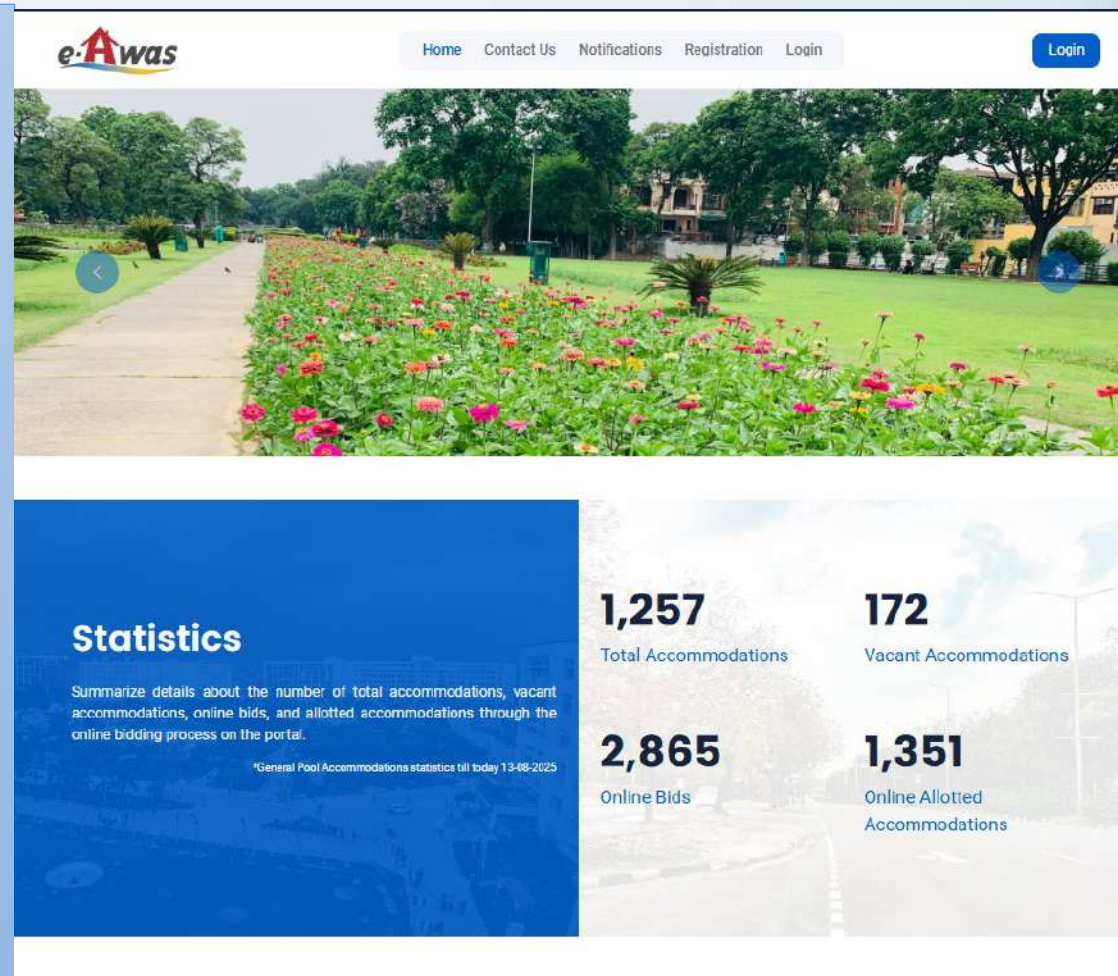
Total ULB	ULB Uploaded on Portal	Remaining ULB Data yet to be Upload	Data Percentage Uploaded on Portal
166	115	51	51%
166	16	150	2%
166	115	51	51%
166	16	150	2%
166	1	165	1%
166	9	157	3%
166	82	84	52%
166	163	3	98%
166	163	3	98%
166	5	161	2%
166	4	162	2%



- eAwas application caters to the allocation of Government Accommodation to Punjab Government employees as per entitlement and seniority, who desire Government Accommodation for residence from pool of Government houses, located in Chandigarh.
- Integrated with iHRMS for populating the employee details while registration
- Integrated with SMS gateway for delivery of OTP and alerts
- TejasVI Data Analytical Tool for the development of Dashboard
- Sandes Messenger for delivery of OTP and Sandes Chatbot
- Parichay SSO platform for single sign on.

The objective of this portal is to bring transparency in allotment of government accommodation to government employees, to know the availability and maintenance status of allotted and vacant accommodations and to bring transparency in license fee collection and accommodation allotment process.

**e-Awas Application and Sandes Chatbot has been successfully launched by Sh. Vijay Kumar Janjua, IAS, Chief Secretary, Government of Punjab on 12th December 2022.**



Integrated e-Governance Scholarship Portal for the automation, streamlining & effective management of processes related to application receipt, processing, sanction and disbursal of various scholarships to Students. This initiative is aimed to facilitate faster and efficient disposal of scholarship applications and timely payment of the scholarships to the students directly in their bank accounts.

## Features



Disbursal of Scholarship Management

Timely Payment of Scholarships to the Students directly in their Bank Accounts

Beneficiary Validation/Verification through Aadhar Authentication

SMS Services (Push & Pull Technologies)



**5,750**

Registered Institutions



**2.60 Lakh**

Enrolled Applications 2024-25



**2.37 + Lakh**

Sanctioned Applications 2024-25

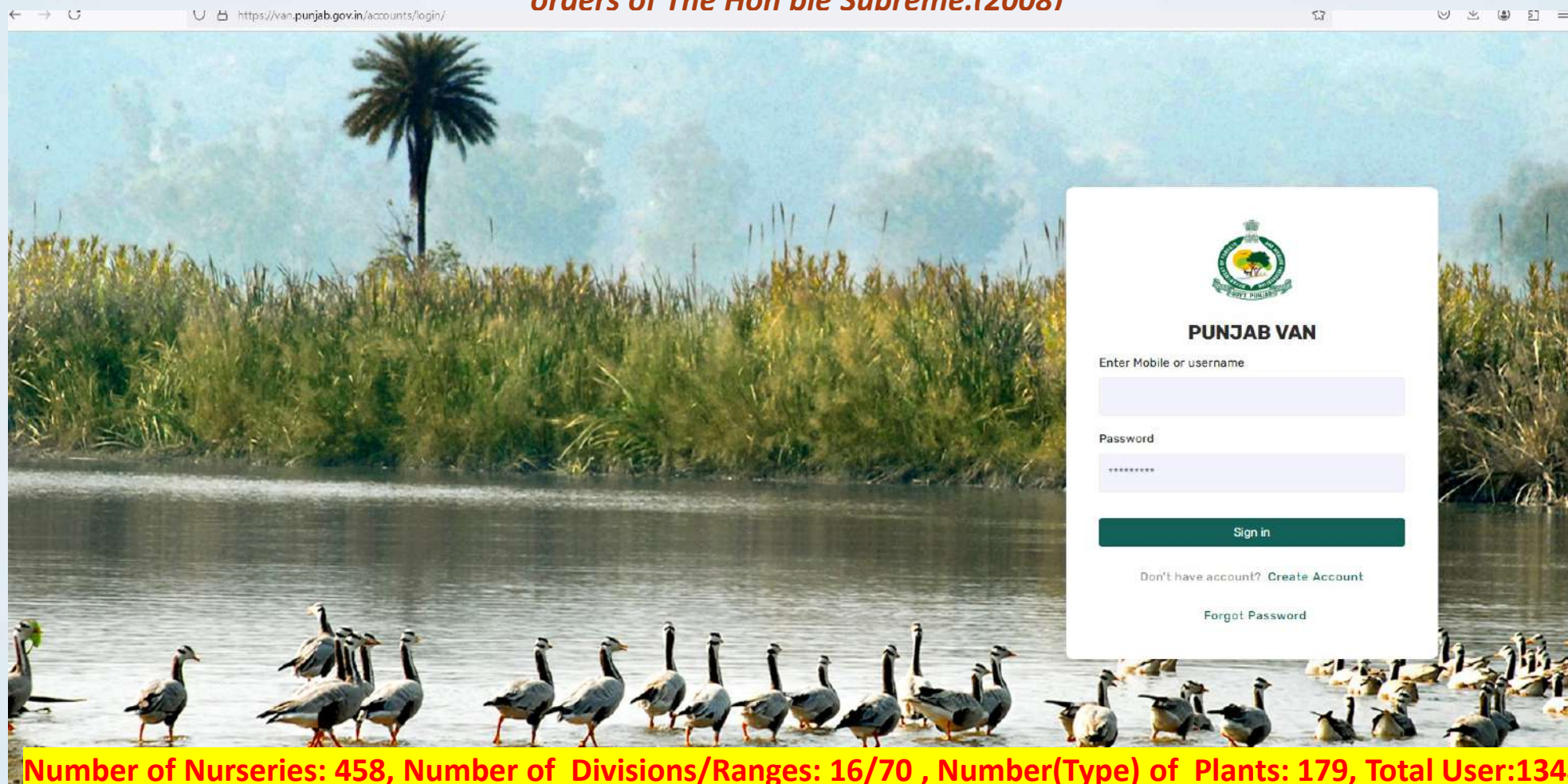


**3627**

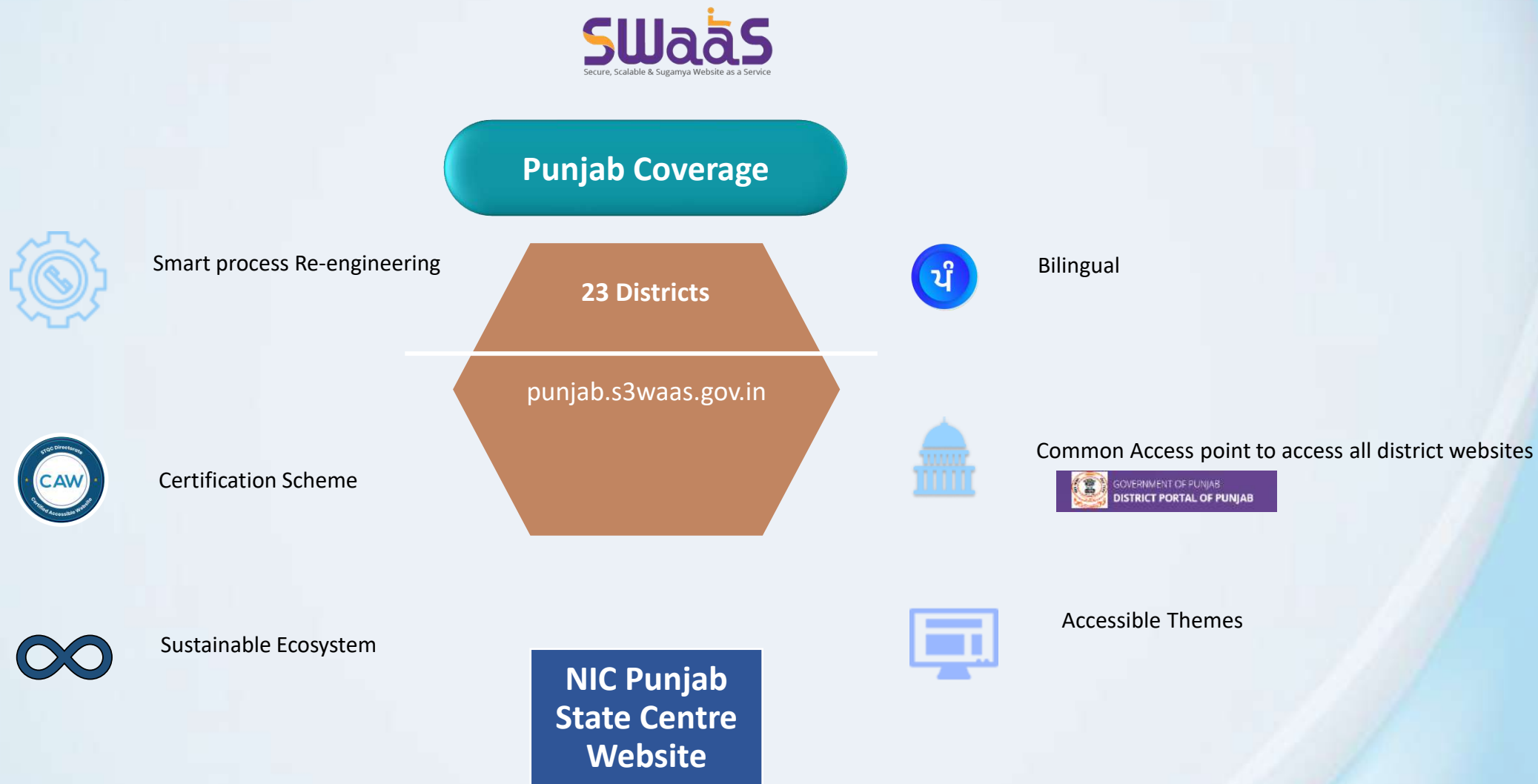
Courses



**CAMPA( Compensatory Afforestation, Fund Management and Planning Authority) is meant to promote afforestation and regeneration activities as a way of compensating for forest land diverted to non-forest uses. National CAMPA Advisory Council has been established as per orders of The Hon'ble Supreme.(2008)**

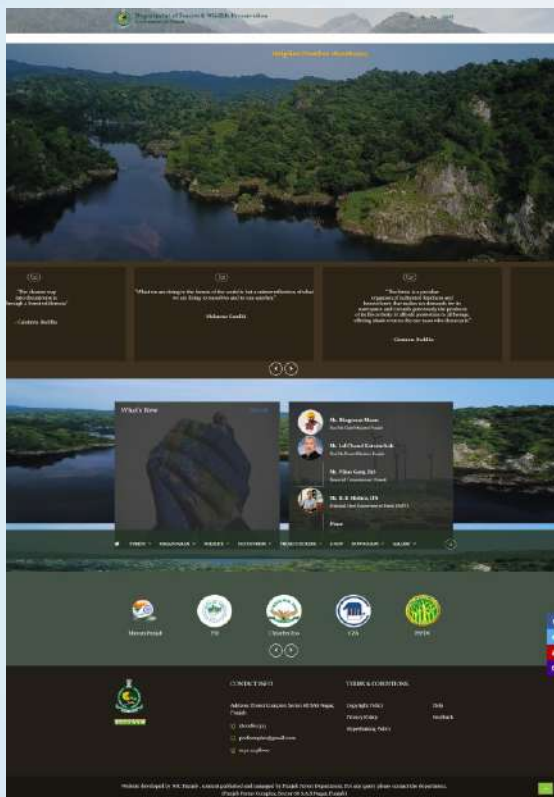


**Technology Used: Frontend: HTML, CSS, JQUERY, Backend: Django, Python, Database: MySQL, Task Scheduler: Celery & KML area calculation: opengis.net**





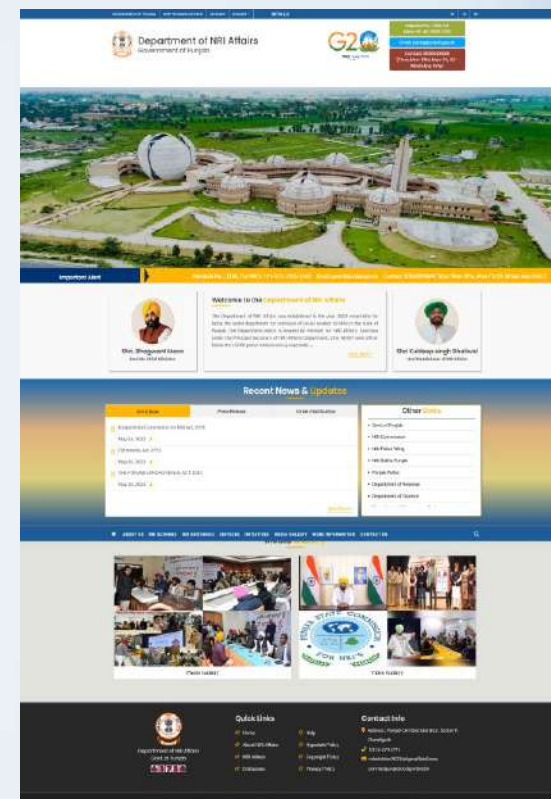
Addresses the growing need for an all-encompassing platform that simplifies content publishing while automating workflows and dynamic forms. This robust CMS facilitates content management, workflow automation, dynamic forms, and data analytics, all with a user-friendly interface and strong security measures.



Total No. of Site Request Received: 41  
Number of Sites Launched: 18  
Number of sites under process: 23

## Benefits/Impact

- Faster Development and Deployment
- Ease of Use
- Streamlined Workflows
- Customization
- Enhanced Analytics
- Improved SEO and Social Reach
- Dynamic Form Creation with Validation
- Workflow-Based Form Movement
- Multi-language Support
- Role-Based Publishing Controls
- Social Media Integration
- Pre-designed Templates

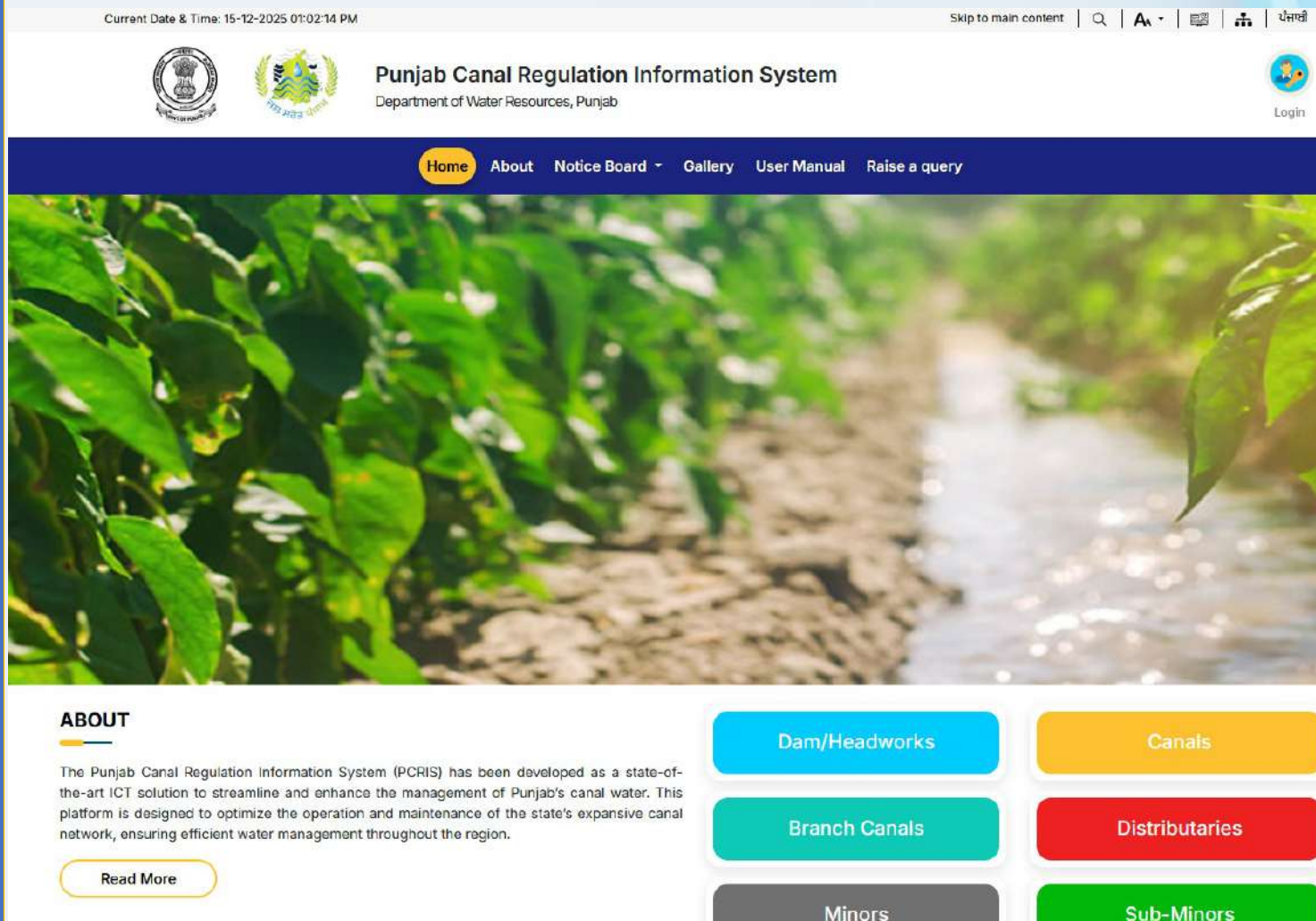


**Platform: Python, Django( Contents can be created and structured spontaneously), Nginx with Gunicorn**

<https://informatics.nic.in/files/websites/october-2024/comprehensive-web-content-management-and-workflow-system.php>

To manage Canal System of Punjab state, which include the mapping of the Canals, Sub-Canals, Distributaries, Minors/ Sub-Minors and Circles for the entire state.

- Real-time monitoring of water flow, canal levels, and usage patterns.
- It enables authorities to monitor the performance of canal networks, detect leaks and take corrective actions promptly.
- It covers approximately 1200 Dams/Headworks/Distributaries/Minors etc.
- Integration of Bharat Maps to display water entities with search filter.
- A complete CMS to manage portal and Admin Module to manage water entities and dashboards.
- Provision for daily submission of reading for water entities.
- Mobile App(android & iOS).



Current Date & Time: 15-12-2025 01:02:14 PM

Skip to main content

**Punjab Canal Regulation Information System**  
Department of Water Resources, Punjab

Home About Notice Board Gallery User Manual Raise a query

**ABOUT**

The Punjab Canal Regulation Information System (PCRIS) has been developed as a state-of-the-art ICT solution to streamline and enhance the management of Punjab's canal water. This platform is designed to optimize the operation and maintenance of the state's expansive canal network, ensuring efficient water management throughout the region.

[Read More](#)

Dam/Headworks Canals Branch Canals Distributaries Minors Sub-Minors



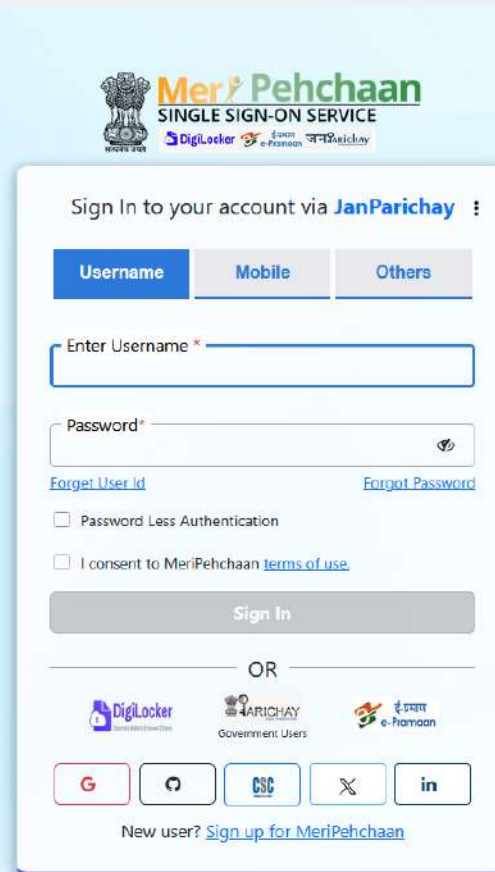
- Objective is to automatically extract reading of water level in irrigation canal from the gauge installed at tail end.
- Project has commenced from July 2025 after receipt of funds from Department of Water Resources.
- Dataset has been collected and data annotation is in progress.
- Object detection and image detection techniques are being used to extract the image of tail gauge and read the level of water.



Department of Water Resources, Punjab is using a number of portals to manage the canals and irrigation system and other departmental activities efficiently. But collecting information from different portals and analysing it for policy making is a tedious task.

Role based Dashboard using SSOID is an ICT solution to department, providing an inclusive dashboard combining data from all those portals. The comprehensive dashboard will help the department in efficient analysis of information available through different portals. This will further aid them in effective formulation of policies for management of canal and irrigation network in Punjab for public benefit.

SSO has been implemented across all the applications being used in department through JanParichay.



**MeriPehchaan**  
SINGLE SIGN-ON SERVICE

Sign In to your account via **JanParichay** :

Username | Mobile | Others

Enter Username \*

Password \*

[Forgot User Id](#) [Forgot Password](#)

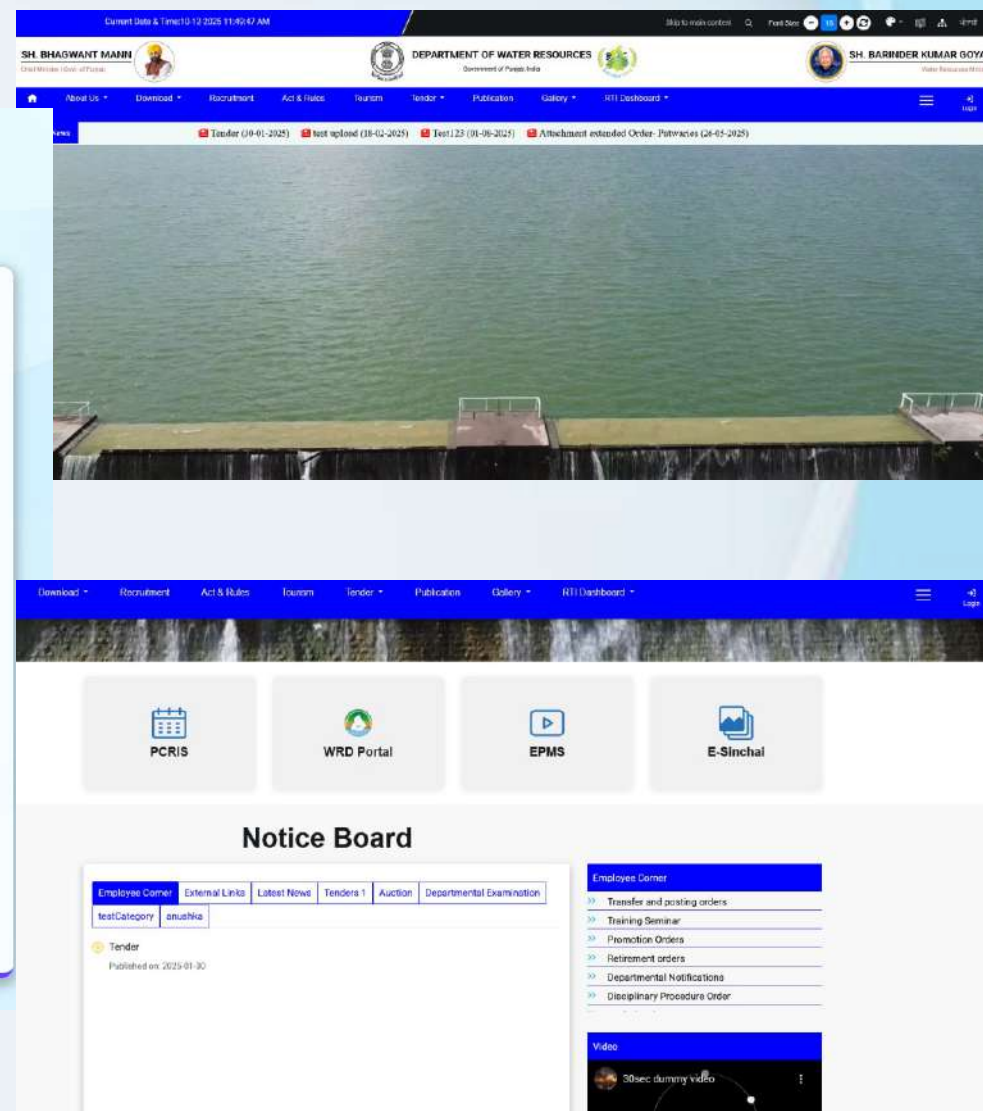
☐ Password Less Authentication

☐ I consent to MeriPehchaan [terms of use](#)

**Sign In**

OR

New user? [Sign up for MeriPehchaan](#)



Current Date & Time: 10/12/2025 11:40:47 AM

**SH. BHAGWANT MARRI** **DEPARTMENT OF WATER RESOURCES** **SH. BARINDER KUMAR GOYAL**

Download | Recruitment | Act & Rules | Tourism | Tender | Publication | Gallery | RII Dashboard

Tender (09-01-2025) | Test upload (08-12-2025) | Test 123 (01-06-2025) | Attachment extended Order - Patwaries (24-05-2025)

Download | Recruitment | Act & Rules | Tourism | Tender | Publication | Gallery | RII Dashboard

**PCRIS** **WRD Portal** **EPMS** **E-Sinchal**

**Notice Board**

Employee Corner | External Links | Latest News | Tenders | Auction | Departmental Examination

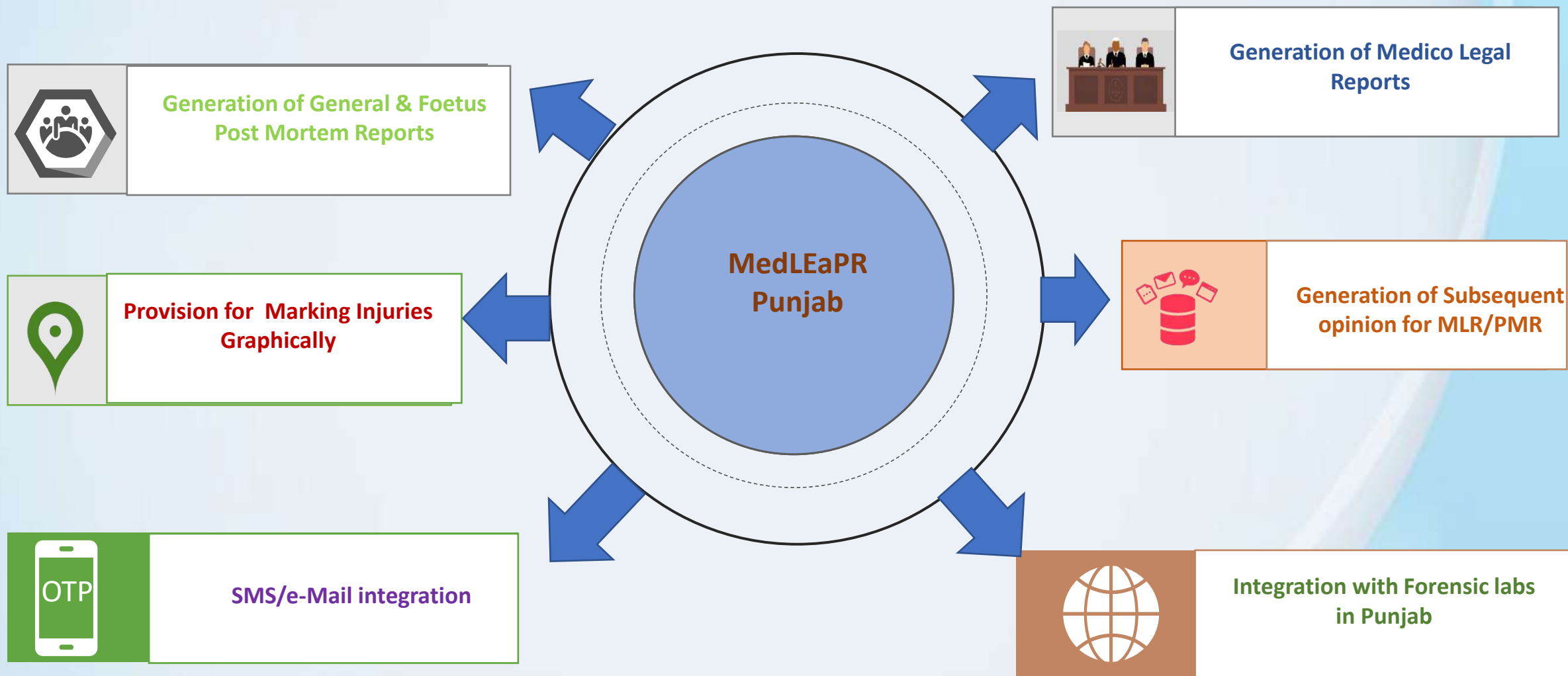
testCategory | anushia

Tender  
Published on: 2025-01-30

Employee Corner

- Transfer and posting orders
- Training Seminar
- Promotion Orders
- Retirement orders
- Departmental Notifications
- Disciplinary Procedure Order

Video  
30sec dummy video





- Preparation of Training Calendar and Publish online.
- Automated Rule Based Calculations in Booking and Cancellation
- SMS facility to send general alerts to Trainees and payment alerts accommodation seekers

- Defined Rules fitting at Back & Front End
- Double Authentication & Verification of Transactions
- Reduction in Processes with defined steps.
- SMS Gateway Integration
- Payment Gateway Integration
- CMS Part of the Portal.
- With customization, can be used by other states.

- Faculty Profile Preparation
- Guest Faculty Registration
- Submission of Booking Request & Status Online
- Backend Process for Booking
- Publishing of Advertisements
- Uploading of Tenders, Downloads





## Village Directory

296 parameters of each village (12562) are collected every two years and a village directory is prepared which is used for the planning purpose of devising development schemes

1



## Consumer Price Index (CPI)

Prices of 752 commodities are collected from 6 collection centers in Punjab and by applying specified formulas monthly CPI is calculated

2



## House Rent Index

House rent data is collected from the 6 collection centers in Punjab and by applying specified formulas HRI is calculated biannually

3



## Index of Industrial Production (IIP)

Total production figures of 176 items are collected from 268 factories in Punjab and by applying the formulas monthly and yearly IIP is calculated

4



## Setting up of LAN and WAN

Set up LAN and WAN at ESO HQ at Chandigarh and its all offices at districts

5

## Features

- ✓ Ensured Bi-Annually Distribution of Wheat in 30 Kg Packs
- ✓ Aadhaar-seeded digitized data.
- ✓ Robust 3-tier grievance redressal mechanism.
- ✓ End to End Computerization
- ✓ Food grain Allocation Linked with distribution

## Reengineering

- ✓ State Defined Rules
- ✓ Double Authentication & Verification of Transactions
- ✓ Reduction in Processes
- ✓ Complete Tracking Single Unified Platform
- ✓ ePoS For Ration Distribution
- ✓ SMS Integration

## Capacity Building

- ✓ Continuous Trainings
- ✓ Help Desk & eMail Support
- ✓ Robust 3-tier grievance redressal mechanism
- ✓ Soft Copies of Manuals, PPTs & Brochures

## Stake Holders

- ✓ Government of India
- ✓ Citizen
- ✓ Fair Price Shop
- ✓ PB State Civil Supplies Corporation
- ✓ Food Corporation of India
- ✓ Department of Food and Civil Supplies
- ✓ State Government
- ✓ Health Department

## Road Map

- ✓ AI in Allocations & Distribution
- ✓ Implementation of ONOC Scheme of GOI



### Transactions - (October-2022 To March -2023)

Total Cards	Availed Cards	Portability Cards
40,66,235	32,02,127	8,77,186
Total Shops	Active Shops	Bi-Annual Trans %
18,259	237	78.74
Bi-Annual Trans	Today's Trans	PMGKAY
32,23,797	800	34,43,040

### Ration Card Management System (eRCMS)

### Food & Essential Commodities Assurance & Security Target

### Point of Sale (ePOS)

### Authorized Functionaries of Softwares

eRCMS	FEAST	ePOS
Data Entry Operator (DEO), Food Inspector, Assistant Food Supply Officer, District Food Supply Controller (DFSC), Director/ Administrator, Reports	Depot/ Godown, Director/ Administrator, Reports Viewer, District Food Supply Controller (DFSC),	Inspector, District Food Supply Controller (DFSC), Administrator

## Digital life Certificate for pensioners

1,84,000+

Total DLCs generated  
since inception in  
Punjab

I have submitted my  
Digital Life Certificate on  
Jeevan Pramaan

26,717+

DLCs generated from  
Nov, 2020 till date

1,10,000+

DLCs successfully  
processed since  
inception in Punjab

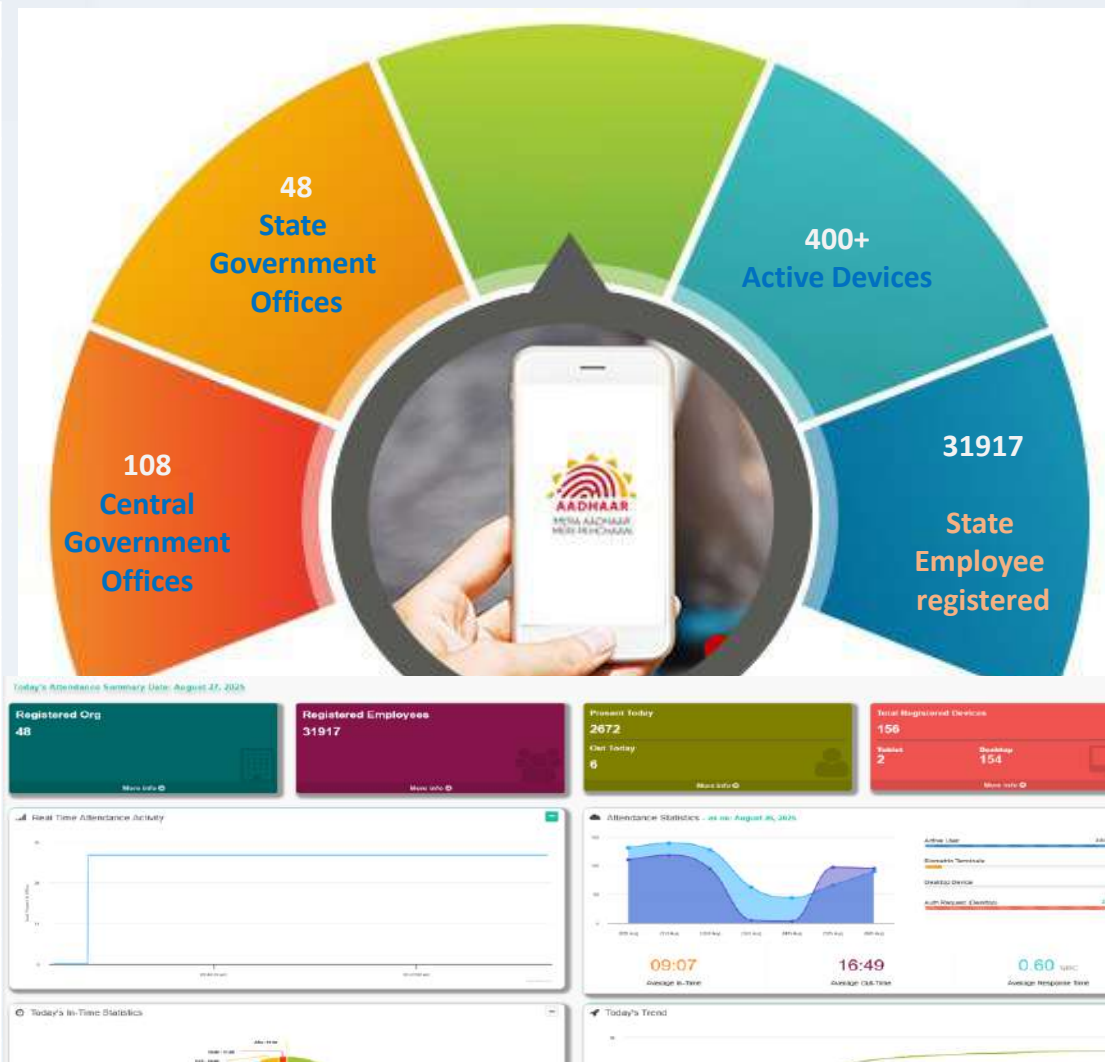
21,650+

DLCs successfully processed

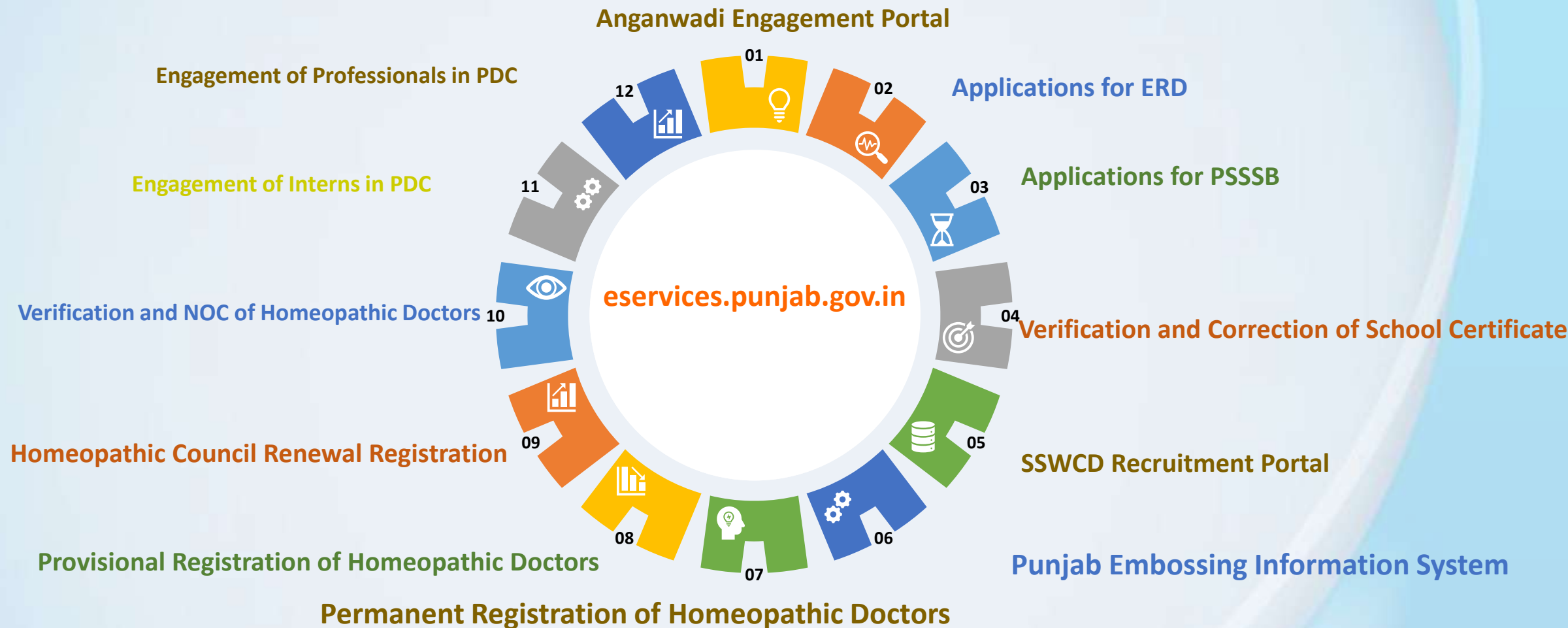


**Successfully implemented in state government offices/Boards/Corporations/Authorities listed below**

Punjab Mandi Board
Punjab State Warehousing Corporation
The Punjab State Cooperative Milk Producers Federation Ltd
Punjab Health Systems Corporation
DGR
Udyog Bhawan (ii) Punjab State Industrial Development Corporation Ltd. (PSIDC)
Udyog Bhawan (iii) Controller of Stores Punjab
Udyog Bhawan (iv) Punjab Small Industries & Export Corporation Ltd (PSIEC)
Udyog Bhawan (v) Northern India Institute of Fashion Technology (NIIFT), Ludhiana and Mohali
Municipal Corporation, SAS Nagar, Mohali
Udyog Bhawan (vii) Punjab Khadi and Village Industries Board
GMADA, PUDA
Town and Country Planning
Directorate General of School Education (DGSE)



Punjab Excise & Taxation Technical Services Agency Patiala
Excise and Taxation Department Patiala
National Health Mission
GLADA
Department of Local Government
Amritsar Development Authority
Bathinda Development Authority
Department of Health and Family Welfare
DC office SBS Nagar
Jalandhar Development Authority
Pushpa Gujral Science City Kapurthala
Punjab Pollution Control Board Patiala
Urban Planning and Development Authority Patiala
Punjab Biotechnology Incubator SAS Nagar
Director Treasuries and Accounts Finance Department Punjab
Punjab State Civil Supplies Corporation Ltd.
Punjab Real Estate Regulatory



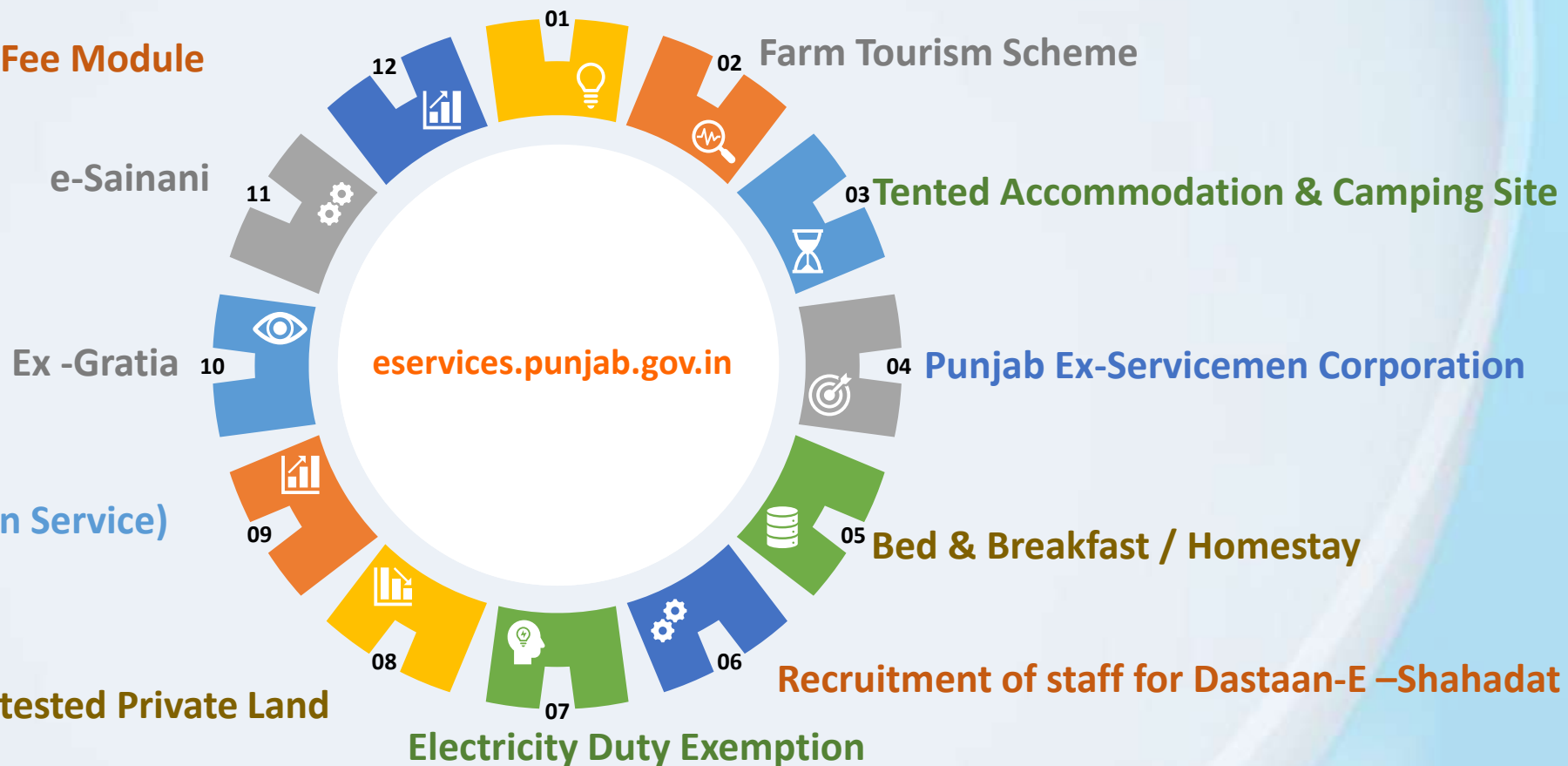
**CITIZEN CENTRIC SERVICES in Punjab**

Developed	85	Under Development	13	Under Testing	4	Ready to Launch	11
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**Polytechnics online Fee Module**

**Accreditation to Journalists**



**CITIZEN CENTRIC SERVICES in Punjab**

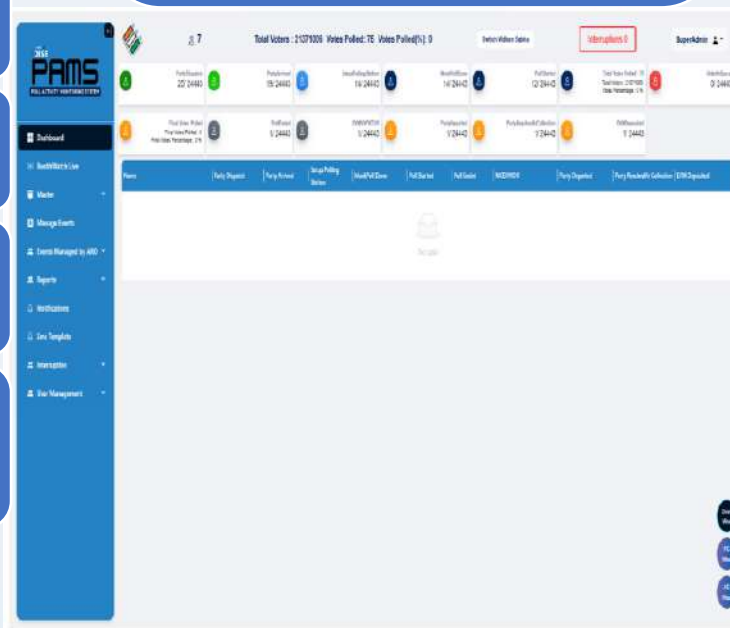
Developed	85	Under Development	13	Under Testing	4	Ready to Launch	11
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# Dashboard for ROs, DEOs and CEO

**Poll interruption to give alert message at higher level. Interruptions deals with law-and-order situation and EVM faulty.**

**PAMS captures pre-poll, polling and post-poll events through mobile app by the officers on field duty and render the data on portal dashboard for monitoring events in real time by senior authorities at state and district level.**

**There are 117 Assembly Constituencies in Punjab and 2084 Sector Officers/Supervisors were deputed at 24737 Polling Booths for carrying out various Election duties. Each Sector Officer/Supervisor was allotted multiple booths.**



**QIS offers a simple process for voters to access real-time queue information via WhatsApp.**

**Through either the location-wise or booth-wise options, voters can effortlessly ascertain queue lengths, facilitating timely visits to polling stations.**

## Step 1

Voters need to send a message by typing 'Vote' to the WhatsApp number 7447447217.

## Step 2

Voters will then receive a link, which on clicking, will present two options: (1) Location Wise and (2) Booth Wise.

## Step 3

For the location-wise option, voters will share their location, which will then display a list of polling booths near their location on the mobile screen.

## Step 4

By entering the booth number, voters will receive real-time information on how many people are standing in the queue at that booth.

## Components

Voter List Updation Module

Voter Lists updated for all the Panchayats, Municipal Corporations, Municipal Councils and Nagar Panchayats.

Know Your Candidate/Unopposed Module

Listed 2 Lakh Contesting /Unopposed Candidates online for public

One Stop Dashboard for ROs, Blocks, Districts and SEC

Information in real time updated through Mobile App on Dashboard by Polling Parties on pre-poll and poll day

Real-Time Event Monitoring on Pre-Poll and Poll Day

Capturing of Events on Pre and Poll Day

Android & IOS based mobile app Result Declaration Module

Result Declaration through RO Mobile App/ RO role in portal.

One solution to monitor Poll activities, Result Declaration, Voter Lists and Candidate Nominations for all six type of local body elections





## User Registration & Profiles

- Sportspersons can register on the portal to avail the various services.
- Maintain player profiles and update old profiles.

## Tournament & Event Management

- Admin can create tournaments, games, and event categories
- Configure events so players see only relevant options for their game.

## Participation & Status Tracking

- Players can apply for participation and track status.
- Players can download their certificates from their logins.

## Role-Based Access & Dynamic Menus

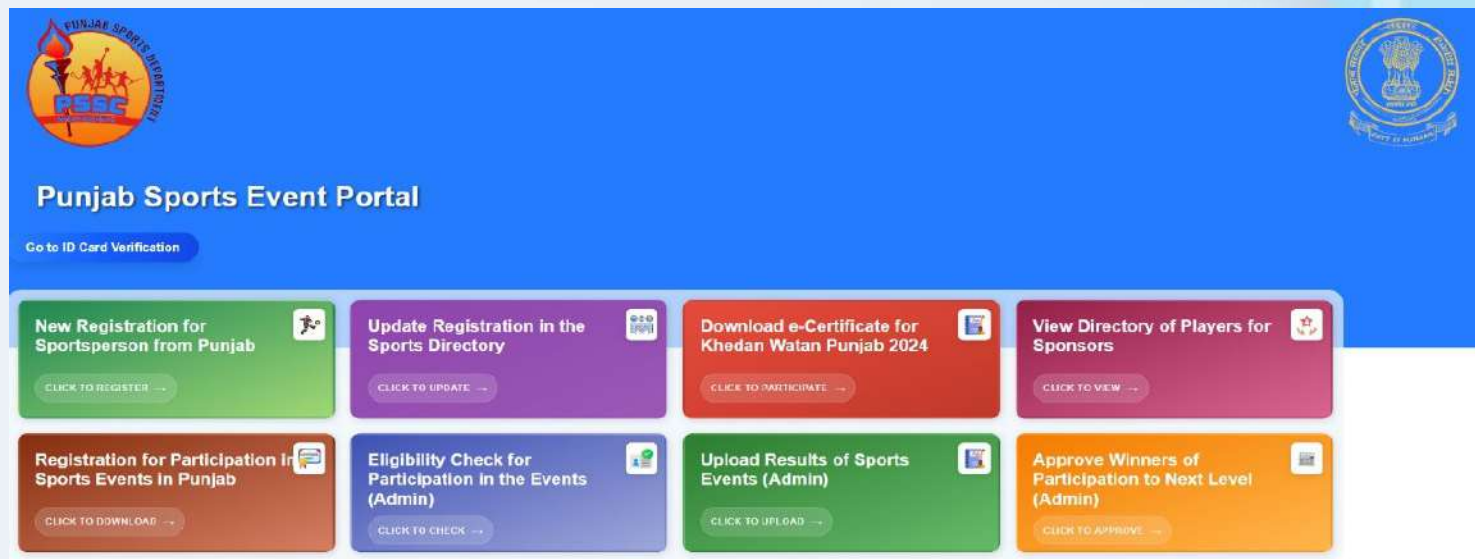
- Admin menus are assigned dynamically based on roles.
- SuperAdmin, DistrictAdmin, BlockAdmin control menu visibility

## File Movement & Workflow Configuration

- Admins can configure file movement in "Manage Task."
- Decide district-level application flow and approvals.

## Results & Approvals

- Upload results of sports events (Admin).
- Approve winners to progress to the next competition stage.



### User Registration & Profiles

- Users can create detailed profiles including tournament achievements and bank details.
- Comprehensive profile helps in attracting sponsors and tracking player progression or achievements.

### Participation & Status Tracking:

- Participants can apply to events quickly after registration as system auto-fills their details. This streamlines application and allows others to apply easily by referencing verified data.

### File Movement & Workflow Configuration

- Workflow are dynamically configurable by state, district, or block authorities.
- Special permissions can be assigned to users, enabling customized actions during file processing.





OxyCare facilitates fast-track the availability of medical oxygen in Health facilities and tracks each oxygen device for providing better services to the patients. Oxygen Concentrators (OCs) and PSA Plants and ventilators are being monitored using this system presently.

Status:

- Oxygen Concentrator delivered/ installed: 2042
- PSA (Pressure swing adsorption )Plant installed : 143
- Ventilators installed : 2042

XLN portal facilitates online submission of application by retailers & wholesalers for the issuance/ monitoring of drugs Sales License. Status:

Online application : 91975, Total License issued : 75229 e-Transaction : 2837722



सत्यमेव जयते

## Department of Drugs Control, Punjab

### XLN - Xtended Licensing, Laboratory & Legal Node



एक रुदन स्वच्छता की ओर


[Citizen](#)
[State](#)
[Contact Us](#)
[Login](#)

#### News

**FIRMS** 27555
 **LICENSE** 57518

**e-Transactions : 3265950**

XLN Statistics

State Ranking

Substandard Batch

TPAV

RPs @ More Than 1 Firm

Licenses in Last 15 days

Recent-Suspension / Cancellation

Notifications

#### New Login ID & PWD

#### Statistics

- 43536 Online Applications
- 42390 Disposed Applications
- 23221 Inspections
- 458570 SMS
- 10 Samples

#### Impotant Links

- [CDSCO](#)
- [NPPA](#)
- [DrugsControl.org](#)
- [IPA Pharma](#)
- [Drug Safety Alerts](#)

While Punjab has setup a network of Out-patient Opioid Assisted Treatment (OOAT) centres and private facilities for de-addiction of patients but medicines meant to heal were vulnerable to pilferage and diversion.

## Challenges:

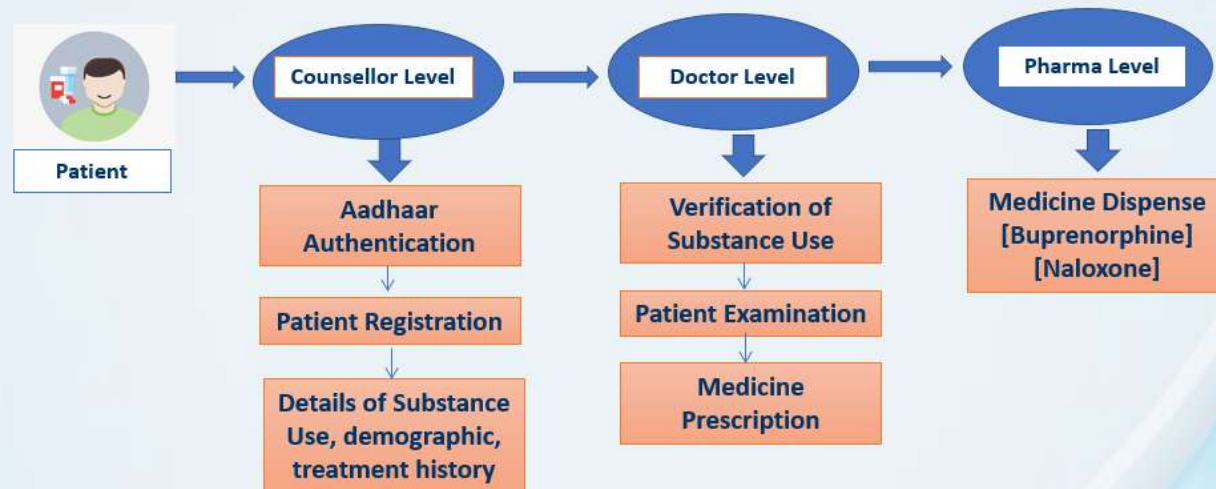
- Patients were enrolled under duplicate identities and fake beneficiaries
- Gaps in manual record-keeping allowed leakages in the supply chain and drug inventories

## Solution:

- DDRP web based portal emerged as a digital shield to secure the de-addiction integrity
- Ensured that medicines reach only genuine patients, every record is transparent, and every dose is accounted for.
- Enhanced by embedding Aadhaar-based biometric authentication, AI-powered face recognition, and real-time inventory management integrated with eAushadhi

## Implementation Status since May 2025:

- Private Treatment centres: 148 (Operational in 23 Districts)
- Government OOAT Centre: 529 (Training done & procuring H/W)



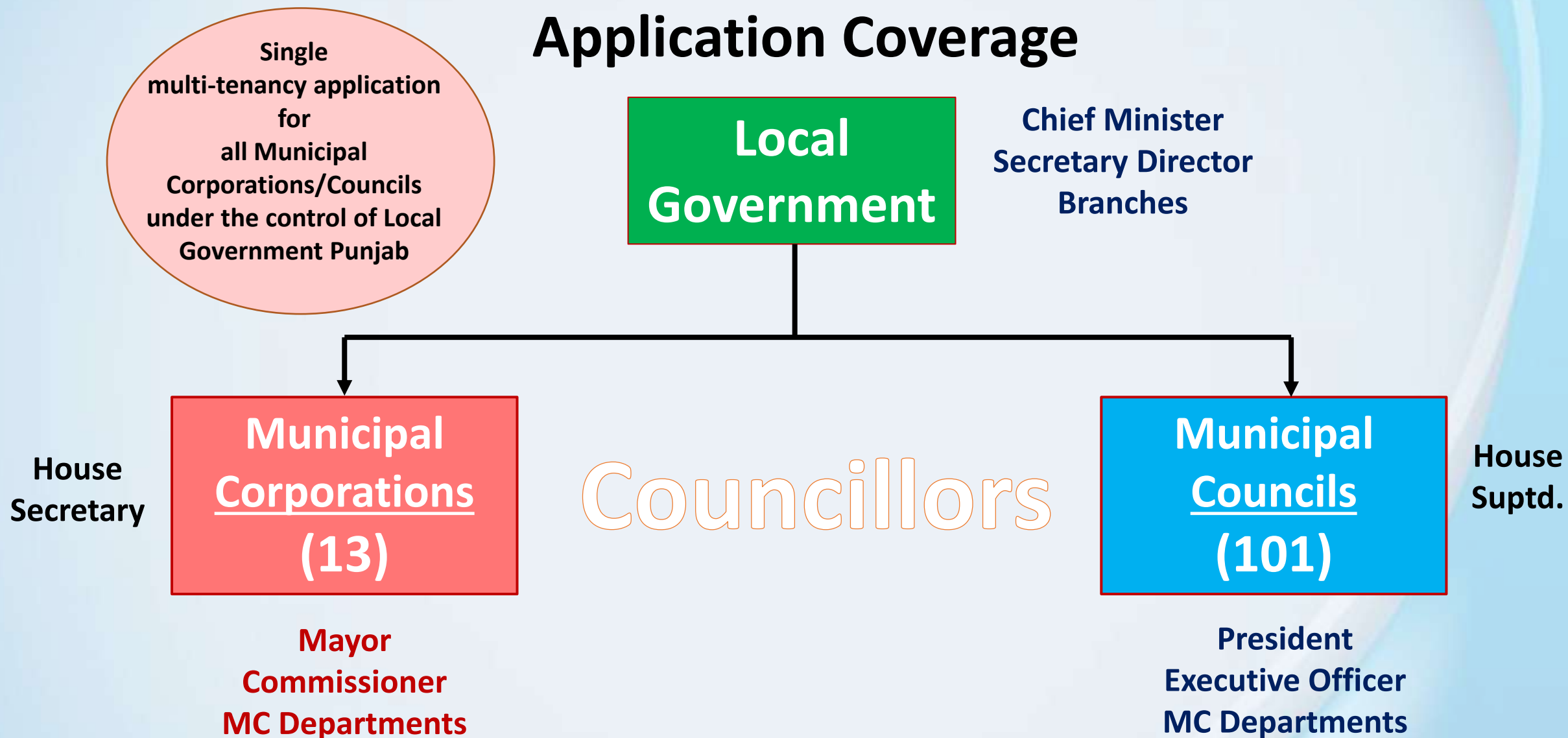
## Cost Saving:

- Secure treatment – Aadhaar + AI checks ensure only genuine patients receive medicines
- No pilferage – Real-time sync with eAushadhi closes supply chain leakages

## Time saving:

- Patient convenience – Cross-centre access reduces dropouts and improves continuity
- Efficiency – Digital workflows speed up enrollment and dispensing, cutting wait times
- Accountability – Dashboards and alerts provide real-time visibility for administrators
- Better planning – Centralized data enables forecasting and evidence-based policy

## Application Coverage





## At each MC level:

- The proposals and various requests are submitted by the Councillors to the concerned MCs.
- After scrutiny and adding estimates/other necessary documents, the proposals are sent to the House Secretary through the hierarchy starting from HoD, Joint Commissioner, Commissioner and Mayor of the concerned MC.
- Agendas are prepared and resolutions are passed by the concerned MCs.
- After adding Commissioner comments, each Municipal Corporation/Council submits the resolutions to the Local Government for approval.

\*  
A cloud based Configurable Product  
for delivering public websites and  
authorised web portals for Local  
Government and MCs using Parichay  
Single Sign-On

\*  
Automate the process involved in  
working of House of the Municipal  
Corporations (13) and Municipal  
Councils (101) of Punjab including  
House Committee (F&CC) and managing  
Ward Areas by the Councillors.

## e-Ward Area Management

- Councillors may send complaints, information or demands of wards to the respective MCs and know the action taken on their requests.
- Ward-wise Monitoring of projects/works

## At Local Government level:

- The Director LG has options either for approval, rejection, sending back for clarification, taking comments from experts at State level or sending for approval to the higher authority of Local Govt. viz. Secretary, Minister and Chief Minister.
- After approval of the resolutions, the Local Govt. authority has to monitor the implementation of approved resolutions in various Municipal Corporations/Councils of Punjab.
- Local Govt. authorities has option to monitor the activities of Wards in each MC of the Punjab.

**One State One Application**  
**First of its kind in India**  
**Implemented at MC Mohali**  
**Pilot test at MC Zirkepuri and LGD**



The Ashirwad Scheme, launched by the Punjab Government, offers Rs. 51,000 in financial aid to economically weaker sections, including SC, OBC, and marginalized communities, for a girl's marriage or remarriage. Renamed from "Shagun" on January 26, 2004, the scheme has been online since July 1, 2021. Applicants can apply via the Ashirwad Portal, ensuring transparent and direct disbursement of funds to their bank accounts. This initiative aims to prevent fraud and provide timely, fair support.

## Key Statistics

**Applicants  
registered - 137792**

**Applications  
submitted - 135262**

**Sanctioned cases  
w.e.f January,  
2025 - 44120**

**Payment released  
- 22.50 Crores**

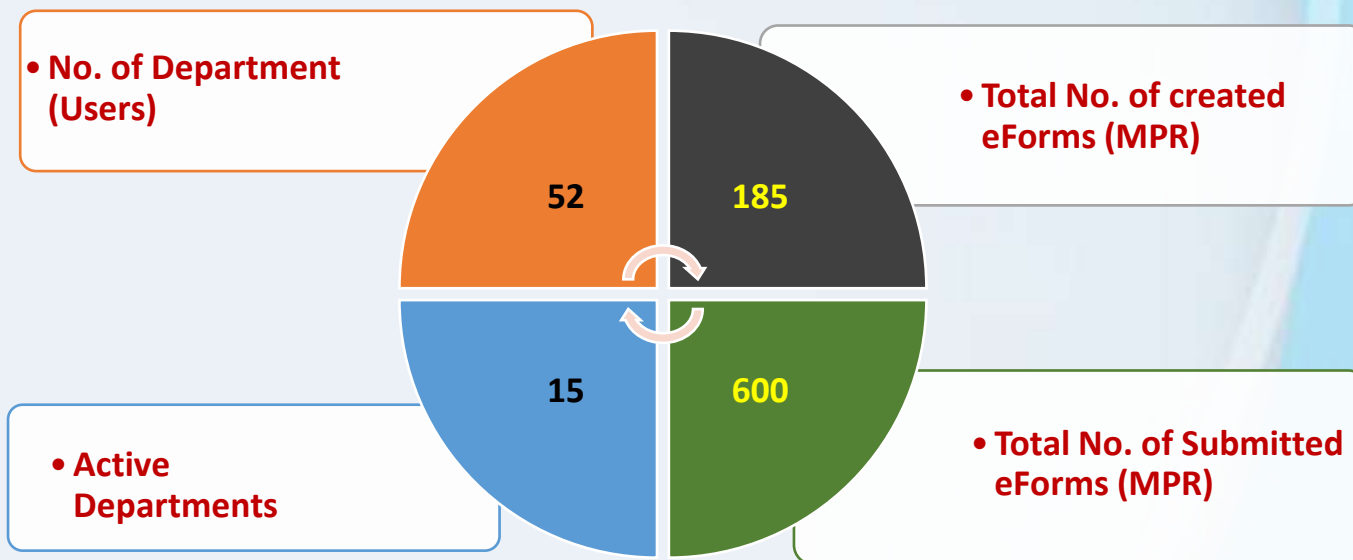
## Key Features

- ✓ Online Application
- ✓ End-to-End Workflow
- ✓ Direct Bank Transfer
- ✓ Aadhaar Authentication
- ✓ 24/7 Accessibility
- ✓ Enhanced Security
- ✓ SMS Notifications

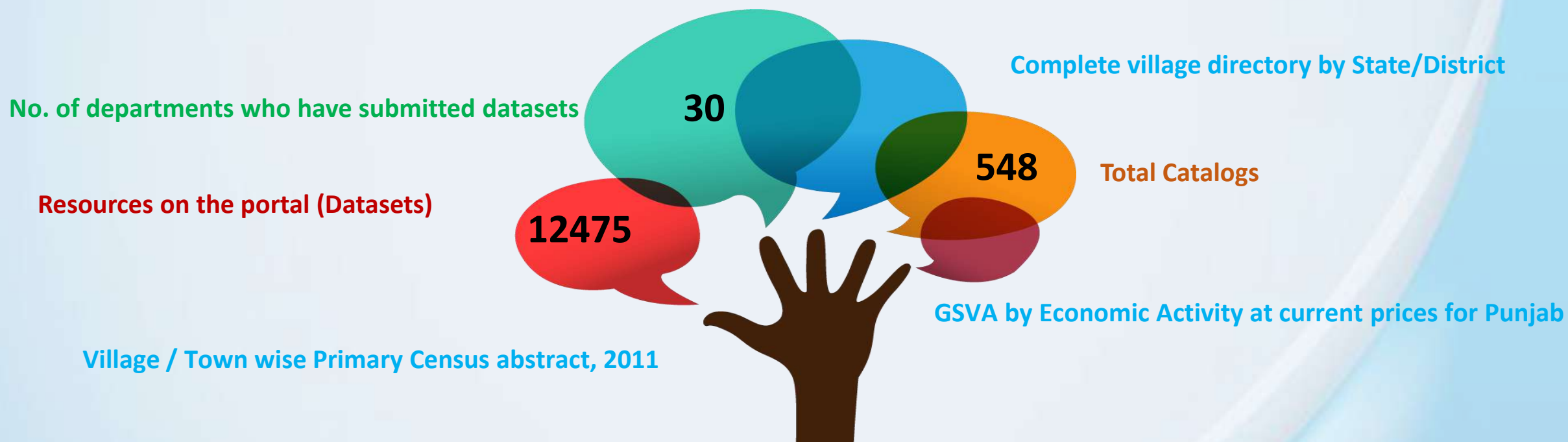
## Benefits

- ✓ Timely Disbursement
- ✓ Transparency
- ✓ Non-Discriminatory Access
- ✓ Improved Monitoring

- ❖ eSamikSha, an online Monitoring and Compliance Mechanism has been developed to fast track the compliance of Action-Point(s)/ Proposals/ Issues/ Projects/ Schemes/ Targets, etc. pending with or within various implementing agencies such as Ministries/Departments/Organizations of State Government
- ❖ The system has been designed in such a way that it will enhance efficiency, bring transparency, reduce the need of protracted correspondence and improve the communication between Government to Government (G2G).
- ❖ eSamikSha Punjab is a key initiative for streamlining monitoring and compliance within the state government. With real-time updates and improved communication, it enhances accountability and responsiveness, contributing to more efficient governance and better service delivery.



The Punjab Data Sharing and Accessibility Policy (PDSAP) is a framework designed to provide access to non-sensitive, publicly funded data from Punjab's government bodies. Aligned with the National Data Sharing and Accessibility Policy (NDSAP), it encourages the release of data in open, machine-readable formats, ensuring it can be freely used, reused, and redistributed without restrictions or licenses by public.



The Mineral Sale Management and Monitoring System (MSMMS) is a web-based comprehensive, end-to-end digital initiative by the Department of Mining and Geology, Punjab. It aims to bring transparency, efficiency, and control over the sale, transportation, and monitoring of minerals across the state. The system helps in regulating royalty collection, preventing illegal mining, and ensuring that all mineral transactions are digitally recorded.

## **Benefits:**

- Promotes transparency and accountability in mineral transactions.
- Facilitates real-time monitoring of vehicles and mineral flow.
- Ensures timely collection of royalty and return filings.
- Minimizes illegal mining and unauthorized transportation.
- Provides analytical insights for better governance and policy-making.

**The first phase of system is under development and UAT**

Three core connectivity having bandwidth 10 Gbps (NIC UT), 10 Gbps (NIC Haryana) and 100 Mbps (NIC UT)

Punjab SWAN Network integrated with NKN/NICNET at the State level as well all the 23 Districts of Punjab state.

Punjab SWAN and Punjab State Data Centre (SDC) connected on 10Gbps and 1 Gbps from NKN-PoP

Separate Inter-District links 1Gbps/100Mbps established to provide network redundancy at the District Headquarter level.

More than 5000 nodes at Punjab Civil Secretariat, Punjab Civil Secretariat II, Punjab Police HQ, Kendriya Sadan, Punjab Vidhan Sabha and Vite Yojna

36 links including 3 Core links, 27 vertical and 6 inter-district links, 82 horizontal links from SHQ and DHQ to various departments.

Established State-of-the-Art Network(including WiFi) in Punjab Vidhan Sabha.

35 institutes under NKN/NMEICT (NIT, State / Central Universities & Research Institutes) connected to high bandwidth network with bandwidth of 1 Gbps and 100 Mbps.

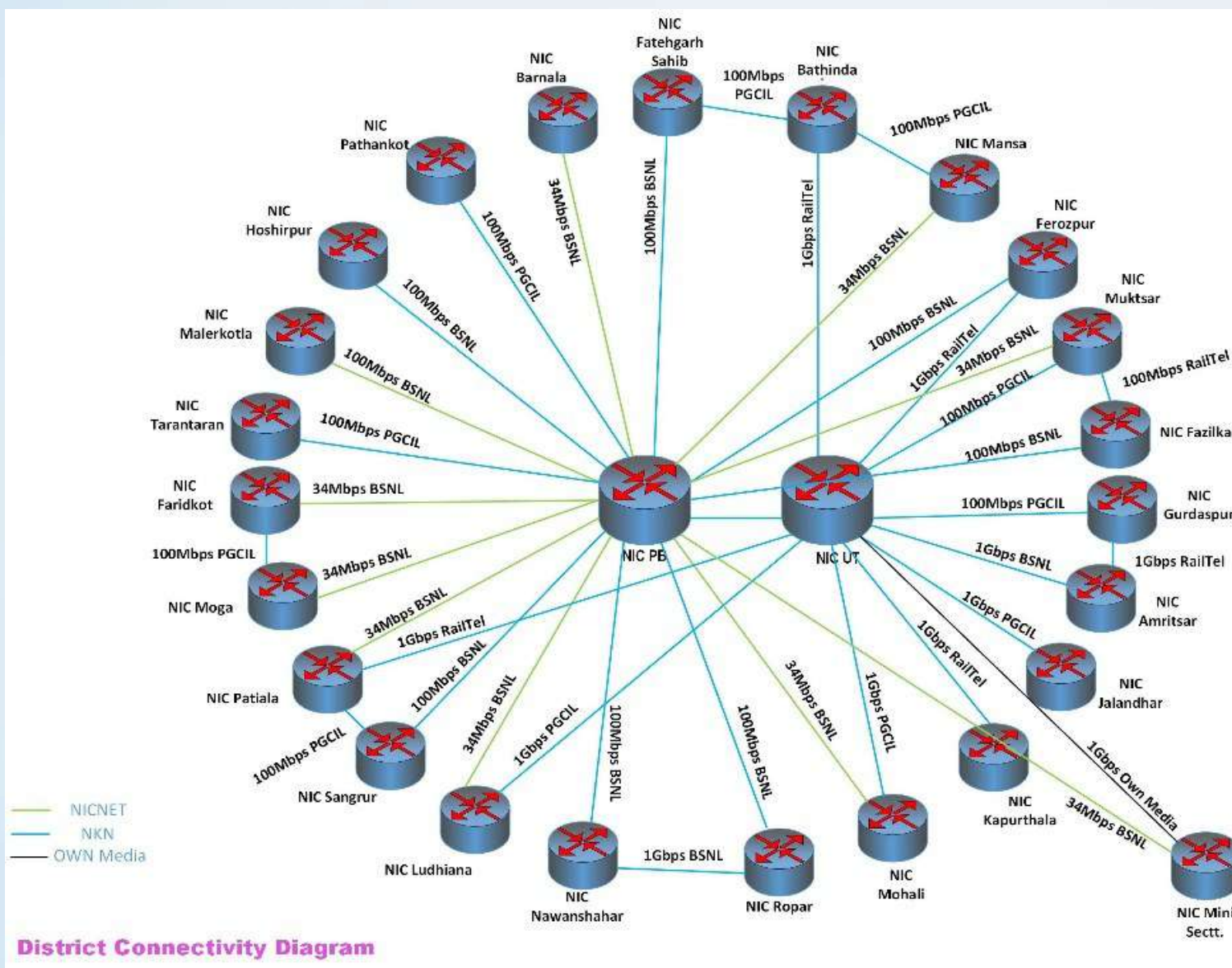
## E-Mail /SMS/IVR Services

Support for more than 1,40,000+ e-Mail addresses for the Punjab government and various entities is being provided on NIC e-Mail. More than 50+ department on-boarded.

## Video Conferencing Facilities

More than 60 plus(NIC VC Studios – 25, Number of studios other than NIC to which support is provided – 35) VC studios have been set up in Punjab under NICNET, at Punjab Civil Secretariat, Punjab Mini Secretariat, District HQs, Government offices etc. Total of 1249 VC sessions were held during January 2024 to July 2025, which include important VC sessions for President of India, PM of India, Cabinet secretary Gol, Minister Government of India, Governor, CM, Minister state government etc.





## Delegated Admins:

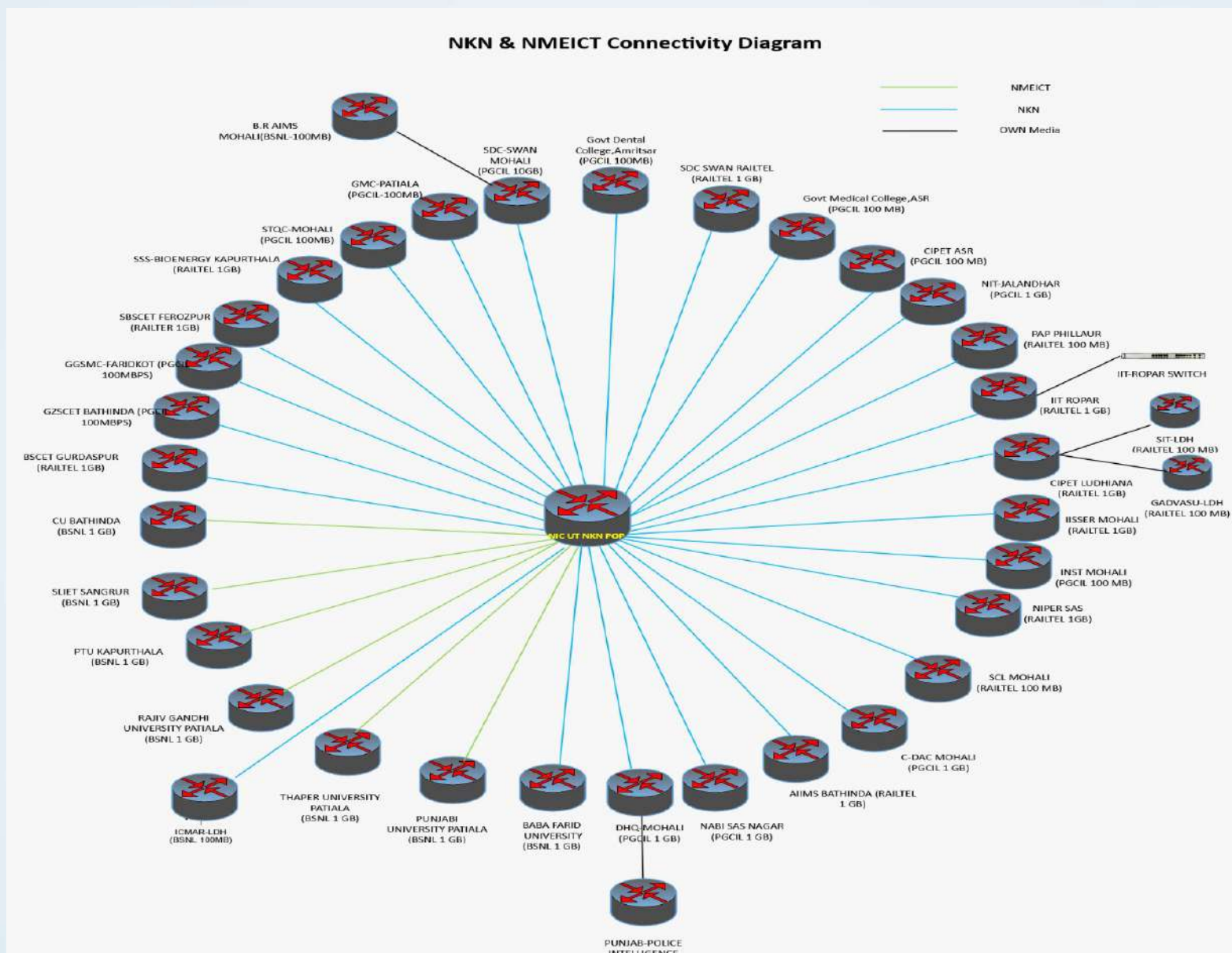
[Punjab.gov.in](http://Punjab.gov.in)  
[Punjabpolice.gov.in](http://Punjabpolice.gov.in)  
[Punjabinfotech.in](http://Punjabinfotech.in)  
[Nabi.res.in](http://Nabi.res.in)  
[Ciab.res.in](http://Ciab.res.in)  
[Verka.coop](http://Verka.coop)  
[Aimsbathinda.edu.in](http://Aimsbathinda.edu.in)  
 Patiala Locomotive Works  
 Rail Coach Factory Kapurthala

## Top Email Users

- ✓ [Punjab.gov.in](http://Punjab.gov.in)
- ✓ [Punjabpolice.gov.in](http://Punjabpolice.gov.in)
- ✓ [Peda.gov.in](http://Peda.gov.in)
- ✓ [Punjabinfotech.in](http://Punjabinfotech.in)
- ✓ [Psdm.gov.in](http://Psdm.gov.in)
- ✓ [Ppcb.gov.in](http://Ppcb.gov.in)
- ✓ [Pmb.gov.in](http://Pmb.gov.in)
- ✓ [Prsc.gov.in](http://Prsc.gov.in)

## Top SMS Users

- ✓ DIPR Punjab
- ✓ Department of Excise
- ✓ PBSTCL
- ✓ DoGR, Government of Punjab
- ✓ Punjab Mandi Board
- ✓ AG Punjab



## Initiatives planned

Designed and developed Extractive Question Answering Model Securing national rank 3 in AI Hackathon 2022

Designed and Developed AI Model for Gender Classification from the given image of individual for CEO Punjab

Developed and rolled-out AI based Participant Event Photo Sharing System (PEPS)

Development of AI Model for reading of tail gauge installed in irrigation canal is in progress

Development of AI Model for reading data from screen and populating into CSV is in progress

AI Model to query a database in natural language

Model to detect invalid images based on orientation, non-face, multi-face, resolution and lighting conditions

Model for sentiment analysis/classification on documents, news items and articles

AI Model for extracting name of buyer, seller and details of land from registration document

Generative model for orders, memos, show-cause notices

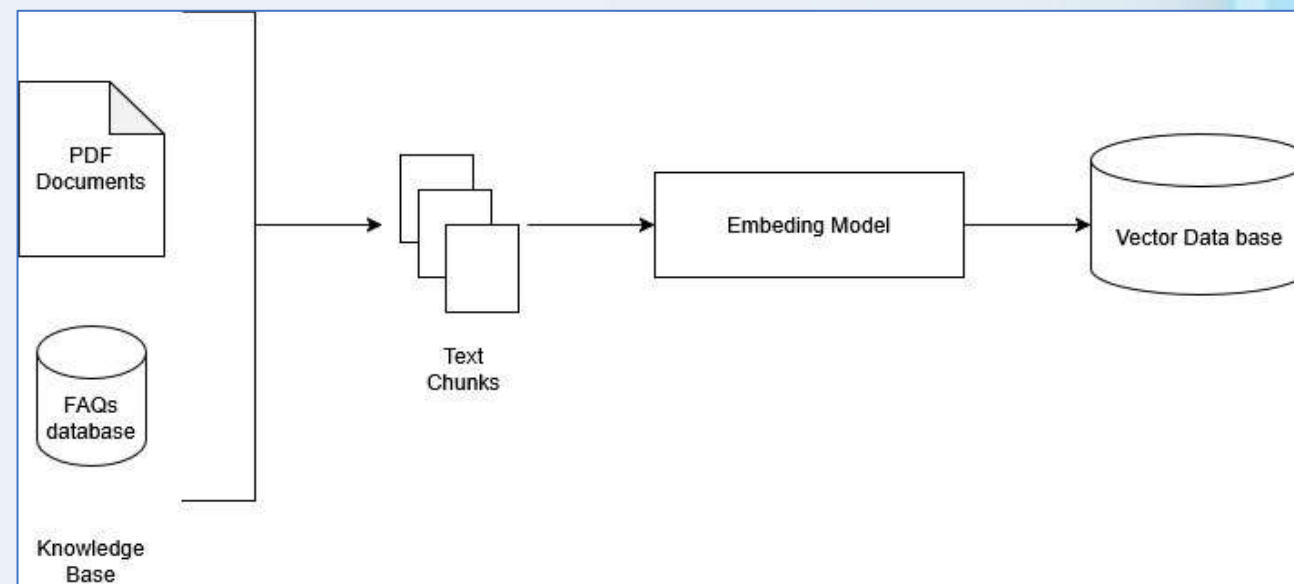


- Aimed at facilitating the participants of a conference, workshop, training or any other official event to **view and download their own photographs** from among all the images of the event.
- **AI based face recognition** techniques to tag the faces in an image.
- Successfully rolled out for **Workshop on DPDP (Digital Personal Data Protection) Act, DIO Meet and iGot Karmayogi Workshop**.



## Introduction

- ❖ RAG = Information Retrieval + Generative AI
- ❖ Uses internal project data (manuals, FAQs, Q&A)
- ❖ Retrieves top relevant chunks
- ❖ Generates accurate, context-based answers using LLM



## Benefits of RAG over Direct LLM

**No Constraint of Context Window:** Stores millions of records; retrieves only relevant chunks and pass to LLM.

**Fewer Hallucinations:** Answers grounded in real, retrieved data → higher accuracy.

**Data Privacy:** Keep info local (e.g., pgvector) → secure and compliant.



# Other Major Applications

**01**

**SPARROW** - Implemented in Punjab for IAS, IFS, IRS and IPS Officers

**02**

**ePanchayat** - e-Governance system in Panchayati Raj Institutions to make them efficient, transparent and accountable in carrying out their assigned responsibilities

**03**

**PM KISAN** - 21 Lakhs plus beneficiaries under the scheme have been identified by the State

**04**

**MGNREGA** - A web based system facilitates for online data entry, issuing job cards and monitoring of work allocation and funds under NREGA

**06**

**NSAP** - It comprises of Indira Gandhi National Old Age Pension Scheme (IGNOAPS), Indira Gandhi National Widow Pension Scheme (IGNWPS), and Indira Gandhi National Disability Pension Scheme (IGNDPS).

**07**

Implementation of eGranthalaya

08

**NSP** - Common electronic portal for implementing various Scholarships schemes launched by Union Government, State Government and Union Territories across the country.

09

**WAMSI** - Computerize the process of Properties Registration, Muttawalli Returns, Leasing of Properties Management, Litigations Tracking Management, Documents Archiving & Retrieval Management, GIS of Waqf Properties, Funds Management to Mosques, Durgah, Kabristan, Imams, Muazzins, Widows, Girls, Schools, Hospitals, Dispensaries, Musafirkhanas etc...

10

**CPPP** - It facilitates all the Central Government Organizations to publish their Tender Enquiries, Corrigendum and Award of Contract details.

11

**NADRS** - In Punjab 141 blocks, 22 districts are under the ambit of this project.

12

**India Code Portal** - Digital repository for all central and state acts, Successfully implemented in Punjab.

13

**Web Portal for Local Government** - A comprehensive, secure web portal developed to disseminate information related to department.

# IVFRT

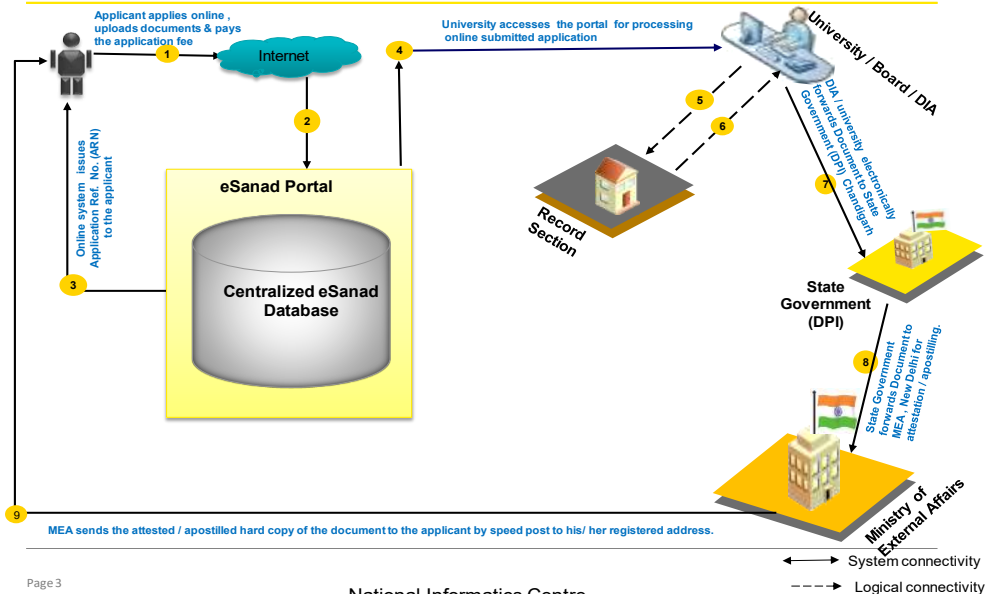
**e-Sanad**

A centralized platform for contactless, faceless & paperless document Verification/attestation Service

<https://esanad.nic.in>

STEP 1 Registration, STEP 2 Document Upload, STEP 3 Fee Payments, STEP 4 Document Verification

## Process Flow



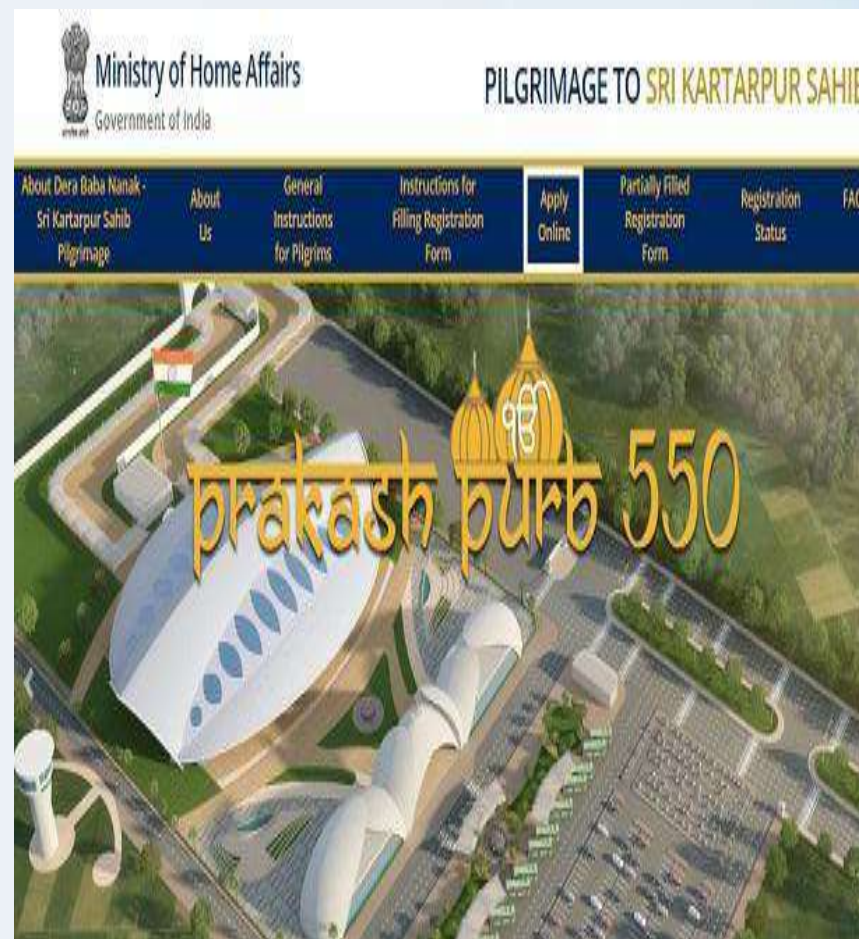
# Institute/DIO Name	Received	Rejected -	DIA -Processed	State Processed	MEA Processed
1 Office of Deputy Commissioner, Mohali	645	66	574	568	568
2 Office of Deputy Commissioner, Ludhiana	4263	353	3519	3519	3491
3 Office of Deputy Commissioner, Patiala	2823	117	2657	2649	2630
4 Office of Deputy Commissioner, Amritsar	2928	179	2649	2627	2622
5 Office of Deputy Commissioner, Barnala	414	29	375	372	370
6 Office of Deputy Commissioner, Bathinda	305	15	279	278	278
7 Office of Deputy Commissioner, Faridkot	210	51	158	157	157
8 Office of Deputy Commissioner, Fatehgarh Sahib	1128	79	1023	1022	1007
9 Office of Deputy Commissioner, Ferozpur	577	47	474	474	463
10 Office of Deputy Commissioner, Fazilka	74	9	65	59	58
11 Office of Deputy Commissioner, Gurdaspur	4414	291	3982	3979	3970
12 Office of Deputy Commissioner, Hoshiarpur	11263	632	10342	10336	10291
13 Office of Deputy Commissioner, Jalandhar	14202	494	13378	13373	13287
14 Office of Deputy Commissioner, Kapurthala	8918	180	8320	8318	8290
15 Office of Deputy Commissioner, Malerkotla	267	47	207	201	199
16 Office of Deputy Commissioner, Mansa	133	7	126	126	125
17 Office of Deputy Commissioner, Moga	1147	50	1069	1065	1055
18 Office of Deputy Commissioner, Sri Muktsar Sahib	132	16	110	104	104
19 Office of Deputy Commissioner, Pathankot	524	35	480	477	476
20 Office of Deputy Commissioner, Rupnagar	1405	85	1280	1272	1272
21 Office of Deputy Commissioner, Sangrur	588	43	542	537	533
22 Office of Deputy Commissioner, Shaheed Bhagat Singh Nagar ( NawanShehar)	7277	309	6876	6836	6823
23 Office of Deputy Commissioner, Tarn Taran	1703	68	1622	1600	1600
24 PUNJAB SCHOOL EDUCATION BOARD	97	0	0	0	0
25 Baba Farid University of Health Sciences	3	0	0	0	0
26 Indian Institute of Technology Ropar	0	0	0	0	0
27 CT University	16	0	0	0	0
28 Chitkara University	2	0	2	2	2
29 Chandigarh University	284	43	237	230	223
30 Lovely Professional University (LPU), Punjab	305	91	211	206	202
31 GNA University, Punjab	10	4	6	6	6
32 Thapar Institute of Engineering And Technology	17	0	4	4	4
33 I.K. Gujral Punjab Technical University	63	0	0	0	0
34 RIMT University	19	1	17	16	16
35 Amity University	5	0	0	0	0
36 Akal University	0	0	0	0	0
37 Adesh University	0	0	0	0	0
38 Central university of Punjab	0	0	0	0	0
39 Panjab University	32	0	0	0	0
40 Guru Nanak Dev University	47	0	19	19	19
41 Rajiv gandhi National University Of Law	1	0	1	1	1
42 Indian Institute of Science Education and Research	12	2	0	0	0
43 Plaksha University	0	0	0	0	0
<b>Total</b>	<b>66253</b>	<b>3343</b>	<b>60604</b>	<b>60433</b>	<b>60142</b>



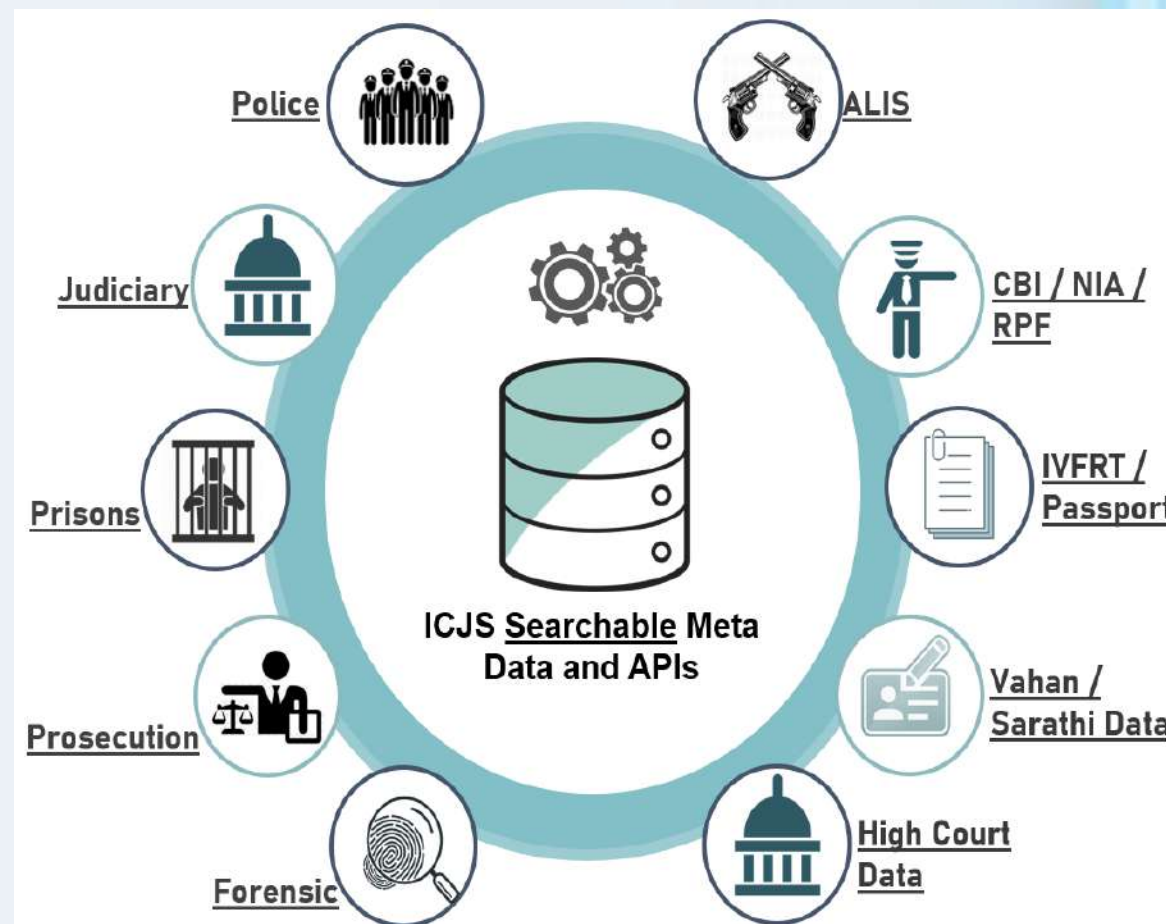


<p>Foreigner Regional Registration Office, Amritsar</p>	<p>Dera Baba Nanak ,Integrated Check Post Counters Arrival – 34 Departure -34 Daily Average Passenger -400</p>	<p>Sri Guru Ram Dass International Airport, Amritsar Counters Arrival-14 Departure -12 Visa on Arrival -6 Daily Average 2000 passengers</p>
<p>ICP Wagah Road Counters Arrival – 9 Departure -9 Daily Average Passenger – 150</p>	<p>ICP, Attari Rail, Amritsar Counters Arrival -16 Departure- 16 Daily Average Passengers – 200</p>	<p>Chandigarh International Airport, Mohali Counters Arrival- 12 Departure-9 Daily Average Passengers – 220</p>

- Online Registration of the Pilgrims to Visit Sri Kartarpur Sahib.
- Security vetting of the registered pilgrims by the concerned district police authorities and intelligence agencies
- Compilation of the list of the pilgrims to visit Kartarpur Sahib on daily basis by MHA
- Share the data of the pilgrims with Pakistani authorities for clearance prior to visit to Kartarpur sahib
- Upload the data of the pilgrims cleared and issue ETA (Electronic Travel Authorization) letters to pilgrims through email
- Verify the data, documents and capturing of the biometrics of the pilgrims at departure counters of the ICP DBN
- Validate the biometrics of the pilgrims at arrival counters of the ICP DBN
- Immigration Counters :- 68 [ Departure 34 and Arrival 34 ]
- On average daily 400 pilgrims pay obeisance at Sri Kartarpur Sahib in Pakistan



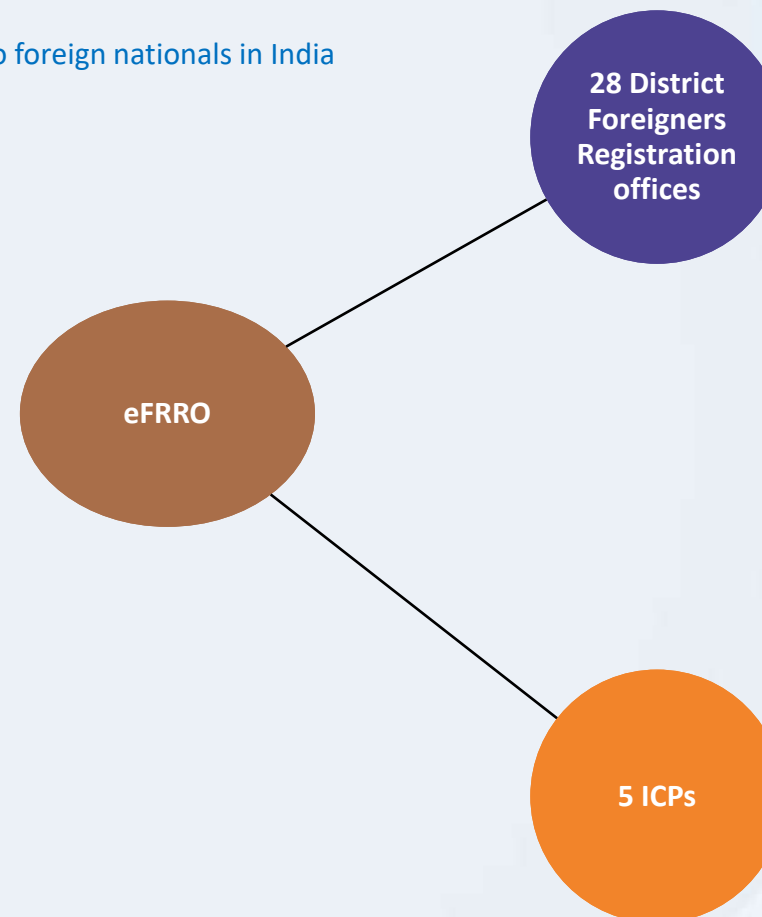
- ✓ Interoperable Criminal Justice System (ICJS) has been conceptualized with an objective to facilitate delivery of justice by digitizing and inter-linking the data exchange among the Police, Courts Prosecution, Forensics and Prison.
- ✓ All the five constituent pillars of justice have been integrated for fast delivery of justice.
- ✓ Recently more pillars have been integrated with ICJS to broaden its scope.
- ✓ Implemented in 250 police stations, Intelligence Department, SSP offices, Punjab Police HQ.
- ✓ NyayShruti – A National VC Framework for the Criminal Justice System. Courts will be able to hear Witnesses through Video Conferencing after scheduling done by respected court. Pilot implementation done in district Patiala.
- ✓ eSakshya – A Platform to record All Videography, photography of evidences and stored on e-evidence Server to streamline the collection, exchange and management of digital evidence
- ✓ eSummons – Generation, Transmission, execution of summons electronically from the courts to the Police Stations and also to the person to whom the summon is to be sent.



## eFRRO

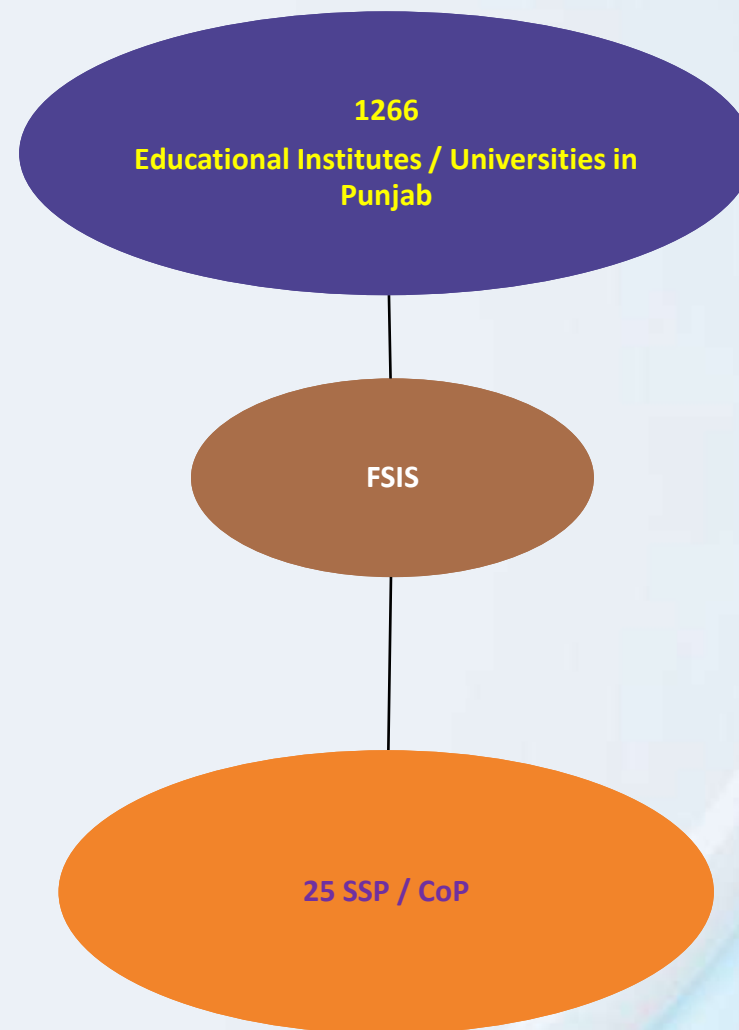
eFRRO is a workflow based web application for rendering various services to foreign nationals in India

- ✓ Registration,
- ✓ New Visa / Extension of Visas
- ✓ Exit Permits
- ✓ Temporary Landing Permits
- ✓ Restricted Area Permits
- ✓ Prohibited area Permits
- ✓ Police Clearance Certificates
- ✓ Other miscellaneous services



## FSIS

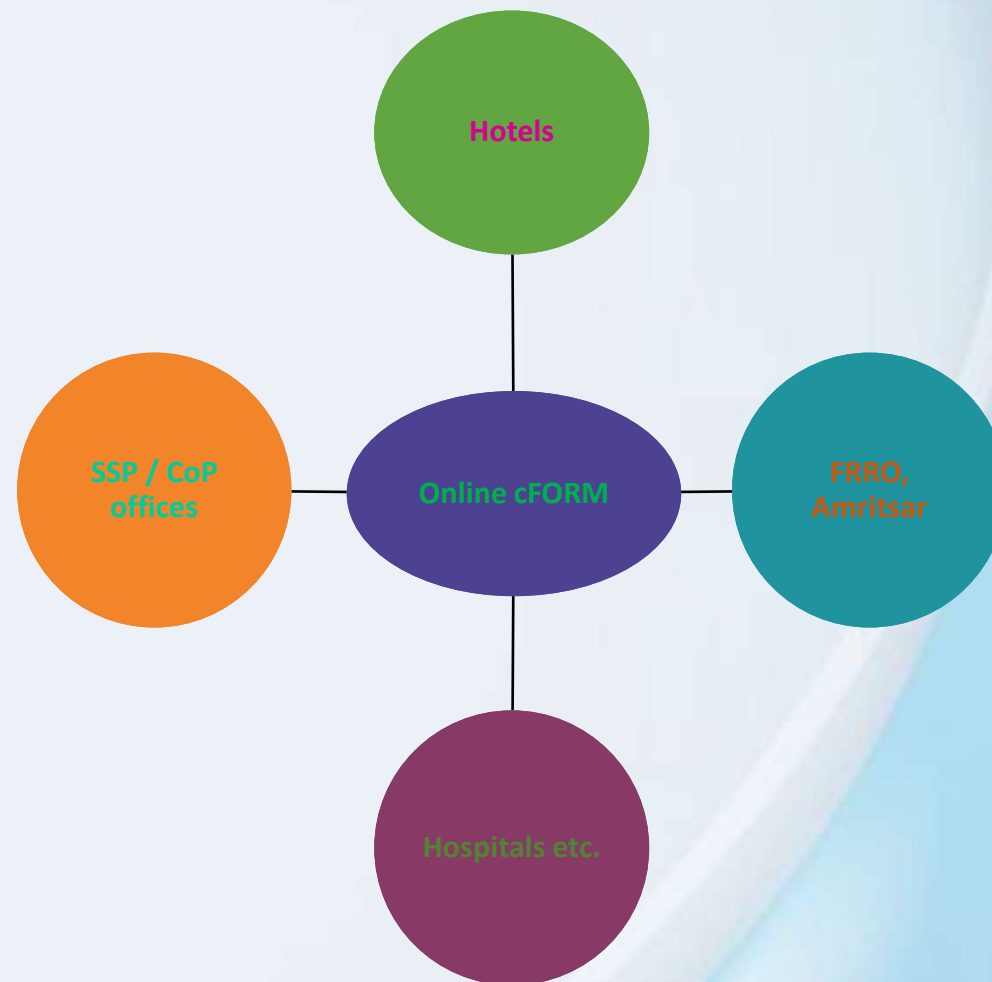
- ✓ Foreign Students Information System is a light weight web based Application used for capturing the data of foreign students enrolled in Educational institutes / Universities by the educational authorities in Punjab.
- ✓ Role Based functionalities for Institutions, FRROs/FROs and Ministry of Home Affairs.
- ✓ Facility to keep track of the foreign students by the respective FROs / SSP offices in Punjab
- ✓ The information including multiple passport, visa, course and academic performance is shared through UCF (Unique Case File).





## Online cFORM

- ✓ cForm is web based application used for capturing the data of foreigners checking in hotels, guest houses and homestays.
- ✓ cForm is also mandatory for foreigners visiting India for medical treatment and staying in hospitals, hotels etc.
- ✓ cForm is also compulsory for foreign students staying in hostels of educational institutes / universities.
- ✓ SSP office of the concerned district can generate reports based on various parameters to keep track of the foreign nationals in their respective jurisdictions.

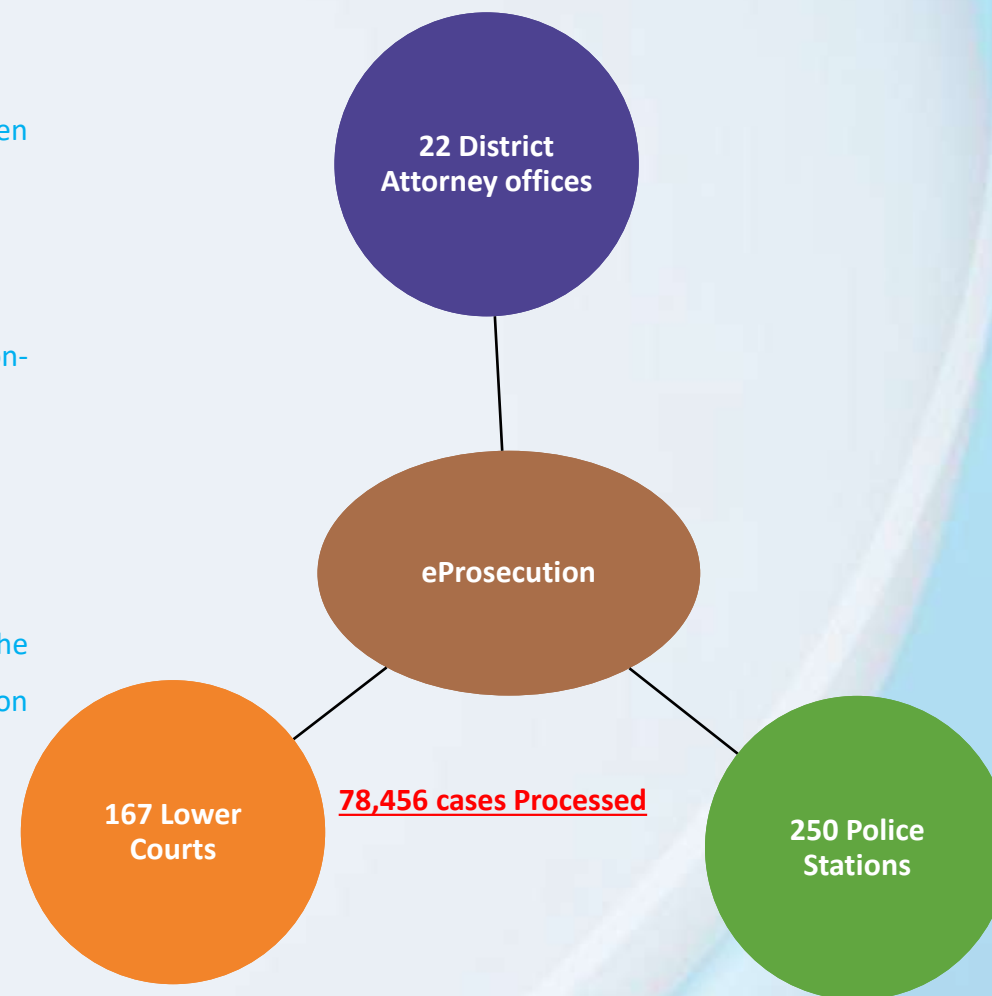


## Introduction

- ✓ e-Prosecution portal is a platform which provides electronic communication between Police department and Prosecution department.
- ✓ e-Prosecution is integrated with CCTNS (FIR Data) and eCourts systems.
- ✓ e-Prosecution platform enables police station to refer and get legal opinion for FIR / non-FIR cases and scrutiny of draft charge sheets electronically from District Attorney offices.

## Objective

- ✓ The main objective of the application is to create a platform which makes the communication quick and transparent between police stations and prosecution department for faster delivery of justice.



## Responsibilities

- ✓ Rollout of NDAL-ALIS in 28 Arms Licensing branches in DC / ADC and Commissionerates of Police in Punjab.
- ✓ State admin for NDAL-ALIS for the administration of district admin users
- ✓ Training of DIOs and officers / officials of DC /ADC/ CoP
- ✓ Technical support and capacity building of officers / officials
- ✓ Coordination with the development team for incorporation of any changes in NDAL-ALIS

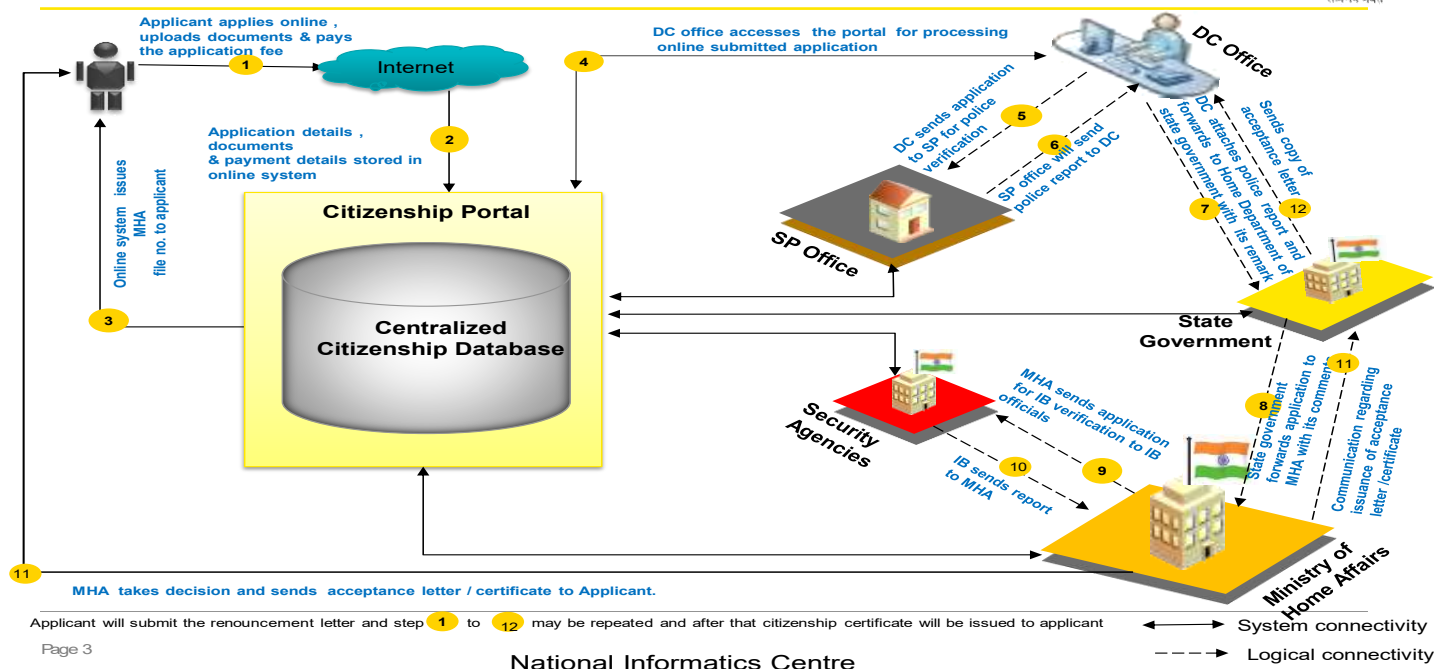
**1224**  
Arms Dealers and  
Manufacturers in  
Punjab

**4,50,352** Arms  
Licenses digitized  
in NDAL across all  
districts in Punjab

**4,41,112** UID  
Unique  
Identification  
Numbers  
generated.

Online Indian Citizenship is a paperless, cashless and faceless software solution for processing the citizenship applications of the foreigners to acquire Indian citizenship.

## Process Flow



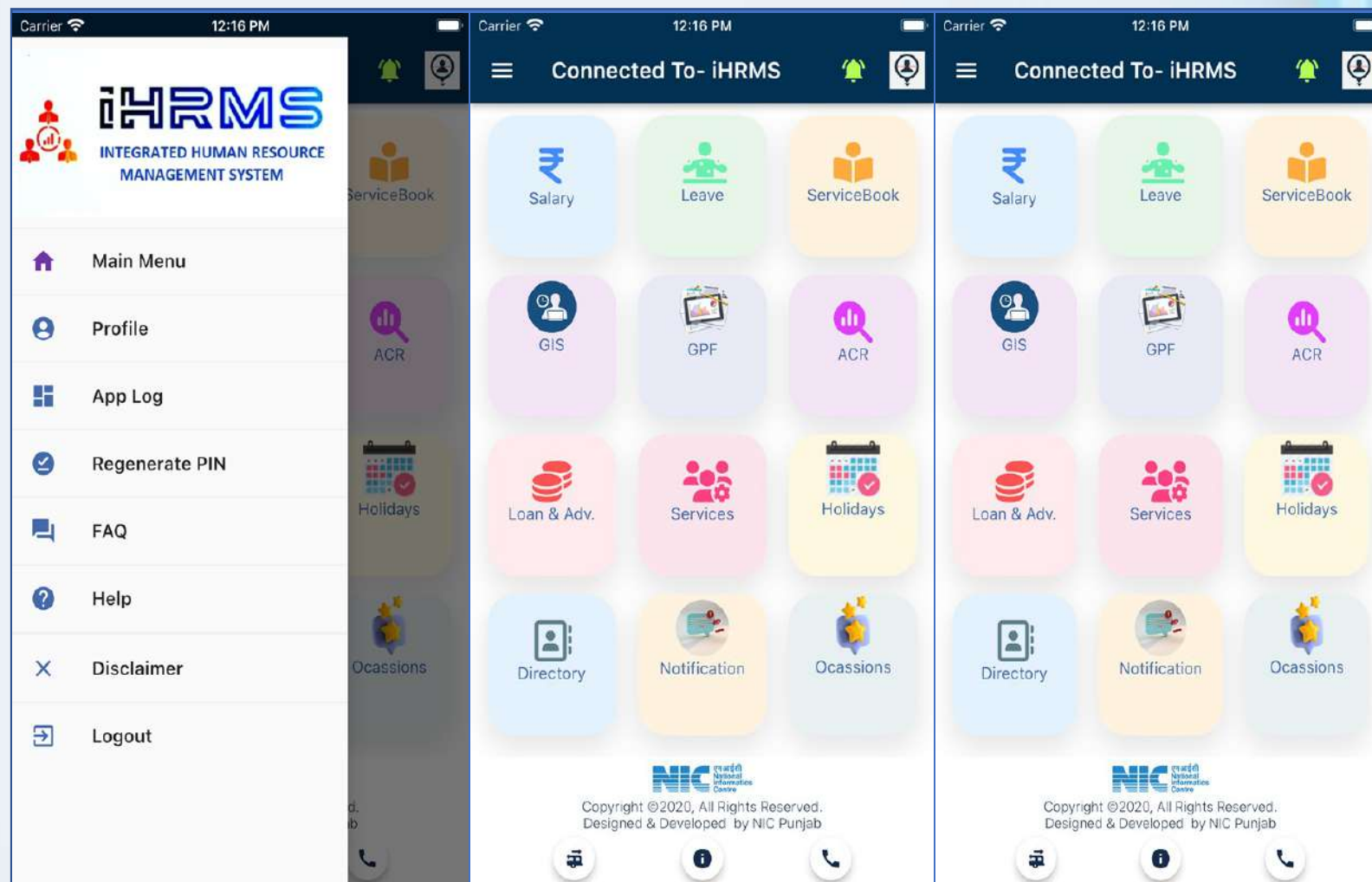
# Mobile Apps



## iHRMS

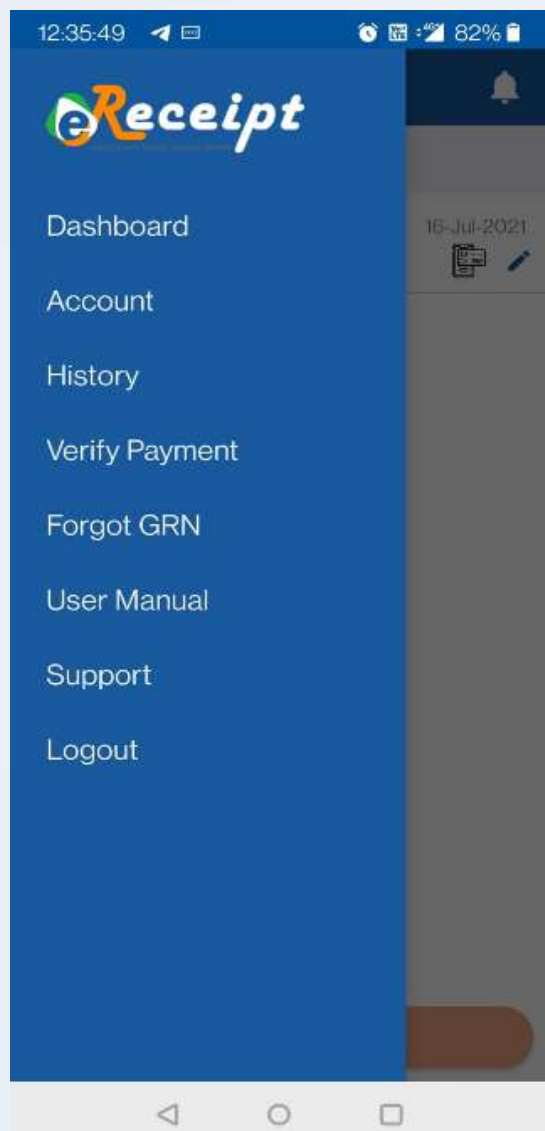
Integrated Human Resource Management System is an integrated application for managing HR activities of employees in Punjab. The system updates data of 3.60 Lakh employees regarding their Service, Salary, GPF, GIS, Arrears, Increment, Property Return, ACR, Leave management etc.. iHRMS App, developed by NIC- Punjab is an **hybrid app** developed using Flutter/Dart facilitating employees to view their Service details, Pay Slip, TDS, Annual Salary Statement (current and projected), requests for increasing / decreasing income tax deductions, apply GPF withdrawals, viewing GPF Ledger & Statement, GIS Statement, apply leave & view leave approval status and viewing Leave Ledger etc.. This application also show general/analytical Dashboard to various administrators.

The app download count is 1.5 Lakh Plus.



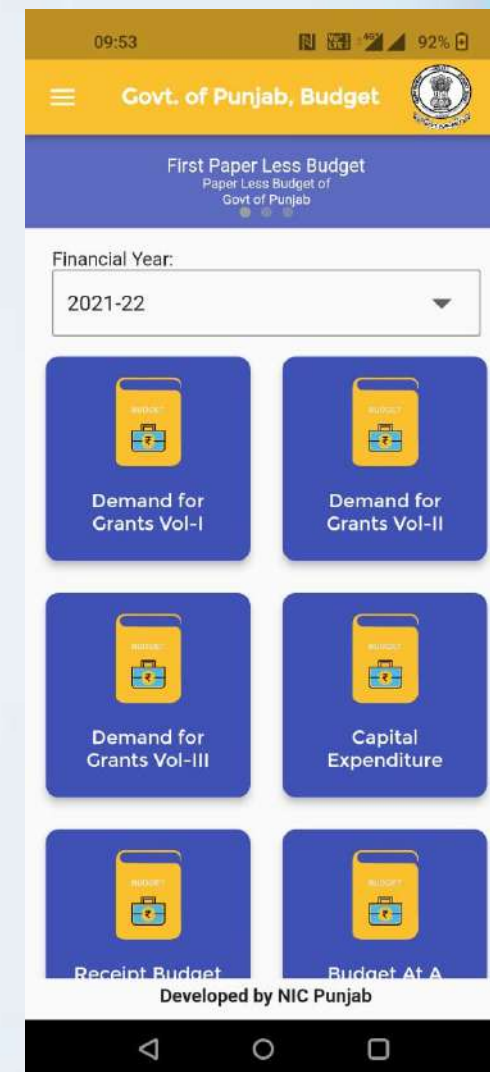
## eReceipt IFMS

eReceipt Mobile App facilitates collection of Tax/Non-Tax revenues in both Online (via NetBanking, Debit/Credit Card, Airtel Payment Bank, UPI Payments (Google Pay, PhonePe, Bhim App, PayTM and Amazon Pay) as well as Offline mode (via RTGS).



## eBudget

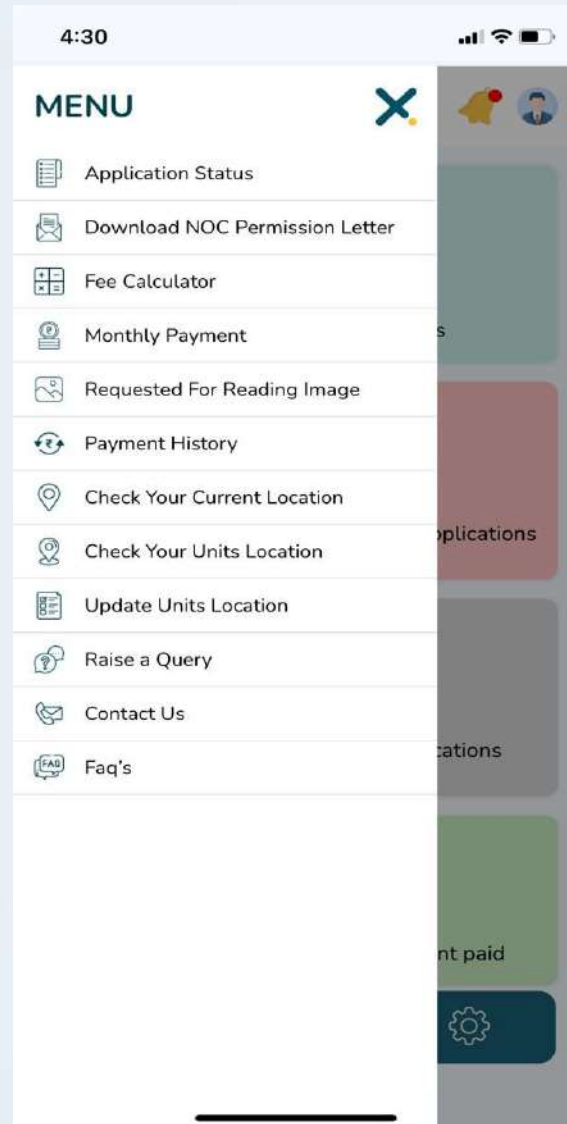
Govt. of Punjab has launched its first paperless Budget for FY 2022-23 through this Mobile App. It also facilitates taking Feedback from citizens of Punjab.



## PWRDA Mobile App

Monthly Payment module, which is an integral part of NOC module has been developed and requirement of this module is for managing the unit wise monthly water meter reading, collecting ground water charges and levying late fee etc. on non-compliance of the PWRDA directions.

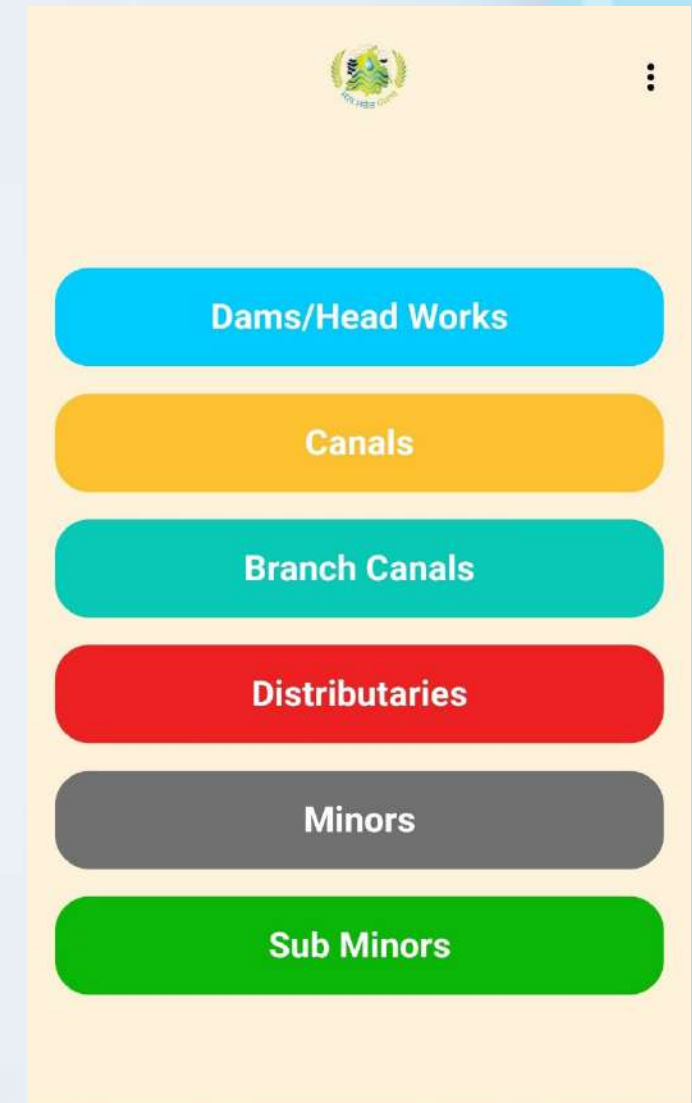
Mobile App has been developed for Monthly Payment module in which applicant can login and submit its unit wise water meter monthly readings through mobile app and can make payment.



## PCRIS Mobile App

The Punjab Canal Regulation Information System (PCRIS) has been developed as a state-of-the-art ICT solution to streamline and enhance the management of Punjab's canal water. This platform is designed to optimize the operation and maintenance of the state's expansive canal network, ensuring efficient water management throughout the region. It has other features also as:

- No registration for public
- Status of canals (Level, discharge etc.)
- Creating favorite list of canals etc.
- Feedback/ Query page
- Geo Fenced Reading Entry
- Role-based dash for officials



## BOCW & Labour Welfare Board( Punjab Kirti Sahayak)

Its objectives are as:

- Registration coverage to all Construction Workers
- Social Security umbrella to all Construction Workers
- Optimal utilization of Cess Fund
- Creation of Construction Worker Database.

## Dr. Ambedkar Scholarship Application Mobile Application

Application Number	78176	Application Type	Renewal Application	Scheme Name	Post Matric Scholarship Scheme for OBCs/EBCs/DNT
<b>Personal Details</b>					
Student Name	Richa	Gender	Female	Father's Name	gste
Annual Income	₹ 0	Date of Birth	04/03/2025	Mother's Name	weyry
Category	SC	Religion	Hindu	De-Notified Tribes	No
Special Category	NA	Aadhaar (UID) No	XXXXXXXXXXXX	Tribe Name	N.A.
<b>Academic Details</b>					
Institute	Agarsain Ayurvedic College Amritsar	Tehsil	Amritsar (1)	Course	Diploma [3 Years] / Architectural Assistantship/2Year
Hostler	No	10th Class Details	C.B.S.E. Board/1991-1992/dfde4435	Enrollment	ffg5555
Attendance	78.88	Admission Date	10/03/2025	Examination Year	1991-1992
<b>Contact Details</b>					
Correspondence Address	hhdsdgs	Permanent Address	Amritsar (1)	Contact Number	2543244534
<b>Declaration</b>					
I, Richa D/o gste hereby declare that the information given in the application form is true as per my knowledge and belief. I also undertake that if, at any stage, it is found to the satisfaction of the sanctioning authority that the information given by me is false, the entire amount of scholarship will be recovered from me, apart from such penal action as warranted by law.					

**Applicant Profile**

Registration No: 983194  
Father's Name: Gste  
Mother's Name: Weyry  
Category: SC  
De-Notified Tribes: No  
Tribe Name: N.A.  
Aadhaar Seed Status:

**Applicant Address**

Corresponding Address: hhdsdgs  
TEHSIL: Other Tehsil  
DISTRICT: Others  
STATE: Punjab  
PIN CODE: 214121

Permanent Address: hhdsdgs  
TEHSIL: Other Tehsil  
DISTRICT: Others  
STATE: Punjab  
PIN CODE: 214121

**Status**



## mNivaran

The peculiar features of this app helps citizens to seek for immediate help when their life in danger by just one click. Girls can seek immediate help using panic button. Geolocation based tracking will help if Citizen is in danger. In addition Citizens can lodge complaints, suggestions and feedback to any office with or without disclosing their identity. Citizens can also upload and send image of issues which they want to bring in notice of District Administration.



## Electricity Bill Distribution

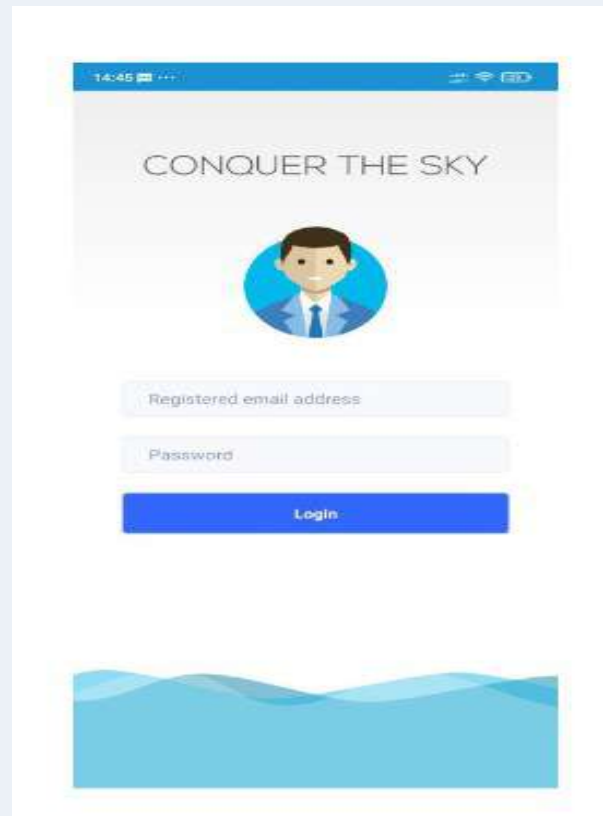
This app is role based i.e. Admin User and Normal Users. The Admin User can add and edit the Load Percentage of each and every department and then can calculate the electricity bill of every office. The Normal users can see their share of electricity bill and other details like Payment bank a/c no, IFSC details etc.. and then can send their Payment acknowledgement.





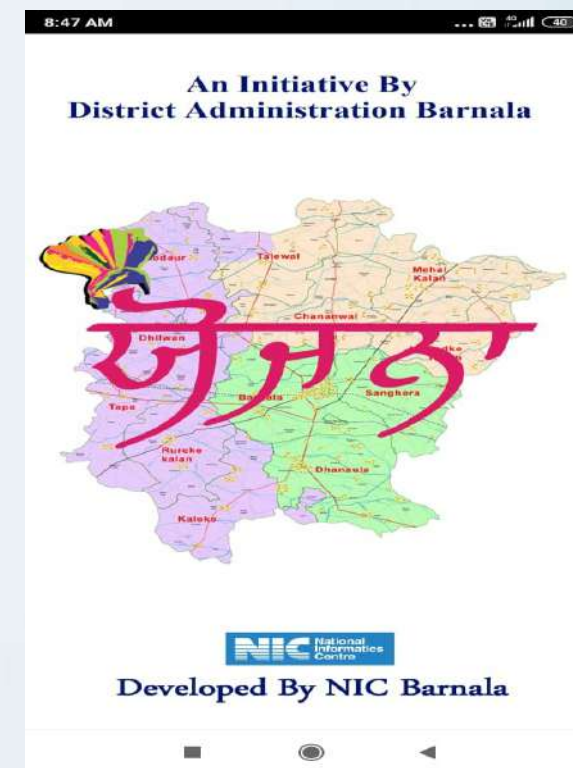
## Conquer the Sky

Conquer the Sky campaign is a noble initiative by the District Administration, Tarn Taran to promote sports and extra curricular activities among girls. This mobile app facilitates the administrator to get various statistics about the campaign on his mobile device. This mobile app keep record of all the students registered under the campaign, results of medical tests performed on the students (which is part of the campaign), and complete record of diet of every student as recommended by the dietician based on the results of the medical tests.



## YOJNA App

This bilingual mobile app covers all benefit oriented schemes of 17 government departments of Barnala District.



## Scheme Information Pathankot Mobile App

The mobile application is C2G and provides information about the various schemes running under government departments to citizens. Citizens can search among various schemes as well as browse a particular scheme under an office. Citizen also has option to check his eligibility for a particular scheme. Citizen can download form for application to a particular scheme.



## Career Counseling

This app is very beneficial for the students and cover all aspects of career counseling Guidance. Students can search various types of career options for their future.



## JalandharApp

This mobile app is developed with an aim of disseminating information about Jalandhar district among the Citizens in mobile friendly manner. Citizens can search for basic information, brief History of Jalandhar District, Important places to visit and Important key contacts/ links to Government services.

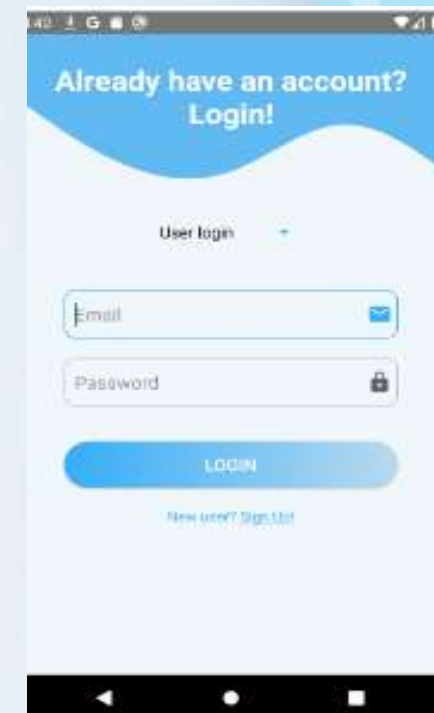


## District Dashboard Fatehgarh Sahib

This mobile app has been developed in house for providing and dissemination of more and more information regarding programmes, policies, procedures and forms of various Govt. schemes to general public through these mobile apps as around 70% population is equipped these days with mobile devices in the country.

## GovContact

'GovContact' is a government contact directory in which all the government officials contacts will be available for convenience of common citizens for District Administration Patiala. In the application we are providing phone number, email ID and address location of the particular office. User can access the contact details of various officers. User can call, write email and can view office address location of a concerned officer.



AI-based system utilizing the face recognition model for visitor pass verification

AI enabled verification of patients under Drug De-addiction Registry Portal (DDRP)

AI-based solution to extract information from screen reports and populate it into a CSV file or database.

AI-based conversational chat-bots, to fetch specific information by querying the database while simultaneously retaining the user friendliness of natural language interaction

AI model to detect invalid images based on orientation, non-facial, multi-facial, resolution and lighting conditions.

Sentiment analysis/classification on documents, news items and articles.

AI model for extraction of important information from Government documents e.g. extracting name of licensee, license number and period of validity from a factory license

Generative Model for orders, memos, show-cause notices

Model for Translation from Punjabi to English and vice versa

AI Model for Transcription of speech to text

Contextual Voice Analysis for Investigation

**AI solution for Document Verification & Fraud Detection**

Personalized Scheme Notifications

AI based system for identification of illegal over-staying foreigners for state police department using biometric identification system



**eTula for Department of Legal Metrology, Punjab**

**Chief Minister - Numerous Integrated References Disposal Electronic System for Honorable's CM –NIRDESH**

**Department of Water Supply and Sanitation (System Study phase in progress)**

- Vendor Enlisting Module
- New Water Connection and Billing System
- MIS

**Single Sign on with Integrated Dashboards and Revamping of Irrigation portal for Dept of Water Resources**

**National Prison Inmate Calling System**

**Web Application for PIDB (Punjab infrastructure development Board)**

**Contractual Payment Management System**

Attendance System based on Face Recognition (using Artificial Intelligence)

Sugarcane Grower Web Portal and Mobile App

OBPAS (Online Building Plan System) for Local Government

Automation of Land Acquisition Process – Bhoomi Rashi (MoRTH)

Online Fee submission for Polytechnic

Issuance of New Water Rural Connections

Helpdesk for Water Supply and Sanitation

Registrar of Cooperative Societies

Mineral Sale Management and Monitoring System (MSMMS)

Various Services through servicePlus as

- Punjab Subordinate Services Selection Board
- ID Card for Non-Resident Punjabis
- State Council of Educational Research and Training
- Department of Tourism
- BBMB Applications

Implementation of eOffice in various other departments/organizations

Extension of Sports Portal

Agri-exclusive data and Web Application for Punjab State Farmers' and Farm Workers' Commission (Land holding from Revenue, Horticulture, Animal Husbandry, crop survey from Agriculture, pricing from Mandi Board)

# Thank You...

