



## Punjab State Centre

# Profile & Achievements

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## NIC PUNJAB STATE CENTRE - A PROFILE

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## Introduction

Established in 1988, Punjab State Centre of National Informatics Centre (NIC-Punjab) has been instrumental in bringing ICT culture in Punjab government. With a focus on building IT interfaces to facilitate citizen-friendly and transparent government, NIC has made significant contributions in improving service delivery by a number of departments including:

- ◆ Revenue
- ◆ District administration
- ◆ Rural Development
- ◆ Finance
- ◆ Agriculture
- ◆ Industry
- ◆ Labour
- ◆ Health
- ◆ Education
- ◆ Elections
- ◆ Social Welfare
- ◆ Food & Civil Supplies
- ◆ Courts

NIC-Punjab has offices at state and district levels within government complexes so as to have a very close coordination with the government. NIC provides the following services:

- ◆ Technical Consultancy
- ◆ Software Development & Maintenance
- ◆ Network (NICNET/NKN) and Video Conferencing Services
- ◆ Technical Support for Implementation of NIC Projects
- ◆ Domain Name Registration
- ◆ Web Hosting
- ◆ Cloud Services
- ◆ Application Training

**MAJOR INITIATIVES IN PUNJAB****■ Integrated Human Resource management System (iHRMS)**

The decision makers often face challenges in manpower planning and HR management. iHRMS Application is developed is providing a generalized Human Resource management solution for Government Departments to help them in taking right decisions at right time and for proper monitoring, manpower planning, recruitments, Postings, Promotion and Transfer based on employee skill sets. iHRMS is not only the solution to manpower planning but its integration with other applications extend its ambit to various other Government services related to government employees.

<b>Modules Developed &amp; Implemented</b>	<b>Modules Under Development</b>	<b>Modules to be Developed</b>
1. Service Book	1) Annual Confidential Report	1. Various Reimbursement
2. eSalary for Employees	2) Pension Management	2. Disciplinary Proceedings
3. eSalary for MLAs. Ministers and Chief Minister and Governor of Punjab	3) Version 2.0 (Under Security Audit)	3. Promotion
4. GPF Management- Online Applying GPF Advance & Withdrawals, Final GPF Payments on Retirements		4. Tours
5. GIS Management		5. Medical Reimbursement
6. Increment Module		6. External Manpower Wage Payments
7. Income Tax Module		
8. Leave Management		
9. Annual Property Return		
10. User Management		
11. Loan and Advances		
12. Notification Uploading		
13. Department & Govt.		
14. Arrear Management		
15. LTC and EL encashment		
16. External Manpower Module(Ver. 1.0)		
17. Mobile App Ver. 1.0 (Service Book)		
18. iHRMS Mobile App Version 2.0 (Integrated)		
19. HRMS Analytics		



It has following features/functionalities:

- Web Enabled, Unicode compliant for local language support
- Workflow & Role Based Operation
- Customizable & Scalable
- Extensive Validations & Security Audited
- State/Deptt. Specific Content Management
- Open API for Data Sharing
- Developed SQL Server / ASP.net / Windows & Modular Approach with MVC Framework
- Mobile Apps

Around 8000 Master Trainers from different boards and corporations are trained. A six seat Help Desk is functional and handling day to day queries of the offices/employees.

iHRMS You Tube Channel is also available with videos on different modules and has got 1.95 Lakhs hits and subscriber base of around 4000 subscribers. The Face book page is also made available to share the views & experiences for better understanding the implementation methods adopted in different offices.

3.64 Lakh Service Books entered by 176 Departments/Boards/Corporations using this application from 36000 offices in the state. Every month salary of around 3.15 Lakh employees is generated using this software in the state of Punjab and has become a de-facto application for employees.

Around 40000 contractual, daily wagers, retirees' data is collected using External Manpower modules and that is data is being used by the government for making decisions.

**URL:** <https://hrms.punjab.gov.in/>

#### ■ **IFMS (Integrated Financial Management System)**

Integrated Financial Management System (IFMS) is one of the prestigious projects of the Government of Punjab, undertaken by the Finance Department and the Treasury Department. The project has been designed in line with the Modernization of Treasury Systems, one of the Mission Mode Projects (MMPs) of the Government of India. IFMS platform envisages end-to-end integration of systems and IT services among various stake holders such as Finance Department, Treasury Department, Administrative and Line Departments, Accountant General, RBI (eKuber) and Banks. It is a complete suite of applications used by Govt. of Punjab in planning, budgeting, receipt, expenditure, payment processing and MIS Reporting for all the stakeholders. It has established an efficient fund flow system and payment-cum-accounting network. It is a complete financial management and decision support system. It has been implemented throughout state from 01/04/2020.

It has following three modules:

**eBudget:** This module facilitates allocation, monitoring and analysis of budget from Department of Finance to administrative departments and further to DDOs.

Salient features and Functionalities:

- Online Budget Proposals from HODs of various departments.
- Receipt and Expenditure A/C to Accountant General posted digitally
- Budget Preparation by Department of Finance
- Online Distribution, Allocation, Revision, Re-appropriate on SOE Basis
- Online Budget Document Generation.
- Online Issuance of Budget for Deposit Works
- Checking of Budget w.r.t to Allocation
- Generation of Final Re-Appropriation for AG
- GIA module for release of Grant to Department on Online Submission of GIA Request
- Ways& Means Control in passing of bills
- Smart dashboard with Receipt and Expenditure Monitoring
- PSF's Dash Board for Monitoring key parameters
- Debt Management System
- Integration with PFMS for sharing of expenditure for GIA schemes

**eTreasury:**

This module facilitates DDOs for creation of bills and Treasuries for passing of bills and payments thereafter. It also facilitates management of stamps, PLA and EMD accounts at various treasuries.

Salient features and Functionalities:

- Preparation of 38 types of bills including Salary, TA , Contingency, Medical Reimbursement, DA Arrear, LTC, Leave encashment, Salary Arrears, General refunds, Court Refunds etc.
- Creation of Unique Payee Code for each Payee Type i.e. Employee, Other and Third Parties
- Details of GPF/PRAN and DDO NPS registration are captured in Employee and DDO's profile. 10% of Basic pay is deducted while processing of pay bills.
- OTP Based Authentication System for each bill
- Bill Tracking System for each DDOs
- Online Verification of Bills
- Checks on preparation of bills as per instructions passed of FD
- Online passing of Bills at Treasuries.
- Preparation of Accounts for Receipt and Expenditure
- Integrated with Banks like SBI, PNB, ICICI and IDBI for online verification of EPS data and generation of ECS/NEFT/RTGS files
- for making payments into the account of the payees.

- e-Stock system for Strong Room Operation Management
- Maintenance of Online PD/PLA/RD/CCD accounts
- Treasury officers can close the account at the end of the financial year.
- Checks on Quarterly expenditures of the departments.
- E-Mail and SMS alerts to DDOs for Token Entry, Bill Rejection and EPS generation.

**eReceipt:**

Salient features and Functionalities:

- Online preparation of Challan.
- The depositor can deposit Govt. receipt PAN INDIA in any branch of SBI and PNB.
- Internet banking based payments through payment aggregator of Punjab National Bank and SBI.
- Integrated with SBI, IDBI for Payment through RTGS/NEFT, integration with RBI is in process.
- Integrated with Major receipt transacting departments such as eSEWA portal, PSDT, Legal Metrology and Punjab SEVA portal.
- Cyber Treasury for reconciliation and preparation of State receipt account with the authorized banks at a central location
- Integrated with e-Kuber of RBI and GSTN for SGST Receipts.

Some Important MIS reports available in IFMS are:

- Budget Allocation and Disbursement
- Bill Tracking Report
- SOE Wise Pending Bills
- SOE Wise Payments Made
- UTR Report
- Failed Transaction Report
- Fund Flow Statement
- Fund Flow Variation Statement
- Fund Flow Annual Report
- Fund Flow Prediction Entry
- Key Fiscal Indicators
- Project Monitoring Report
- Centrally Sponsored Schemes
- NABARD Scheme Monitoring
- GIA Receipt Report
- Grant In Aid Receipt Report
- Expenditure Report
- State Budget Against Expenditure

**URL:** <https://ifms.punjab.gov.in>

## ■ eOffice

eOffice has been designed in sync with needs of modern government. It is embedded with a Knowledge Management System which can enable employees to create their own documents online and submit the same for review and publication on the portal. With a single platform, the entire organization can collaborate, share documents in any format electronically. It includes eFile module which replaces paper files.

Punjab Chief Minister Captain Amarinder Singh on Friday (01/11/2019) launched the eOffice facility, to facilitate seamless electronic movement of government files. Punjab is the one of the topmost states in the country to roll out such an across-the-board e-Office initiative covering more than 2 lakh employee. eOffice has been implemented across the state including Secretariats, Directorates, collectorates boards and corporations. From Nov 1, 2019, it has been fully implemented in both the Secretariats (1 and 2) and 22 DC Offices.

It has following features/functionality:

- Establishing a paperless environment in government offices.
- To improve efficiency, consistency, and effectiveness of government responses.
- To establish transparency and accountability.
- Open architecture framework for flexibility to scale.
- Establish a single Authoritative Government Directory.
- To standardize on a Single Product for reuse across the government.
- To have a Government e-Office around a standard Architecture & Framework.
- Unified View of Data.
- Content and Document management
- Work flow Automation.
- Collaboration and Messaging Services
- Single standard based Directory Service
- Security and Access management Role
- Archival and eRecord management

*eOffice has been implemented in 22 DC offices, Department of Governance Reforms Punjab, MilkFed, MGSIPA, PMIDC, Punjab Raj Bhawan, CGST Commissionerate Jalandhar, Health Department, Punjab Agriculture University Ludhiana, PUNSUP, Punjab Mandi Board, Police, Punjab State warehousing Corp. etc.*

Name of the Organization	URL for accessing eOffice
Boards, Corporations and Public Sector Undertaking (PSUs) of Punjab (Punjab Mandi Board, PUNSUP)	<a href="http://eofficepmb.punjab.gov.in">eofficepmb.punjab.gov.in</a>
Health Department, Punjab	<a href="http://eofficepbhealth.punjab.gov.in">eofficepbhealth.punjab.gov.in</a>

Punjab Municipal Infrastructure Development Company (PMIDC)	<a href="http://pmidceoffice.punjab.gov.in">pmidceoffice.punjab.gov.in</a>
Police Department, Punjab ( <b>Punjab Police Headquarter, Punjab Police Housing Corporation</b> )	<a href="http://eofficepbpolice.punjab.gov.in">eofficepbpolice.punjab.gov.in</a>
Punjab State [22 Deputy Commissioner offices, Governor House, Department of Governance Reforms, MGSIPA (Mahatama Gandhi State Institute of Public Administration)]	<a href="http://eoffice.punjab.gov.in">eoffice.punjab.gov.in</a>
Punjab State Cooperative Milk Producers' Federation Limited (MILKFED)	<a href="http://verkaeoffice.punjab.gov.in">verkaeoffice.punjab.gov.in</a>
Punjab State Departments (CM Office, Local Government, State Transport Dept)	<a href="http://eofficepbstate.punjab.gov.in">eofficepbstate.punjab.gov.in</a>
Universities of Punjab ( <b>Punjab Agricultural University, Punjab Technical University,PTU</b> )	<a href="http://eofficepau.punjab.gov.in">eofficepau.punjab.gov.in</a>

#### ■ INVESTOR PORTAL

Investor Portal or One Stop Clearance System (i.e. OSCS) is a common platform developed for the investor to obtain regulatory clearances as well as fiscal incentives from various departments through Punjab Bureau of Investment Promotion. The web portal is based on responsive design i.e. it provides an optimal viewing experience – easy reading and navigation with a minimum resizing, panning and scrolling – across a wide range of devices (from computer monitor to mobile phones).

It has following features/functionalities:

- Single interface for Investor
- One-time registration
- Common Application Form
- One-time document submission
- On-line backend processing
- Role-based access
- E-payment facility
- Digital Signature for authentication
- Real time Project Tracking system
- Graphic dashboard for MIS reports
- SMS & Email integration for notification

**One Stop Clearance System Replication**

NIC Punjab has designed and developed Single Window Clearance System for following state/UT

- ✓ Haryana
- ✓ Chandigarh
- ✓ Meghalaya (In process)
- ✓ Daman & Diu (In process) <http://investdd.in>

**URL: <https://investpunjab.gov.in>**

**■ Business First**

Business First is a user-friendly state of art licensing portal which will facilitate not only new but existing investors of Punjab in having Regulatory Clearances (New, Amendment and Extension) and Fiscal Incentives for their business in the state of Punjab.

It has following features/functionalities:

- Common Application Form (CAF)
- One time document submission as per CAF
- Multiple Statutory Fee in one go through Online Payment Gateway
- Online paperless filling, processing and approvals
- Online Issuance of QR Code based verifiable clearances
- Ease out the process of obtaining clearances by Business Process Reengineering
- Time bound Digital Approval (as per RTS Act)
- Provision for Third Party Verification
- Smart dashboard for decision makers
- Real time status/alerts through SMS & Email
- Online Business Query Handling
- Online Grievance Redressal Mechanism

**URL: <http://pbindustries.gov.in>**

**■ Labour Portal**

Department of Labour, GoP has been delegated the power to maintain the industrial peace and harmony, safeguarding and improving the working conditions of the workers in the industries running in the state by enforcing various laws in the State. For better compliance of these acts and rules, Department of Labour is having vigilant eye over the industry. To have better co-ordination between the department and industry, department has come out with web based solution for ease of administration. Following services have been provisioned through online system:

- Factory Registration/Licensing/Renewal under the Factories Act 1948
- Building Plan Approval under Factory act 1948
- Registration/Renewal under the Shops & Commercial Establishments Act 1958
- Registration/Licensing under the Contract Labour Act 1970
- Randomized allocation of inspections to the inspectors
- Provision of uploading of Inspection Reports by Inspectors
- Downloading of Inspection Reports by Industry

It has following features/functionalities:

- Work anywhere anytime
- Role based
- Paperless filling
- Statutory fee payment through Online Payment Gateway
- Paperless Online Processing
- Time bound digital approvals
- Real time status
- SMS & Email alerts
- Pendency intimation to officers till case processed

**URL:** <http://pblabour.gov.in>

#### ■ **PPSC-ISR (Integrated Solution for Recruitments for Punjab Public Service Commission)**

PPSCISR is a configurable application that allows Creation of various types of Advertisements, Publishing /Closing of Advertisements as per defined schedule, on-line registration by the candidates, offline registration facility under admin panel, online generation of admit cards & roll numbers Centre Wise, Centre Wise availability of list of eligible candidates, allotment of test venue. It also allows PPSC to monitor, manage, modify, approve and reject the data as per requirement, through admin control panel at any stage. The PPSCISR portal is based on specifically designed/developed CMS (Content Management System), which enables the commission to perform various activities based on the roles. The role-based CMS requires no dependence of the user department for website administration or for updating details anytime. All the activities have provisions for Approval/Rejection at every stage. It also allows generation of various types of MIS reports and dashboard for senior management. Integration of email as well as SMS has been incorporated in PPSCISR for information dissemination such as Intimation on successful registration, receipt of payment and generation of admit card/exam centre/venue to candidates.

It has following features/functionalities:

- Parameterized and configurable application
- Advertisement Management (Creation / Publish / Schedule/ Approval / Rejection)
- Provision of creation of Multiple Posts under one advertisement



- Post-wise configuration of creation of Qualifications, Category, Fee, Age Relaxation
- Generic Online registration process for all types of Advertisement
- Configurable templates for all advertisement
- Facility to upload linked PDF document, Content, links for each advertisement
- Offline/ online/ Fee payment Exemption option
- Export/ import of payment details with bank
- Approval of payments , Creation and Approval of examination papers details
- Venue Management (Creation /allocation of exam Centre, Block / Room)
- Assignment, Approval and Generation of Admit card
- Provision to configure instructions for candidates on Admit Card based on post/ advertisement type, Downloading of Admit card for candidates
- Answer Key Objection Module(Objections from Candidates)
- Assigning and approval of Result
- Approve / Reject facility for created content, Role-based access, OTP for password reset
- Scheduling of Content and Links, Audit trail of all activities
- SMS / E-mail alerts for registration/approval of payments/Admit card
- Provision for Group SMS and Email, MIS Reports and Graphical Dashboard

### Highlights:

- ✓ Awarded CSI Nihilent e-Governance Awards 2017 "Award of Recognition under Best eGovernance Project" by CSI
- ✓ Approved for IPR registration by the committee

**URL:** <http://ppsc.gov.in>

### ■ Aadhar Enabled Biometric Attendance System

As part of the "Digital India" Programme of Government of India, implementation of Aadhar Enabled Biometric Attendance System (AEBAS) in the Central Government Offices (Agencies) located in Punjab State has been initiated. The system would enable an employee to register attendance by presenting his/her biometric (finger print/Iris) which will be authenticated online by doing one to one match with the bio-metric stored in the UIDAI data base against the employee's Aadhaar number. Biometric attendance system has been implemented in the offices of NIC Punjab, central government departments in Punjab and several Punjab Government departments.

In addition to this, Skill Development Institutes are being registered under a separate domain namely [skill.attendance.gov.in](http://skill.attendance.gov.in).

It has following features/functionality:

- Real time Finger Print /Iris Bio metric authentication with Aadhaar biometrics stored in UIDAI CIDR.
- Separate URL for each on boarded organization.
- Facility to update divisions, device locations and office time, holidays.



- Provision to opt for 5/6 day week, shift timing.
- Facility to update reporting officer of every registered employee.
- Facility to update leaves, tours which can be approved or rejected by reporting officer.
- Biometric device management by assigning device admin, generation of activation code for device activation.
- Attendance registers along with other reports at individual, reporting and Nodal officer level.
- Integration with SMS for sending OTP and other messages.

**URL:** <http://nicpb.attendance.gov.in>

#### ■ **VAHAN (Vehicle Registration System)**

VAHAN Software is aimed at Computerization of Registration of Commercial and Private Vehicles, Fee & Fine Collection and Fitness Validity. VAHAN has also got provision for other transactions related to Registration Certificate like Renewal, Addition and Removal of Hypothecation, Transfer of Ownership, NOC, Alteration of Vehicle and Registration of other state vehicles. Smart Card based registration certificate has been launched successfully in all DTO offices. High Security Number plates have also been introduced.

It has following features/functionalities:

- Registration of both Non Transport and Transport Vehicles
- Smart Card based RC
- Registration Certificate through Dealers
- Assignment of Choice Numbers
- Addition and Removal of Hypothecation
- Issuance Duplicate Registration Certificate
- Payment of Taxes
- Issuance of No Objection Certificate (NOC) for vehicles being transferred out of state
- Preparation of vehicle Register
- Generation of Tax Reports, Account Statement

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

#### ■ **SARATHI (Driving License Issuance System for Transport Department)**

SARATHI software computerizes transactions related to Learner's License, Permanent License, Conductor's License and Driving School License. It allows all other transactions like Renewal, Issuance of Duplicate Licenses, Addition of New Vehicle Class, and Endorsement to Drive in Hills. The software is compliant with SCOSTA (Smart Card Operating System for Transport Applications) specification. Smart Card based Driving License is being issued in all DTO offices. Learners' License is being issued through Schools and Colleges also.

It has following features/functionality:

- Issuance of Learner's License
- Smart Card based Driving License
- Issuance and Renewal of Permanent Driving License
- Addition of new classes to Permanent Driving License
- Issuance of Duplicate License
- Driving School license
- Conductor's License
- Endorsement for Driving in Hills
- Endorsement for carrying Hazardous Goods
- International Driving License
- Generation of LL Register and DL Register
- Generation of Account Statement

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

#### ■ eChallan

e-Challan is a sophisticated software application comprising Android based mobile app and web interface, developed for the purpose of providing comprehensive solution for Transport Enforcement Officers and Traffic Policemen. This app-cum-application is integrated with Vahan and Sarathi applications and provides a number of user-friendly features while covering all major functionalities of Traffic Enforcement System.

The application offers customized interfaces for the following stakeholders:

- Enforcement officers
- Citizens (private or commercial car owners/drivers)
- State transport office
- Regional transport office
- NIC admin
- Ministry of Road and Transport

The application introduces a novel concept of using mobile based app for issuing e-Challan. The mobile based access to the system is available only to enforcement officers through android smart phones. While the web based access is available to all the rest of the stakeholders, mobile based access ensures the services are available anytime anywhere. This application is built in line with the requirements of Vahan 4 and Sarathi 4 and shall be accessing and updating data from/to national databases.

Connecting all the stakeholders through a common system will ensure data integrity, reliability and transparency. End to end automation of the process will minimize the corruption and bad practices to minimal while enabling efficiency at each level of users. 100% digitization and documentation of records will help in improving the visibility on offenders, types of offences frequently committed, payments received on time etc.

**Android based smart phone / tablet**

- The system provides for automatic location logging (place name, Lat-Long) through GPS.
- There is an in-built function to click and store photos of vehicle, documents, and number-plate.
- The app will fetch vehicle/driver details from Vahan - Sarathi database by entering DL and/RC
- System will automatically calculate the challan amount based on the type of offence selected by the enforcement officer against the defaulter and the challan history of the defaulter
- The system will offer synchronization of offline mode of challan issuance with online system
- The system enables onsite payment of challan through credit cards or cash
- Automatic alerts and notifications
- Challan receipt will be printed through a handy and portable thermal printer
- The receipt will have the QR code which the defaulter can scan through his/her mobile to navigate to challan website for online payment of challan amount later
- The Enforcement Officer will be able to search for any challan anytime anywhere
- The system allows for evidence to be collected through uploading the photo/video of the receipt and situation
- The system provides the work scheduling tool for Enforcement Officers which allows the admin to allocate work schedules through web while EOs can check theirs online on app
- Enforcement Officers can get details of sections under ACT through mobile app
- Enforcement Officer can give feedback to the NIC staff on the performance of the application through mobile app
- Currently the system is bilingual i.e. it supports English and Hindi

**Web based**

- The application will help in planning, based on the distribution pattern of challans across the city. It would provide the user with a heat map showing areas with higher challan numbers in red. Moreover, the availability of numerous graphs would depict the revenue earned based on state, zone, district etc.
- Various privileges of the application such as Analytics, Job allotment, My Assignment, Vehicle / document Disposal etc. would be managed by the role management feature of the application
- User management feature of the application will help in creating and managing users in department and with this module admin shall assign specific roles to other users.
- The application will let the department head allot job assignments for on road challan collection and the officer on the other side would receive the allotted duty sheet with address overlaid on actual location map.
- This application will allow user to pay pending challan amounts online
- The notification mail box feature in the application will allow the departments to manage and track various notifications and issues raised by users or citizens
- Search facility is there to help the department search through challan/offence history
- Robust MIS dashboard for management to monitor and track progresses on cases

- Management tool for fleet owners to add their multiple vehicles and track their offence history

**URL:** echallanweb.gov.in

#### ■ **Prisoner Management System (ePrison)**

NICHQ developed has been implemented in the state of Punjab. Mainly two modules of the ePrison software namely Prison management System (PMS) and Visitor Management System (VMS) has been implemented.

Implemented initially in one Central Jail Ludhiana in 2011 in C/S environment. Upon successful implementation in Ludhiana, the state government implemented web based solution in all 27 Central, District & Sub-Jails since last 3 years successfully with Total Prisoners (22692) as on today.

Online Registration of Visitors beside VC based meetings of prisoners and family is being undertaken on regular basis. Approximately 1500-2000 visitors are being managed using VMS application.

**URL:** <https://eprisons.nic.in/public/Home.aspx>

#### ■ **eCounseling for PSBTE and DTE&IT**

eCounseling is web-based application for online, off-campus counseling for automating the complete process of admissions in various institutes. At present two different eCounseling projects are being executed in Punjab.

eCounseling for PSBTE (Punjab state Board of Technical Education) is implemented for the admissions in engineering, non-engineering and pharmacy diploma courses in all the polytechnics since the year 2008. eCounseling was executed this year for the admissions of 127 courses in PSBTE for 128 institutes covering state institutes, central polytechnics and polytechnics under Chandigarh(UT).

eCounseling for DTE&IT (Department of Technical Education and Industrial Training) is also implemented for the admissions in engineering, non-engineering and vocational short-term courses in all the ITIs (Industrial Training Institutes) since the year 2014. eCounseling was executed this year for the admissions of 58 courses in DTE&IT for 332 ITIs located in the state.

eCounseling facilitates entire application and reporting process for the applicants located in different parts of the country as well as information dissemination, monitoring and management of entire admission process by PSBTE and DTE&IT.

It has following features/functionalities:

- ✓ Online Registration and Choice filling.
- ✓ Transparency in seats allotment.

- ✓ Providing enough time to students for submission, change, delete, re-ordering of multiple choices from anywhere any time.
- ✓ Centralized database and centralized monitoring.
- ✓ Online payment of registration fee (PSBTE)
- ✓ Paperless counseling.
- ✓ SMS integration
- ✓ Secured and controlled data access at every level.
- ✓ MIS reports for monitoring the Admission, Vacancy Position during various rounds of counselling

**Highlights:**

- ✓ eCounseling successfully implemented in PSBTE since year 2008.
- ✓ eCounseling successfully implemented in DTE&IT since year 2014.

**URL:** <http://itipunjab.nic.in> and <http://psbte.gov.in>

**■ PUNJAB SEWA PORTAL (PSP)**

Punjab Sewa Portal (PSP) portal facilitates the delivery of citizen-centric services of all the departments under one roof by integrating different departmental applications providing Citizen Centric Services. It is developed as a centralized application for Sewa Kendras (Service centres) in which integration has been done with different back-end departmental applications like eDistrict, PSPCL (Electricity Bills), BSNL (Telephone Bills) and Labor (Registration of workers).

The main aim of PSP is to enable a citizen to submit application for any service(s) from all major departments and take delivery of document/service as well within specified time. The portal also facilitates the users at different levels in monitoring of implementation of PSP including Service Level Agreement (SLA) with the Service Operator. It has multilevel dashboard and flexible & exhaustive MIS module at state level and district/sub-district level.

It has following features/functionalities:

- ✓ Integration with Queue Token Module.
- ✓ Integration with backend application like eDistrict (SKM), PSPCL, BSNL, GMADA, Labour Department.
- ✓ Acceptance of application for Passport, SHCIL Application (for eStamp, eRegistration, eCourt Fee), SWAVLAMBAN Portal (for differently abled persons), Aadhaar related services, Online Citizenship portal.
- ✓ Integration with Cyber treasury portal to directly transfer Govt. Fee to bank account.
- ✓ Automation of Penalty calculation to be imposed on Service provider based on various time-lines defined for various services.
- ✓ Automation of reconciliation of data with various backend applications integrated with PSP.

- ✓ Generation of wide range of MIS reports and Graphical monitoring dashboard for senior management.
- ✓ Dashboard to monitor the transaction financial details.
- ✓ Configurable and role based application.
- ✓ Seamless integration of email/SMS for information dissemination.

**Highlights:**

- ✓ Inaugurated by the then CM, Deputy CM and by state ministers and dignitaries simultaneously at different Sewa Kendras located in different districts on the same day (12<sup>th</sup> Aug 2016 )

**URL:** <http://psp.punjab.gov.in/cui>

**■ S3WaaS**

S3WaaS: **Secure, Scalable and Sugamya Website as a Service** is a website generating and deployment product hosted on the National Cloud of NIC. It leverages technology to generate secure websites using GIGW compliant templates which are highly customizable and can seamlessly be deployed on a scalable software defined infrastructure.

All the 22 district websites of Punjab has migrated to S3waas and common point to access all the district websites is <https://punjab.s3waas.gov.in>

Punjab Police has approved the project proposal for onBoarding of Punjab Police websites through s3waaS, finalization of MoU for 1-50 websites slab. Punjab Police has transferred Rs. 25 lakhs to NICS (Project worth 2.3 Cr) on 31-03-2020.

**■ eProcurement(Government eProcurement System - GePNIC)**

GePNIC caters to the Process of Online Tender publishing, bid submission, bid Opening and Award of Contract to help bring in transparency in the Tendering process. The services offered by GePNIC are primarily for the benefit of bidder community enabling them to appear at par with all other bidders of not only of the State but the entire country as per the eligibility of bidders for bidding for a particular tender. The system is being implemented by Punjab Government Organization(s)/Department(s).

It has following functions/functionalities:

- Registration of Bidders and Govt. officials in different roles
- Tender Creation and Publishing
- Publishing of Corrigendum and Pre bid meeting decisions
- Online Bid submission/resubmission/withdrawal as per the needs (configurable)
- Encryption of bids submitted by the bidders
- Online Payments

- Online tender opening
- Live bid opening for the bidders
- Technical & financial evaluation updations
- Award of the contract
- Mail communication to stakeholders
- Tender status on different stages of the tender
- Digital signing of all documents
- Report/MIS module

**URL:** [eproc.punjab.gov.in](http://eproc.punjab.gov.in)

### ■ **NGDRS (National Generic Document Registration Systems)**

NGDRS is a common generic & configurable document registration web application for all states across the country. NGDRS is specifically designed to use for sub registrars, citizens & Apex users from registration department. The product works as complete user interface for Document Registration process. NGDRS has been developed using open source technologies.

It has following features/functionalities:

- ✓ Citizen registration to request the access permission of the system.
- ✓ Facility for taking appointment and online document entry by citizen.
- ✓ Online valuation module with stamp duty calculation.
- ✓ SMS facility to send alerts to citizens & departmental users.
- ✓ Email enabled alerts to citizens & users.
- ✓ Integration with Payment gateway for Online payment facility.
- ✓ Linkage with stamp inventory software to avoid duplicate usage of used stamp paper.
- ✓ Centralized Storage of scanned registered documents.
  - ✓ View, download scanned documents to generate certified copy for authorized user.
- ✓ Unicode based Local Language support.
- ✓ Single sign-in credentials for all modules
  - ✓ Daily, Monthly & yearly MIS reports with cash book & other account related reports
- ✓ Provision for Tatkal appointment

### **Highlights:**

- ✓ Inaugurated by Hon'ble Chief Minister of Punjab on 17.11.2017 in presence of all cabinet, DG NIC & DDG through VC.
- ✓ Implemented at all 172 SRO offices in Punjab

**URL:** <http://igrpunjab.gov.in>



### ■ **DISE (District Information System for Election)**

DISE is randomization software for Election Department for formation of various parties / teams, EVM machines etc as per ECI guidelines. DISE-MC and DISE-NP are randomization software developed for State Election Commission for Municipal Corporation and Nagar Panchayat elections respectively.

It has following features/functionalities:

- Formation of polling parties, counting parties
- EVM (Electronic Voting Machine) randomization for Lok Sabha / Assembly Elections
- Election orders for individual polling parties, micro observer parties and EVM orders
- Constituency wise distribution of employees
- Department wise, sub department wise orders, attendance sheets
- Election Duty Certificate
- issue of ID Card
- Various types of checklist reports for various constituencies and marking of absentees, cancellation and absentees, cancellation reports.
- Transparent random deployment of polling personnel, micro observers, counting parties on election duty
- Transparent random deployment of Electronic Voting Machine (EVM) at polling stations
- Elimination of manipulation in deployment of personnel on election duty
- Improved efficiencies and saved times of district administration for the deployment of manpower and EVMs.
- DEO, political parties and employees trusting the DISE for the deployment of manpower on election duty and allotment of EMV to polling stations

#### **URL: Client/Server**

### ■ **PPMS (Punjab Poll Day Monitoring System)**

PPMS is Web based application software for Department of Elections, Punjab. It is aimed at capturing a set of fixed events for all the Polling Stations of an Assembly Constituencies on Poll Day through SMS by the authorized mobile numbers from respective Polling stations (in this case PROs, APROs, BLOs, RO, ARO-1, ARO-2, SM) in a prescribed format and to update the database for online monitoring reports on CEO's website. The software has the provision for entering data through web-entry also. Web-entry is only allowed to authorized users like ROs/AROs of the assembly segments.

It has following features/functionalities:

- Effective usage of Mobile technology to transmit information from polling stations.



- Transmission of hourly information from polling stations.
- Information related to hourly votes cast, event status (such as party arrived, mock poll conducted, etc.).
- Web interface to supplement the mobile network for updating the information by Returning Officers.
- Monitoring information along with bar charts depicting constituency wise information.
- Pushing and pulling of information to/from the website from/onto the mobile.
- Picking data only from authorized Mobiles and restricting access to web site to authorized users.
- Immediate Parliamentary Constituency wise and Assembly Constituency wise voter turnout information available to CEO Punjab, returning officer, assistant returning officer, district administration and media
- EVM faulty, Law and Order problems alert to administration. It helped the administration to resolve the issue immediately.
- Easy monitoring of Polling parties arrived, mock poll done, polling started, by hourly vote polled, polling interrupted, polling resumed, EVM faulty, Law and Order issue, polling completed, final male and female vote polled, polling party departed, EVM deposited information directly entered through SMS from polling stations and through web interface from ARO level
- Various MIS reports for RO, ARO, district administration and CEO Punjab for further analysis and correct measures.
- PC wise and AC wise Voter turnout
- Easy access to media for information from PDMS portal and telecast and broadcast the voter turnout information at their channels

**URL:** Hosting on Demand only

#### ■ **CM Dashboard**

CM Dashboard has been customised for Punjab State & 231 schemes/projects of various departments including Central & State are made available on the Dashboard. The Dashboard has been inaugurated by Chief Minister, Punjab on 27.12.2017 in the Cabinet meeting. Initially the CM desired that dashboard should be accessible only through login. These login are created for CM & all Ministers & Departmental Secretaries. Chief Principal Secretary desired that all Ministers & Departmental secretaries should use the dashboard for effective monitoring of various Government Schemes / Works.

**URL:** <https://pb.cmdashboard.nic.in>

#### ■ **Scholarship Portal of Punjab**

Scholarship portal of Punjab is an attempt to provide speedy scholarship to the Scheduled Caste and Other Backward Class students through online application and disbursal mechanism. The portal has been implemented for automation & effective

management of processes related to application receipt, processing, sanction and disbursal of Post Matric scholarships. This portal also provides beneficiaries data in standard format for automatic disbursement through UID/Banks. The portal has been implemented successfully and has become an efficient tool in the hands of the administration to provide the scholarship to the needy students in stipulated time frame.

It has following features/functionalities:

- Student apply online for the scholarship
- Verification of the student application by the institute is done online by the institute
- Sanctioning authority sanctions the application online
- Online disbursal of the tuition fees to the institute bank account and maintenance allowance to the students bank account
- Status of the application is given to the student through SMS and email
- Transparency in the disbursal of the scholarship
- Timely disbursement of the scholarship to the students
- 24X7 accessibility of the information to the student

**URL:** <http://www.punjabscholarships.gov.in>

#### ■ **Cooperative Core Banking System (CCBS)**

NIC's Co-operative Core Banking Solution (CCBS) has been designed and developed keeping in mind the needs and unique requirements of co-operative institutions in India. CCBS software caters to all banking (Advances & Deposits) related requirements in terms of maintenance, transactions and reporting.

90 Primary Agriculture Cooperative Banks (PADBs) branches in Punjab are using this software customized as per their requirement.

Presently the activities related to development of interface for State Agriculture Development Bank HQ office are in progress.

**URL:** <https://pbccbs.nic.in/>

#### ■ **Central Inspection System (CIS)**

The need for a central inspection system is to address the common complaints about ambiguity, duplication and overlapping mandates between inspection authorities, and a general lack of cooperation and coordination. Currently, industrial establishments are receiving multiple visits from different bodies often checking on the same things, and, on some occasions, contradicting each other.

As part of "Ease of Doing Business" system, improving the inspection system has become a critical parameter in ensuring clarity on inspections, frequency of

inspections, and reducing duplications. This Inspection System aims to achieve the objective of simplifying business regulations and bring in transparency and accountability in inspections

It has following features/functionalities

- ✓ Online application submission
- ✓ Pre-intimation for pending boiler inspection
- ✓ One time document along with application form
- ✓ Fee Payment through Online Payment Gateway
- ✓ Paperless filling and Online processing
- ✓ Time bound Digital Approvals, Stages and timeline defined
- ✓ Graphical MIS Reports for Management
- ✓ Timely Clearances, hence cutting delays
- ✓ Real time status tracking through SMS & Email
- ✓ Boiler Installation/Erection Permission
- ✓ Boiler Registration
- ✓ Boiler Inspection
- ✓ Allocation of Inspection to the Inspectors through online portal
- ✓ Provision of uploading Inspection Report by Inspectors
- ✓ Provision for uploading of License by Director Boiler Punjab
- ✓ Downloading of Digital License by Industry

**URL:** <http://pbinspections.gov.in>

#### ■ ePanchayat

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

It has following modules:

- PRIASOFT
- PLANPLUS
- Local Government Directory
- National Panchayat Portal
- Area Profiler
- Training
- National Asset Directory
- SAGY
- mAsset

**PriaSoft**

- Provides opening balance entry, cheque book entry, receipt , Payment, Contra and Journal Vouchers
- Generation of Utilizing Certificate online.
- Maintenance of Day Book, Month Book, Ledge Book , Cheque Receipt/Issue Register

**Plan Plus**

- Provision for capturing Public Works, Beneficiary Oriented Programme & Costless Activities.
- Generation of single GPD (Gram Panchayat Development Plan) document.
- Facility to add fund allocation for each activity.
- Management of Fourteenth Finance Commission and related reports.

**NPP (National Panchayat Portal)**

- Used to generate and maintain dynamic websites for panchayats in the country
- Each panchayat can configure their website to be accessed using a URL of their choice and contribute content.

**Local Government Directory (LGD)**

- Each local government body is assigned with a unique code.
- Provision for maintenance of local government bodies and its mapping with constituting land region entities. For ex. gram panchayat mapping with villages.
- Uploading of Govt. order for each modification in the directory.
- Maintenance of historical data and archival of old values/data.
- Provision to maintain state specific local government setup.
- Compliance with Census 2011 codes.
- Provision for shifting of locations from one parent location to another.
- Variety of reports at various levels of local government.

**Social Audit**

- Scheduling and management of meetings at Panchayat level.
- Single installation at national Level which is available for 24\*7 with a local language support.

**NAD (National Asset Directory)**

- Captures the details of an asset as it moves through its life-cycle.

- Upgradation, maintenance, earning, transfer, disposal and status update of assets.
- Generation of various reports for NAD users and Citizens.

**URL:** <http://epanchayat.gov.in>

■ **CONFONET (Computerization and Computer Networking of Consumer Forums)**

CONFONET provides a single-window solution for automation of all the activities undertaken at the Consumer Forums at the National, State and District Levels. Daily Cause Lists and Judgments from all the locations are being regularly uploaded on CONFONET Portal.

It has following features/functionalities:

- ✓ Registration of Case / Complaints (capturing complete details of case application including litigants and advocates).
- ✓ Recording of court proceedings
- ✓ Generation of Cause List.
- ✓ Recording of judgments,
- ✓ Uploading of Judgement
- ✓ Generation of Case History
- ✓ Automatic generation of email to various stake holders.
- ✓ Generation of SMS at various stages.
- ✓ MIS Reports
- ✓ Dashboard for higher authority
- ✓ Role-based logins

**URL:** <http://confonet.nic.in>

■ **Mukh Mantri Punjab Cancer Rahat Kosh (MMPCRK)**

Mukh Mantri Punjab Cancer Rahat Kosh Monitoring System (MMPCRK) has been developed to monitor the financial aid provided by Govt of Punjab to a resident of Punjab suffering from cancer.

MMPCRK is a workflow based ICT solution for the complete process involving application/estimate submission by Hospital, approval by Civil Surgeon Office, District Committees & DHS and finally release of funds to the Hospitals on submission of Utilization certificate. All the diverse kind of stakeholders operate the system in seamless fashion to facilitate the entire process of filing of cases, disbursement of grant, management and monitoring of funds in MMPCRK.

The financial aid is directly transferred to empaneled hospital for the cashless treatment of a patient upto Rs. 1.5 Lacs on the submission of utilization certificate by the hospitals.

It has following features/functionalities:

- ✓ Online mechanism to capture the application details of patient along with supporting documents and Photograph of patient.
- ✓ Provision for capturing multiple estimates for single patient
- ✓ Provision for transferring the case to another Hospital
- ✓ Enhances transparency and accountability.
- ✓ Prevents the duplicate claims by the Patients
- ✓ Provision to generate MIS Reports to monitor the funds provided to particular patient and to monitor the funds sanctioned by Mukh Mantri Rehat Kosh Society during particular periods.
- ✓ Monitoring of status of application, funds sanctioned and utilized etc. through dynamic dashboard
- ✓ Provision for Hospital module to capture the treatment details provided to particular patient for claiming the cost of treatment against approval.
- ✓ Online status of application, amount sanctioned, and amount utilized for the patient.
- ✓ Online mechanism to check the current status of application.
- ✓ Developed in Open Source Technologies
- ✓ Integration of SMS (CDAC) and eMail (NIC)

### Highlights:

- ✓ Successfully implemented in 19 empanelled hospitals
- ✓ Development done using Open Source technologies

**URL:** <http://mmpcrk.gov.in>

### ■ Court Cases Monitoring System - Punjab (CCMSPb)

Court Cases Monitoring System-Punjab (CCMSPb) portal is a centralized state-wide application for departments / officers to manage and monitor different court cases of varied kinds pending in different courts. It helps the departments/ officers to track different cases, prepare cause-list well in advance, maintain complete history of the case including follow-up action taken. CCMSPb offers useful dashboard at different levels and generation of number of MIS reports including query-based report generator based on given parametric values.

CCMSPb is integrated with Punjab and Haryana High Court Portal that enables automatic updation of court cases data for cases pending in High Court. It has separate module for Advocate General (AG) too which facilitates AG office to directly allocate the cases to the concerned departments of Punjab Government in which they are party. Rich in features

and functionalities, CCMSPB can provide latest information about any pending case at any point of time.

It has following features/functionalities:

- ✓ Capturing of detailed data for entire Lifecycle of a Case
- ✓ Integration with High Court portal for automatic updation of court cases data.
- ✓ Interface for Advocate General office for directly allocation of cases to the concerned department.
- ✓ Centralized database for all the departments
- ✓ Multi-level data entry for particular department
- ✓ Audit log of Changes in Case Information
- ✓ Dynamic dashboard for different levels
- ✓ Common Master(s) pool for all the departments
- ✓ Department specific user management and permissions
- ✓ Provision for zone-wise management
- ✓ Transferring of cases to down level users
- ✓ Tracking of legal notices and its replies for Compliance of Court orders/Interim orders/Stay order
- ✓ Complete view of Case history
- ✓ Facility to monitor the pending updation required for Pending cases
- ✓ Cause-list
- ✓ SMS and Email integration
- ✓ Multi-level Document Uploading facility
- ✓ MIS Reports

**URL:** <http://ccmspb.gov.in>

■ **eAbkari – Online Workflow based end-to-end Solution for Comprehensive Transformation of State Excise ecosystems in Punjab**

eAbgari is a strategic administrative reform initiative of Punjab State Excise and Taxation Department leveraging state-of-the-art modern technology. The Excise & Taxation Department is one of the major tax revenue earning sources of Punjab state government. It deals with the administration of the laws and rules relating to: manufacture, supply, storage and distribution of country liquor, foreign liquor, and beer, other intoxicants and narcotics; collection of duty and fees; prevention of illegal trade, trafficking and production of illicit liquor.

It is developed by NIC as web enabled application with centralized architecture to make it accessible 24x7 by its stakeholders from any location. The testing & implementation processes are carried out by the Excise Officials & Stakeholders.

It has following features/functionalities:

1. User with password and Mobile OTP based login.
2. Label Registration
3. Pass/Permit Generation

4. Transport of Bulk Spirit
5. Import/Export of Bulk Spirit
6. E-payment Facilities
7. QR code generation and GTIN number
8. Based on Excise Workflow
9. SMS gateway integration
10. Maintain records of Manufacture, supply, storage and distribution of country liquor, foreign liquor, beer, other intoxicants and narcotics.
11. Proper Route Map for Transportation and Detail of Vehicle

**URL:** [excise.punjab.gov.in](http://excise.punjab.gov.in)

### ■ Immigration Check post Computerization

Immigration, Visa, Foreigners Registration and Tracking (IVFRT) is a Mission Mode Project under National e-Governance Plan (NeGP) for modernization of immigration services. NIC is responsible for all technical aspects of IVFRT project including implementation of the project in Indian Missions / Posts abroad, Bureau of Immigration (BoI), Immigration Check Posts (ICPs), Foreigners Regional Registration Offices (FRROs), State Home / Police Departments, Foreigners Registration Offices (FROs) under Sr. Superintendents of Police / Commissionerates of Police, Educational Institutions, Hotels and Hospitals in India.

Implemented in all districts of Punjab and immigration check posts at SGRDJI International Airport Amritsar, land check post Wagha Border, Amritsar and rail check post Attari, Amritsar.

It has following features/functionality:

- Centrally managed integrated UCF
- Profiling capabilities for enabling targeted interventions
- Intelligent system for rule based alerts
- Effective management of multiple watch - lists on real time basis
- Biometric capture & retrieval system at missions, ICPs and FRROs/FROs,
- Streamlined processes and information sharing within the IVFRT
- Traveller facilitation including online registration and other services.
- Centralized database of foreigners visiting India
- Multiple Watch-Lists e.g.; Black List (BL), Look out Circular (LoC), Loss of Passport (LoP), Loss of Visa (LoV), Prior Referral Category (PRC), Unique Case File (UCF)
- Interlinking of Indian Missions abroad, ICPs, FRROs, FROs, Police and Security Agencies for sharing the vital information.

### ■ eProsecution under ICJS

eProsecution is one of the main pillars of ICJS (Interoperable Criminal Justice System) which was implemented in District Attorney offices and Police Stations



across all districts in Punjab. eProsecution portal is a platform which provides electronic communication exchange between DA offices of Prosecution Department and Police Stations of Punjab police.

The prime objectives of eProsecution are: -

- To streamline internal working of District Attorney offices
- To establish interoperability between eProsecution and CCTNS
- To maintain DUTR (Daily Under Trial Records)
- To enable police stations to seek legal opinion for FIR and Non-FIR cases from DA offices in online mode
- To provide legal opinion to police stations for draft charge sheets and FIR/non-FIR cases in online mode
- To send SMS alerts to the stakeholders on receipt and disposal of cases

#### ■ Standardized ITI Portal (eITI)

A portal which dynamically generates websites of all ITIs has been developed in the state so as to enable them to update information related to infrastructure availability, students, staff, inspections, financial position, attendance, result etc. in a standardized and uniform manner. The information entered/ updated by each ITI is made available in public domain immediately in real time. Various MIS and query reports give opportunity to the ITIs and department for better monitoring and decision making.

Using the software, the Department of Technical Education and Industrial Training Punjab has been able to get websites for 380 plus ITIs in Government, private and aided ITIs almost at negligible cost. The application can be used by other states with minimal customization and configuration.

eITI project has been conferred Skoch Order of Merit 2016.

#### **Functionalities Available**

The eITI solution has a four pronged functionality:

- **Department Website :** The department website gives information related schemes, policies, Tenders, RTI, Grievance Mechanism, Admission, Fee Details, RTI, Announcements, Notifications, Related websites, news, graph analysis etc. beside depicting each ITI on map for interactive analysis.
- **Entry Module for ITIs (SAAM):** Standardized Automated Access Module (SAAM) module is used by authorized users at State HQ & ITI level to enter /

update content information over time themselves without dependence upon website developers.

- **Website for ITI:** Information entered / updated through Standardized Automated Access Module (SAAM) is made visible to the general public in real time for an ITI.
- **Content Management:** Department Administrator uses this interface at state level to add/update the master information, upload photographs, news, messages, and creation of ITIs etc.

### Features

- Totally dynamic, work flow based, role based application with single interface for access providing real time updations.
- Prepared as per the Government of India guidelines on the development websites besides look & feel of the website.
- Automated standard calculations wherever necessary so as to minimize the data entry.
- Usage of a standard generic codification scheme related to schemes, trades, sector, categories and modules which can be updated as and when necessitated.
- Three-tier security viz. at OS, database and application level.
- Google Maps for location, direction and graphical analysis for better monitoring.

URL: [www.punjabitis.gov.in](http://www.punjabitis.gov.in)

### ■ Centralized Foreigners Registration Office (c-FRO)

Centralized Foreigners Registration Office is a workflow based web application implemented in twenty eight Foreigners Registration Offices (FROs), FRRO, ICPs and Home Department in Punjab for rendering services like registration, new / extension of visas, exit permits, temporary landing permits, restricted area permits, police clearance certificates and other miscellaneous services to foreign nationals visiting India.

It has following features/functionality:

- Online submission of application form.
- Payment of the fees through payment gateway.
- Safe & secure referral of the cases & documents electronically amongst all stakeholders like FROs, Home Departments, MHA & security agencies using VPN tokens.
- Generation of various reports based on wide range of parameters for security agencies.

**URL: <https://indianfrro.gov.in/frro>**

### ■ **National Knowledge Network (NKN)**

NKN is state-of-the-art multi-gigabit pan-India network which enables scientists, researchers and students to work closely. The target users for the NKN are all institutions engaged in the generation and dissemination of knowledge in areas such as research laboratories, universities and other institutions of higher learning. NKN connects IITs / Universities / Organizations / Laboratories under various categories throughout the country.

It has following features/functionalities:

- State-of-the-art multi-gigabit pan-India network
- Comprises of an ultra-high speed CORE (multiples of 10 Gbps), complimented with a distribution layer at appropriate speeds.
- Participating institutions at the Edge connect to the National Knowledge Network seamlessly at speeds of 1 Gbps or higher.
- The network is designed to support Overlay Networks, Dedicated Networks, and Virtual Networks.
- Highest level of availability, Scalability, Robust & reliable connectivity.
- Provides services like Internet, Intranet, Voice over IP, Virtual Private Network Switching, etc.
- Provides services like Internet, Intranet, Voice over IP, Virtual Private Network Switching, etc.
- Aims to extend applications like Virtual Classroom, Collaborative Research, Grid Computing, Virtual Library etc.
- Advanced applications in areas such as Health, Education, Science & Technology, Grid Computing, Bio informatics, Agriculture, and Governance will be an integral part of NKN.
- NMICT project shifted to NKN.

### ■ **SPARROW**

Sparrow is an online system based on the comprehensive performance appraisal dossier that is maintained for each member of the Service by the State Government/Central Government. The aim of this system is to facilitate the electronic filling of PAR by officers in a way that is not only user friendly but also allows to fill from anywhere anytime as per their convenience. Similar convenience will be available to the officers at different levels in the workflow hierarchy of filling and submission process. The system is also expected to reduce delays in submission of completely filled APARs. The PRISM module has been integrated with SPARROW.

It has following features/functionalities:

- Transparency & Accountability
- Online Generation of eAPAR
- Delegation

- Workflow Creation
- Search and retrieval
- Dashboard
- Reports
- Declaration of Assets and Liabilities through PRISM

The Sparrow has been implemented in Punjab for IAS, IFS, IRS and IPS Officers.

**URL:** <https://sparrow-ips.eoffice.gov.in>,  
<https://sparrow.eoffice.gov.in>,  
<https://sparrow-ifs.eoffice.gov.in>

### ■ National Animal Disease Reporting System (NADRS)

NADRS involves a computerized network, integrating both MIS and GIS, which links each block, district and the State / UT headquarters in the country to the Central Disease Reporting & Monitoring Unit (CDRMU) in the DADF (Department of Animal Husbandry, Dairing and Fishing) at New Delhi with the objective to monitor 143 animal diseases through 7000 locations at sub-district level in the country. In Punjab 141 blocks, 22 districts are under the ambit of this project.

It has following features/functionalities:

- Centralized Animal Disease Database at National Level
- Automation of Animal Disease Reporting through various Channels like IVRS, SMS, email and web based system
- Integration of Livestock Census Data and Mobile based SMS Data with MIS
- Single Channel for Information Dissemination
- Online Monitoring of Schemes
- GIS based Decision Support System
- Analytical System using Business Intelligence Tools
- Capacity Building
- Disease Reporting: Enables the real time online & timely reporting of the animal disease situation.
- Scheme Monitoring: This application provides a single monitoring system for various central / state / district specific schemes.
- Block Level MIS: Block level MIS helps the block officer to carry out and manage activities which are done at block level i.e. AI, Slaughter House Management, Insurance details, stock and camp management etc.
- NADRS Portal: NADRS portal is single window to collaborate and share information, news, research papers, views, events, schemes and programs, videos and suggested ways for prevention and control of diseases.
- ADDFWLA: This application monitors and captures information related to Samples collected from the Diseased Animals, Samples Tested, Test Results Obtained by Animal Disease Diagnostic Laboratories (ADDLs) and then integrate the test details of samples with Animal Disease Reporting System (ADRS).

**URL:**<http://www.nadrs.gov.in>

■ **eHospital - Hospital Management System**

A Hospital Management System is a workflow based ICT solution for internal functioning of Hospitals specifically meant for the hospitals in Government Sector. This is a generic software which covers major functional areas like patient care, laboratory services, human resource and medical records management of a Hospital. It is a patient-centric system. This portal is a single window for availing all patient related services online for Government hospitals. E-Hospital and ORS applications are available free-of-cost on as-is basis

Following modules are available on Cloud based eHospital.

- ✓ ORS (Online Registration Module)
- ✓ OPD
- ✓ IPD (Admission , Discharge and Transfer)
- ✓ Billing
- ✓ eBlood Bank
- ✓ ePharmacy
- ✓ Labs

Silvertouch is the empanelled agency for Punjab to facilitate hospitals in configurat, training, go-live and hand-holding.

**URL:** <https://ehospital.gov.in/>

■ **India Code Portal**

It is the digital repository for all central and state acts. All the state Government departments have uploaded their state acts and subordinate rules, regulations, notifications etc.. on portal. NIC Punjab created login credentials for all the department's nodal officers and provide technical support for portal.

**URL:**[//indiacode.nic.in](http://indiacode.nic.in)

■ **Revenue Court Cases Management System - Punjab (RCMSPb)**

Revenue Court Management System-Punjab (RCMSPb) facilitates management and monitoring of Court Cases pertaining to Revenue Courts.

RCMSPb is being implemented in all Revenue Courts in the state, which include courts of Financial Commissioner, Divisional Commissioner, Director Land Records, Deputy Commissioner, SDM, Tehsildar and Naib Tehsildar.

RCMSPb captures all the property related data under litigation along with locational details retrieved online from Land Records database.

RCMSPb is integrated with Land Records system of Punjab by which it enables the updation of Land records with information of institution of case as well as on any change of status like Case Institution, Stay, Vacate and Final Order through web-services.

It has following features/functionalities:

- ✓ Role-based and is extendable horizontally as well as vertically.
- ✓ Facilitates case Institution, capturing the Petitioner/Respondent details, Property details under dispute and previous case detail(if any)
- ✓ Allocation of hearing date(s) and provision to update the hearing details
- ✓ Facility to record of case proceeding(s)
- ✓ Generation of various kinds of Summons
- ✓ Uploading of various kinds of documents like Interim order, Final Orders, Summons, General Documents
- ✓ State-level parameterized dashboard for FCR and for senior officers at different levels
- ✓ Availability of Daily cause list and court orders on web site, for the benefit of public, department and advocates.
- ✓ Provision to capture legacy data for various case types like claim commissioner, lambardari cases.
- ✓ Provision to generate officer wise Goshwara Reports on monthly and yearly basis.
- ✓ MIS reports based on multiple parameters. Reports for each user, which show complete details of cases pertaining to that court.
- ✓ SMS integration; Communication sent to respondent(s), petitioner(s), and advocate(s) on events as Case Institution, Case Stage Change, Next Hearing date, Postponement of Hearing date.
- ✓ Provision for bulk SMS service; Intimation can be sent to multiple stakeholders in case of urgent issues such as postponement of case hearing etc.
- ✓ Integration with Land Record database for all locational and property related data.
- ✓ Provides online information to the public in their revenue related cases and facilitates downloading of court judgements.

### Highlights

- ✓ Successful implementation in 421 revenue courts in the state till date. Launched by Revenue Minister Punjab, Mr. Sukhbinder Singh Sarkaria on July 11, 2018

**URL:** <http://rcmspb.gov.in/>

### ■ MedLEaPR (Computerization of Medico Legal Reports and Post Mortem Report)

MedLEaPR is the computerization of Medico Legal Report and Post Mortem Report. The need for computerization of Medico Legal (MLR) and Post Mortem (PMR) reports was felt as the courts, the prosecutions and the defence generally face problems in

understanding and reading the Post-mortem and Medico legal reports during the trials as the MLR & PMR are more often penned down in illegible handwriting. Under the direction and supervision of Hon'ble Punjab and Haryana High Court, computerization of MLR and PMR (MedLEaPR) was implemented in all the Govt. and Private health institutions Punjab.

It has following features/functionality

- ✓ Generation of Medico Legal Reports (Injury)
- ✓ Generation of Medico Legal Reports (Rape Victim)
- ✓ Generation of Medico Legal Reports (Age Estimation)
- ✓ Generation of Medico Legal Reports (Alcoholic)
- ✓ Generation of Post Mortem Reports and Post Mortem (Foetus) Reports
- ✓ Provision for Graphically marking of Injuries
- ✓ Generation of Subsequent opinion for MLR/PMR
- ✓ SMS/e-Mail integration
- ✓ Integration with Forensic labs in Punjab

### Highlights:

- ✓ Implemented at all the Govt. and private Health institutes in Punjab.

**URL:** <http://medleaprb.gov.in>

### ■ Blood Bank Management System

It is a Web Application for management of various services within a blood bank and providing timely accurate status of the blood available and generation of online MIS Reports thereof. Blood Bank Management System (BBMS) is a web based system designed to store, process, retrieve and analyse information concerned with the administration and inventory management within a blood bank.

This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way and to provide transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of the blood bank management effective.

It has following features/functionality:

- Networking of all the blood banks of the state
- Blood Collection Management
- Blood Units Issued
- Current & Expiring Stock Queries
- Ability to network all the blood banks of the state for information sharing.
- Availability of blood stock position (blood group wise) at various blood banks for citizen.
- Availability of district wise blood stock position to a citizen/health department



- Management reports for analysing the daily performance in blood bank
- Blood donation camp management
- Easy to replicate in small/medium and big blood banks

**URL:** <http://bbmispunjab.gov.in/>

#### ■ **DLC (Jeevan Pramaan)**

A web based portal for registration of Pensioners and generation of Digital Life Certificate for the Pensioners by real time authentication of pensioners biometric with Aadhaar Biometrics. No need to visit the Bank for authentication. Pensioners can authenticate through biometrics device anywhere.

It has following features/functionality:

- Biometric enabled digital service for pensioners.
- Uses Aadhaar platform for biometric authentication.
- Digital Life Certificate is generated which is stored in Life Certificate Repository and can be accessed on-line by Pensioners and Pension Disbursing Agencies.
- Pensioners and Pension Disbursing Agency can download the PDF copy of Certificate from the website.
- The Life Certificates can also be electronically delivered to the Pension Disbursing Agency.
- SUWIDHA Centres/CSCs/Unified Service Centres in the State have been identified as Jeevan Pramaan Centres.

**URL:** <https://jeevanpramaan.gov.in>

#### ■ **Mahatma Gandhi State Institute of Public Administration (MGSIPA)**

A comprehensive portal is developed which facilitates content management through authorized logins with in-built work-flow and roles. This portal can be used by other states too with minor customization as per state requirement. The portal offers online booking of accommodation of various types (Conference Halls, Lecture Rooms, Hostel, and Training Labs) with back-end enforcement of business rules like approval / cancellation, blocking, assignment of accommodation, Training calendar Management, Knowledge Management, Applying Online for Trainings, Resource Person Registration & Management. Prepared as per GIGW guidelines and security audited, social site linkage and compliant for deaf & dumb.

Integrated Payment & SMS gateway for online payments and updation of booking status online and through SMS. Inaugurated and functioning fine since May 2019.

Bilingual interface is being developed and contents of the website will be available in Punjabi soon.



**URL:**<https://mgsipa.punjab.gov.in/>

### ■ **Vehicle Management System**

VMS is a web-based application for keeping a check on POL bills of all state government vehicles. Every government official (earmarked) or vehicle (pooled) has a POL limit (i.e. Fuel & Maintenance expenditure limit) assigned by Department of Finance, Govt. of Punjab. The department is using VMS to keep track of each limit. In case an official or vehicle needs to go beyond allotted limit, VMS asks for permission to be uploaded and this permission will be forwarded to Nodal Officer for online verification.

In VMS, every DDO needs to enter sub vouchers (including multiple bills) in a specific format and after taking required data these vouchers (claims) will be forwarded to IFMS for bill generation.

It has following features/functionalities:

- ✓ Availability of vehicles at a particular office, tehsil, district and HQs etc.
- ✓ POL Expenditure of a particular office, tehsil, district and HQs etc.
- ✓ Each earmarked vehicle mapped with HRMS Code
- ✓ Intimation regarding number of vehicles with an official
- ✓ Facilitating DDOs in having history of each government vehicles
- ✓ Streamlined POL bills hence reducing back log
- ✓ Provision to provide tehsil wise vehicle data to Deputy Commissioners in crisis.
- ✓ Intimation of excess use of vehicle to seniors
- ✓ Intimation regarding not is use vehicles
- ✓ Role based dashboard to each user
- ✓ Helping state government in crisis by providing information like vehicle available at particular region/institute/offices of the state.
- ✓ Includes expenditure details about hired, contractual vehicles and Misc. Store items
- ✓ Smart dashboard for decision makers
- ✓ Facility for transfer of vehicle from one official to another or one office to another.
- ✓ Online HelpDesk

**URL:** <https://vms.punjab.gov.in>

### ■ **eSamikSha**

eSamikSha, is an online Monitoring and Compliance Mechanism to fast track the compliance of Action-Point(s) / Proposals / Issues /Projects /Schemes /Targets etc. pending with or within various implementing agencies.

Punjab-eSamikSha is a real time, on-line system for monitoring of follow-up action on the decisions taken during the presentations made by different Departments/Districts to the Chief Minister. The follow-up action in respect of each decision is to be updated

by the concerned Department/District/Agency as and when the status changes or at least every month. Different users such as the Departments/Districts can securely access the system through a log-in/password. This system can also be configured to review the follow up action in respect of other meetings, if required.

### ■ **Govt. Property Management System (GPMS)**

Government Property Management System is a web based application for keeping track of immovable properties (Land/Buildings) of Govt. of Punjab. The Property needs to go through processes like entry, validation and verification for complete workflow. Once verified, the authorities can identify and allocate un-utilized Properties to needed offices/departments.

In addition, the offices/departments can also post various kinds of utility bills like Electricity, Water, Telephone, Mobile Phones and Office Expenses to IFMS via GPMS.

It has following features/functionalities:

- ✓ Availability of properties with each office/department across the state.
- ✓ Identification and allocation of un-utilized Properties to needy departments
- ✓ Property Tracking through Latitude and Longitude
- ✓ Validation by Occupier
- ✓ Property Verification by revenue officers
- ✓ Expenditures incurred (rent/property tax/electricity/water/telephone/office expenses) by each office/department across the state.
- ✓ Availability of vacant office space at a particular location
- ✓ Check on expenditure incurred by each office
- ✓ Provision for tehsil and block wise data to Deputy Commissioners
- ✓ Role based dashboard to each user
- ✓ Check availability of vacant office space at a particular location
- ✓ Smart dashboard for decision makers
- ✓ Real time status alerts through SMS & Email
- ✓ Online Help-Desk

**URL:** <https://gpms.punjab.gov.in>

### ■ **Building & Other Construction Worker (BOCW), Department of Labour**

The mission of the Punjab Building and Other Construction Workers' Welfare Board is to uplift the living standards of the construction workers and their family members, in the State of Punjab, by way of providing them basic amenities and adequate welfare measures after enrolling them as beneficiaries with the Board and providing them benefits by way of direct transfer into their bank accounts, under various welfare schemes of the board in a very transparent and efficient manner. BOCW portal is a web-based portal for registering, renewal and amendment of construction workers. This portal also includes complete workflow for disbursement of welfare schemes to construction workers.

Various services Covered under BOCW:

1. **Registration of Establishment:** Registration and Amendment of Establishment under Building and Other Construction Work Act, 1996
2. **Worker Registration:** Registration, Renewable and Amendment under Building and Other Construction Work Act, 1996
3. **Cess collection:** Cess Collection under Building and Other Construction Work Act, 1996
4. **Welfare Schemes:** Once a construction worker gets registered with the Board he becomes eligible for benefits under various Welfare schemes.

**URL:** <https://bocw.punjab.gov.in/>

#### ■ PM KISAN

With a view to provide income support to all landholding farmers' families in the country, having cultivable land, the Central Government has implemented a Central Sector Scheme, namely, "Pradhan Mantri KIsan SAMman Nidhi (PM-KISAN)".

The scheme aims to supplement the financial needs of all landholding farmers' families in procuring various inputs to ensure proper crop health and appropriate yields, commensurate with the anticipated farm income as well as for domestic needs. Under the Scheme an amount of Rs.6000/- per year is released by the Central Government online directly into the bank accounts of the eligible farmers under Direct Benefit Transfer mode, subject to certain exclusions.

Beneficiaries under the scheme are to be identified by the respective State and Union Territory. The details of farmers are being maintained by the States/UTs either in electronic form or in manual register. To make integrated platform available in the country to assist in benefit transfer, a platform named PM-Kisan Portal available at URL (<http://pmkisan.nic.in>) has been launched for uploading the farmers' details at a single web-portal in a uniform Structure.

The PM-Kisan Portal has been created with the following objectives –

- To provide verified and single source of truth on farmers' details at the portal.
- Timely assistance to the farmers in farm operation
- A unified e-platform for transferring of cash benefits into farmers bank account through PFMS integration.
- Location wise availability of benefited farmers list.
- Ease of monitoring across the country on fund transaction details.

#### ■ Mid-Day Meal Monitoring System (MIDMMS)

MIDMMS is a SMS based software for the monitoring of Midday Meal scheme implemented in the district. This application receives information from Principals / Heads / Mid day meal coordinators through SMS (in predefined formats) about the

status of meal served and number of students present in particular school. In addition teachers can send their attendance to the system through their authorized mobile numbers. This system is based on push and pull concept. Authorized mobiles numbers can also pull information based on predefined key words. MIS reports have been provided for monitoring by District Administration.

*The system has been handed over to the state government.*

It has following features/functionalities:

- Accepting attendance and midday meal serve status from authorized teacher through SMS/Android App
- Marking of leave through SMS/Android App
- MIS Reports at MIDMMS portal and on Android App
- Logs for user activities.
- Role based access
- SMS based data collection from authorized mobile numbers in predefined SMS format
- Web based masters and transactions entry at district headquarter level
- Data pushing and retrieval through android based mobile application
- Event based reports
- Generation of logs
- Accepting data through SMS and Android based mobile application
- OTP code authentication for Mobile App (one time)
- Data pushing to portal through SMS/Android App

**URL:** <http://www.epunjabschool.gov.in>

■ **National Database of Arm License(NDAL)**

NDAL is a web based software module for digitization of arms licenses into a centralized repository called National Database of Arms Licenses and to generate unique identification (UID) number for each license holder. NDAL has three main components 1) Applicant details 2) License details 3) Weapon details. In first phase of NDAL, centralized repository of arms licenses has been created and ALIS (Arms Licenses Issuance System) will be rolled out in second phase.

NDAL has been rolled out in all arms licensing authorities in Punjab.

It has following features/functionalities:

- Submission of Application on a Single Counter
- Delivery of License and related services from the same counter
- Acceptance of Govt. Fee at ALIS Counters

- Online capturing of Photograph of the Applicant
- Work Flow based System
- Automatic check on the Age of Applicant
- History of all the transactions
- Automatic check on the ceiling of no. of weapons
- Provision of generating Licenses on Stickers in duplicate (one for License, other for record)
- Provision of generating stickers for Renewal/Deletion of Weapons/Addition of Weapon etc. in duplicate
- Provision of generating various reports service wise or for a specified period of time

### **URL: Client/Sever**

#### ■ **Central Public Procurement Portal (CPPP)**

The Central Public Procurement Portal of Government of India facilitates all the Central Government Organizations to publish their Tender Enquiries, Corrigendum and Award of Contract details. The system also enables the users to migrate to total electronic procurement mode. The primary objective of this portal is to provide a single point access to the information on procurements made across various Central Government organizations.

It has following features/functionality:

- Generic Solution - Can easily be adopted for Works, Goods and Services related tenders.
- Enrollment of Government Officials on different roles.
- Provision to float Single/Open/Limited/EOI tenders. Provision to float QCBS tenders also.
- Facility to float Global tenders involving multi-currency.
- Facility to float different types of corrigendum's.
- Facility to configure Bid Openers Min 2 and Maximum 4.
- Facility for floating of tenders for obtaining bids in Single/Two/Three & Four Cover(s)/Bid Packets.
- Facility for getting online Clarification on Tenders.
- Facility to upload Pre-Bid meeting decisions.
- Online/Offline payment of Tender Fee/ EMD.
- Live Bid opening view for Bidders.
- Facility to open the Bids by designated bid openers on or after designated bid opening date/time.
- Facility for General Technical Evaluation/ Item wise Evaluation.
- Auto-Generation of Comparative Chart for financial quotes.
- Mail / SMS alerts at different stages.

- Facility to view online 'Tender status' regarding unopened tenders, bid opening, evaluation and award of contract.
- Comprehensive report/MIS module.
- Post-tendering for works.

**URL:** <http://eprocure.gov.in>

#### ■ HortNET

Horticulture Mission(NHM) is being implemented to promote holistic growth of the horticulture sector covering fruits, vegetables, root and tuber crops, mushroom, spices, flowers, aromatic plants, cashew and cocoa through a variety of interventions relating to production and productivity improvement, HRD, post-harvest management and marketing. In order to promote the horticulture related activities, the GOI provides various incentives to the farmer. The HortNet portal (<http://nhm.nic.in>) provides the interface to apply for the incentives under different components/sub-components and after counselling the necessary funding is done to the farmer and monitoring of the implementation is ensured by the department.

It has following features/functionalities:

- Online application filling by the farmers and horticulturists to avail various benefits available under the scheme.
- Online scrutiny of the application and sanctioning of funds under the scheme by the field officials after approvals by higher authorities.
- Online monitoring of schemes/projects sanctioned by the State Horticulture Mission Director.
- Budget releases at state level and its monitoring with respect to the targets set and achieved.
- Centralized Data base of farmers availing National Horticulture Mission (NHM) and allied sectors schemes.
- Online workflow based system, in accordance with Government guidelines & policies.
- Generation of unique application ID and ID card to farmers.
- On-line scrutiny and approval of each application and role location based access.
- Generation of scheme wise subsidy and Input package details to beneficiaries.
- Consolidated progress report at all levels.
- Monitoring of fund flows in respect of funds sanctioned and expenditure incurred.
- Grievance Monitoring and redressal.

**URL:** <http://www.hortnet.gov.in>

#### ■ NeGP-Agriculture

NeGP-A aims to provide an integrated and seamless interface to the farmers for making informed decisions. The information is delivered using multiple delivery channels such as the internet, government offices, touch screens, Krishi Vigyan Kendras, electronic media, Kisan Call Centres, Agri-Clinics, Common Service Centres and mobile phones (broadcast, Interactive Voice Response System, interactive messaging using Unstructured Supplementary Service Data and Voice Recognition). It helps in effective monitoring of the targeted beneficiaries which will help in efficient utilization of funds in achieving intended goals of various schemes.

It has following features/functionalities:

- Providing Information on Crops, Farm Machinery, Training & Good Agricultural Practices
- Providing Information on Forecasted Weather and Agro-Met Advisory
- Providing Information on prices, arrivals, procurement points, and providing interaction platform
- Electronic Certification of Exports and Imports
- Providing Information on Marketing Infrastructure for Agriculture, Horticulture, Floriculture, Livestock and Fisheries
- Monitoring Implementation Evaluation of Schemes and Programs
- Providing Information on Fishery Input
- Providing Information on Livestock Management-Presentation
- Single spot solution for information on all aspects related to agriculture, horticulture, livestock, fisheries etc. with seamless integration of services and information under different services.
- Information availability in the local language interface through multiple delivery channels.
- Information on best practices adopted will lead to overall growth of the agriculture sector.

**URL:** <http://www.farmers.gov.in>

#### ■ Permits

Permits software computerizes all the tasks related to National Permit, Stage Carriage Permit and Contract Carriage Permit. It has facility for payment of Composite Fee for National Permit thereby allowing the transporter to operate his vehicle throughout India.

Nation Permit Portal has facility for online acceptance of composite fee through net banking as well as through e-challan generated from the portal. It is being used in all 4 Regional Transport Authorities for issuance of National Permits.

It has following features/functionalities:

- National Permit by payment of composite fee
- Goods Permit



- Stage Carriage and Contract Carriage Permit
- Generation of Permit Register
- Generation of Account Statement

**URL:** <https://vahan.nic.in/npermit/>

#### ■ **Mobile Based Fertilizer Management Information System**

GoI in collaboration with NIC has started a Mobile based Fertilizer Management System (known as mFMS) where the monitoring of the supply and availability of different kinds of fertilizers right from the source i.e. manufacturing company to whole seller and then to retailer is monitored with the help of mobiles. mFMS web application facilitates companies, wholesalers and retailers to report fertilizer sales, receipts and stock. Wholesalers and retailers are using a simple user friendly mFMS mobile application for acknowledging receipt of fertilizers, reporting onward fertilizer sale, and reporting daily stock position. As and when some movement of fertilizer takes place from one source to another source, this application helps the government to determine the availability of fertilizers in the different locations in the country in a real time mode.

It has following features/functionalities:

- Single point of Access for all stake holders
- Instant status on fertilizer availability, stock, consumption etc.
- Using DBT in the disbursement of subsidy to the companies on actual sales
- Creation of the database of wholesaler and retailers
- Availability of fertilizer at various places so as to assess the need and dispatch of fertilizer to the location having minimal supply left.
- Use of smartphones & POS devices
- Both web-based and Mobile based apps
- Information visibility in the fertilizer supply chain

**URL:** <http://www.mfms.gov.in>

#### ■ **Economic and Statistical Organization(ESO) Project**

Economic and Statistical Organization, Punjab, is a nodal department for effective coordination of statistical activities of each and every department of Government of Punjab and for strengthening the socio-economic database of the state. The Planners, Research scholars, social thinkers and administrators heavily rely upon the statistical data available with this Department which highlights the level of socio-economic development of the State. This data helps in formulation and evaluation of Development Programs of the State and identifies different bottlenecks in these programs for taking corrective measures for proper development of the State. In order to facilitate the collection of data from the field offices of ESO and other departments of Punjab Government and for further processing and analysis, NIC Punjab has developed an application for ESO, consisting of various modules, looking



after different sectors being dealt by ESO. In addition, IP Telephony and LAN have been commissioned at all the field offices and Head Quarter of ESO.

It has the following modules:

- Village Directory
- Index of Industrial Production (IIP)
- Consumer Price Index (CPI)
- State Income (SI)
- Employee Statistics (ES)
- Budget Monitoring System (BMS)
- Local Body Accounts (LBA)
- Right To Information (RTI)

It has following features/functionalities:

- Web based application
- 24x7 network connectivity amongst ESO offices
- Single sign-on
- capturing online data from field (district / blocks) offices
- Automatic compilation and tabulation of data
- Extensive data validation checks
- Authorization check for data access
- Multi user data entry and query
- Use of standardized codification scheme to save time and reduce data entry errors
- Database design to ensure data integrity and security
- Bilingual Entry i.e. in English and Punjabi can be done
- Reports can be taken as bilingually i.e. in English and Punjabi
- Parameters can be added dynamically
- Improved, effective and very low cost communication
- Improved reporting
- Timely availability of correct information
- Sharing of information
- Improved overall analysis, presentation and dissemination of data
- Elimination of human error while compiling the data
- Enhanced transparency
- Centralized data for all the field offices i.e. uniformity of data
- Improved efficiency in office operations
- Reduction in duplicity of efforts
- Reduction in data duplicity and data redundancy
- Better and effective planning by ESO and State Government

- Better and faster analysis of data through customized reports generated at different levels
- Automation of various reports based on the data
- Online availability of standard forms used for reporting or recording of information in the department

**URL:** <http://10.147.1.178/nicesopbdemo/>, <http://10.147.1.178/cpi>

#### ■ **eTaal (Electronic Transaction Aggregation and Analysis Layer)**

eTaal is a Dashboard which provides visual analysis of services being offered by various-Governance applications including Mission Mode Projects (MMPs). It gives consolidated transactions count and graphical analysis. eTaal presents quick analysis of transaction counts in graphical form (Bar Chart, PI Chart, Bubble Chart etc.) and as Tabular Statements to give quick view of data received from various e-Gov projects. It also provides a tool to drill down into the graph to get detailed view of it in three categories; State Wise, Service Wise and Year/ Month / Week Wise. It provides visibility for the national/state level services of e-Governance Projects and presents status on actual utilization of various systems running at multiple locations across the country.

It has following features/functionalities:

- ✓ Standardization of various services.
- ✓ Categorization of various services covered under various eGovernance application implemented in various states.
- ✓ Dashboard to provide the quick view of consolidated transactions covered under various applications.
- ✓ Provide time line analysis, Comparative Analysis, Line Chart Analysis for higher authority.
- ✓ Graphical analysis of various types transactions captured in eTAAL portal.

**URL:** <http://etaal.gov.in>

#### ■ **VC (Video conferencing)**

VC established in districts, Punjab Civil Secretariats, Chief Electoral Office, Chief Information Commissioner, Chief Secretary, Courts and being used by various departments of Punjab Government.

#### ■ **AGMARKNET (Agriculture Produce Marketing Information Network)**

AGMARKNET facilitates market fees collection, database of dealers, issuance of licenses for dealers etc. The State Agricultural Marketing Boards/Departments/Markets are collecting the desired market information and passing on the same to their

respective authorities and Head office of DMI for onward dissemination. For easy interface with farmers and other beneficiaries a portal for Agmarknet has been developed to serve as a single window for accessing websites of various organizations concerned with agricultural marketing. Besides price and arrival figure, the site provides weekly trend analysis, linkage to online commodity exchange of India, FAO website, etc.

It has following features/functionalities:

- Improving Information Access and Delivery of Services for sustainable agricultural growth and livelihood
- Adopting Global best practices
- Empowering Farming Community & other Stakeholders
- Promoting Informatics led Resource Planning and Management at grassroots level
- Strengthening Research and Education, Training, Extension and Development linkages
- Achieving Agriculture Online

**URL:** <http://agmarknet.gov.in/>

#### ■ Targeted Public Distribution System(TPDS)

Computerization of Targeted Public Distribution (TPDS) across the country has been taken up on priority with a view to address various challenges of the current system such as leakages and diversion of food grains in the TPDS supply-chain, fake and bogus ration cards, inclusion and exclusion errors, lack of transparency, weak grievance redressal social audit mechanisms.

NIC HQ developed software is being implemented in Punjab through which various functionalities are offered as follows:

- Digitization of ration cards/ beneficiary
- FPS management
- Computerization of Supply-Chain Management,
- Transparency Portal
- Distribution of Ration through ePoS machines

All 22 districts with around 15000 FPS are covered under the project serving around 35 Lakh beneficiaries. The model of ration distribution bi-annually is being hailed in the country and many states have shown their interests into it.

ePoS solution rolled out in all 22 districts across all FPS in the state with 6 monthes.

**URL:**[www.annavitran.nic.in](http://www.annavitran.nic.in)

#### ■ Payroll and GPF

Payroll SW has been designed and developed keeping in view requirements of State Government Departments as well as treasury norms related to payroll bills etc. The Software package is very comprehensive and capable in processing all the reports like Pay-Bills, various Schedules, Acquittance Roll, Bank Statement, Pay Slips, DA Arrears in the format acceptable to the Punjab Govt. and its Treasury offices. GPF Software has very user friendly interface and is being used in many departments of Government of Punjab for preparation of annual GPF statements and other related reports.

*This module is merged with HRMS.*

URL: <http://www.hrms.punjab.gov.in>

### ■ **NIC Cloud Services-Punjab State**

In order to utilize and harness the benefits of Cloud Computing, Government of India has embarked upon an ambitious initiative - "GI Cloud" which has been named as 'MeghRaj' to ensure optimal use of infrastructure & associated resources. Cloud Services are packaged in line with the requirements of Government Departments making it easier for them to make the right choice.

NIC Punjab has been allocated cloud area to cater to the needs of Punjab State.

#### **Objectives**

- Optimum utilization of infrastructure/resources
- Speeding up the development and deployment of eGov applications

#### **Services Offered**

Variety of service model like Platform as a Service (PaaS), Infrastructure as a Service (IaaS), Software as a Services (SaaS) and Storage as a Service (STaaS).

Hosting Environment: WINDOW, Various version of REDHAT, PHP, ASP.net, MS Sql Server, MYSQL, POSTGRESQL

### ■ **Dial.Gov**

dial.gov, a common man's interface was launched in December, 2012 to disseminate information about the various benefits provided by the Government through a unified platform for delivering information service catering to various sections of society. The aim of this single gateway, dial.gov, is to deliver information to citizens about various schemes and welfare services provided by the Central and State Governments and enabling the citizen to search for welfare benefits based on his/her eligibility.

It has following features/functionalities:

- Aims to disseminate the information to the beneficiaries regarding the benefits they are entitled for, thus bridging the gap between benefits and the entitled groups. The objective of this Group benefits under Dial.gov, is to deliver information to various groups.
- Facilitate the common man with information about the welfare schemes and services available through a single window dial.gov.
- Focused Information Delivery (FID) through multiple channels such as Call Centre, Interactive Voice Response System (IVRS), Mobile Application and Web Portal.
- Information on Benefits under any Scheme by Central/State government given to the Individual Common man related to Scholarships, Pension, Farmer, Women & Child, Sports, Youth, Self-Employment and Labour, etc.

**URL:** <http://www.dial.gov.in>

- **Census Applications** (Industries, Population, Education, Agriculture etc)  
As and when required, support is extended to census applications

- **Mahatma Gandhi National Rural Employment Gurantee Act (MGNREGA)**

A web based system facilitates for online data entry, issuing job cards and monitoring of work allocation and funds under NREGA, a central project, a central project. It has been implemented in districts of Punjab in a phased manner.

It has following features/functionality:

- NREGASoft automates vast range of activities of field functionaries, officials and beneficiaries via coherent centralized workflow engine spanning the length and breadth of our country.
- Intuitive user interface in localized Indian languages
- The system captures data at process initiation points.
- All stake holders have been provided space for their share of work through role based access
- System supports 500,000 record additions per day.

**URL:** <http://www.nrega.nic.in>

- **Indira Awas Yozna**

AWAASSoft is a local language enabled workflow based transaction level Management information system to facilitate e-governance in the System. [<http://iay.nic.in>]

Indira Awaas Yojana (IAY) was launched in May 1985 as a sub-scheme of Jawahar Rozgar Yojana. It is being implemented as an independent scheme since 1st January 1996. The Indira Awaas Yojana aims at helping rural people below the poverty-line

(BPL) belonging to SCs/STs, freed bonded labourers and non-SC/ST categories in construction of dwelling units and upgradation of existing unserviceable kutcha houses by providing assistance in the form of full grant.

It has following features/functionalities:

- Provision for target setting (physical and financial) at State, District, Block and Gram Panchayat level
- Selection of beneficiary from the Gram Panchayats, consolidation at Block and District level leading to sanction of the house.
- Transfer of fund from Ministry of Rural Development to the beneficiary
- Allows the Districts to submit their proposals online. It includes the preparation of audit report, Utilization Certificate and progress of scheme.
- Proposals sent by Districts are received by the programme division and further processing is done online till the fund is released from the bank.
- All stake holders can track the processing of proposals right from their seat.
- Captures profile of officials engaged in Indira Awaas Yojana and hence enhance the communication among stake holders
- Grievance redressal system allows every stakeholder to lodge grievance and to trace the subsequent response. Complaints escalate automatically to next higher level after every 30 days, if not attended.
- Generates all the reports required for planning and implementation at Gram panchayat, block, District, State, MoRD , bank and other stake holders.

**URL:** <http://iaay.nic.in>

#### ■ **National Social Assistance Programme (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).

It has following features/functionalities:

- Details of beneficiaries in the database.
- National Dashboard with summary of beneficiaries in country.
- State Dashboard for viewing the summary of a particular state.
- A variety of reports for efficient monitoring of details of beneficiaries under various schemes.
- Provision for searching the beneficiary details.
- Applicants/Authorities can check status of application for pension benefits.
- Provision for benefit transfer through Bank Account as well as in cash.

- Mapping of location codes with Census 2011 Codes.
- Facility to update data from state's local portal to NSAP portal through web service.

**URL:** <http://www.nsap.nic.in/>

#### ■ **Border Area Development Plan (BADP)**

Border Area Development Programme System is a web based application software implemented in the offices of district planning department of six border districts of Punjab and state planning department at Chandigarh for monitoring the progress of developmental works undertaken by state government in border districts for the funds allocated by Department of Border Management, Ministry of Home Affairs, Govt. of India.

It has following features/functionalities:

- State level fund allocation.
- Annual action plan block wise.
- Fund release by MHA.
- Financial progress at block / district level.
- Physical progress by uploading the photographs of the developmental works at different stages.
- Monitoring the progress of developmental works by MHA.

**URL:** [http://mha1.nic.in/badp\\_aap/index.html](http://mha1.nic.in/badp_aap/index.html)

#### ■ **Integrated Scheme Monitoring System (ISMS) for Department of Water Supply and Sanitation (DWSS)**

To improve the performance and cost effectiveness of the on-going programmes in the field of rural drinking water supply so as to ensure the availability of adequate quantity of drinking water of acceptable quality and to ensure sustained availability of such water on a long term basis, the scheme monitoring system was developed by NIC Punjab and was implemented in Water Supply & Sanitation department of Govt. of Punjab.

It has following features/functionalities:

- Scheme and Program Management System
- Contractor and Supplier Information System
- Material and Store management System
- Personnel & Payroll Information System
- Finance and Works Accounting System
- Resource Management System

- Water Quality Management System
- Equipment Information System
- Availability of a central repository of the data pertaining to all activities of WSSD.
- On-line Connectivity from all levels of offices to the database through Internet for feeding, updating and retrieving relevant information.
- The system to cover almost all major activities / works in an integrated approach thus eliminating replication of posting / recording of the same data by different entities / functionaries
- Integration of all programme data with the Habitation Directory which would ultimately lead to identification and monitoring of schemes implemented at the micro level

*The project has been handed over to the department.*

#### ■ **Panchayat Awards Portal**

The Panchayat Empowerment and Accountability Incentive Scheme (PEAIS) aims to incentivize Panchayats to put in place accountability systems to make their functioning transparent and efficient. Objective is to select the Best Block Panchayat, Zilla Parishad. Online questionnaires are being uploaded at state and District level. Ministry of Panchayati Raj, GoI has been incentivizing the best performing Panchayats recommended by state government/UTs.

It has following features/functionality:

- Selection of number of District/Block/Village Panchayat to be awarded for each award by Ministry every year.
- On line preparation of Questionnaire by MoPR
- Online submission of answers to the questionnaire by GP.
- Functionality for evaluation by Block Level Committee, District Level Committee and finally by SPPAC.
- Provision for constitution of teams for verification
- Facility for acceptance or rejection of GP/BP/DP by SPPAC.
- Final Freezing VP/BP/DP for recommendation of awards.
- Offline module for answering questionnaire and its uploading.

**URL:** <http://panchayataward.gov.in/>

#### ■ **Waqf Management System of India (WAMSI)**

The objective this application is to computerise the process of Properties Registration Management, Muttawalli Returns Management, 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 Marriages, Scholarships, Schools, Hospitals, Dispensaries,



Musafirkhanas, Skill Development Centres, etc., Loans Management for Development Of Urban Waqf properties and compliance to RTI Act.

It has following features/functionalities:

- **Pre-Digitization Work:** The activity of keeping all the relevant Waqf Property Documents of a particular Waqf Estate (i.e., Auqaf Register Serial No. wise) in a single Physical Folder is called as Pre-Digitization Work. It also includes the activity of pasting/printing the Metadata Sheet (Covering Metadata Fields) on Front Cover of each Physical Folder, duly filled-in as per information contained in the Documents kept inside it.
- **Scanning Work:** The activity of Scanning should be done only when the Pre-Digitization work get 100% completed.
- **WAMSI-BDU:** WAMSI-BDU has been designed to capture Metadata Fields of Waqf Estate & upload related Scanned Documents of that particular Waqf Estate.
- **WAMSI-DMS:** is an offline System which is installed in the State Waqf Board's PC exclusively dedicated for the Software. The installed WAMSI-DMS is meant for storing scanned Documents (Waqf Properties Documents) with searching capabilities introduced through WAMSI-BDU Utility.
- **WAMSI-Online System:** is an Internet based System comprising following Modules:
  - a. WAQF property Management System
  - b. WAQF Property Archival Document Management
  - c. WAQF property Annual Return Management
  - d. Leasing of WAQF Property Management
  - e. Waqf Estate & Waqf Property Litigations Tracking Management

**URL:** <http://waqf.gov.in/wamsi>, <http://www.pbwakf.org> (Waqf Board)

#### ■ National Scholarship Portal(NSP)

National Scholarships Portal is one-stop solution through which various services starting from student application, application receipt, processing, sanction and disbursal of various scholarships to Students are enabled. National Scholarships Portal is taken as Mission Mode Project under National e-Governance Plan (NeGP).

This initiative aims at providing a Simplified, Mission-oriented, Accountable, Responsive & Transparent 'SMART' System for faster & effective disposal of Scholarships applications and delivery of funds directly into beneficiaries account without any leakages.

The Mission Mode Project (MMP) of National Scholarships Portal under the National e-Governance Plan aims at providing common electronic portal for implementing

various Scholarships schemes launched by Union Government, State Government and Union Territories across the country.

It has following features/functionalities:

- Common portal for various Scholarships schemes of Central and State Governments
- Online process from registration of application to final payment of scholarship.
- Ensure timely disbursement of Scholarships to students
- Create a Central transparent database of scholarships
- Avoid duplication in processing
- Harmonization of different Scholarships schemes & norms
- Payments through Direct Benefit Transfer (DBT)
- Simplified process for the students
- Improved transparency
- System suggests the schemes for which a student is eligible
- Master data for Institutions and courses at all India level
- Serves as a decision support system (DSS) for Ministries and departments as up-to date information will be available on demand.
- Comprehensive MIS System to facilitate monitoring every stage of Scholarships distribution

**URL: <http://scholarships.gov.in>**

#### ■ **PUBLIC FINANCE MANAGEMENT SYSTEM (PFMS)**

Public Financial Management System (PFMS) initially started as a Plan scheme named CPSMS of the Planning Commission in 2008-09 as a pilot in four States of Madhya Pradesh, Bihar, Punjab and Mizoram for four Flagship schemes e.g. MGNREGS, NRHM, SSA and PMGSY. After the initial phase of establishing a network across Ministries / Departments, it has been decided to undertake National rollout of CPSMS (PFMS) to link the financial networks of Central, State Governments and the agencies of State Governments. The scheme was included in 12th Plan initiative of Planning Commission and Ministry of Finance.

In December, 2013 the Union Cabinet approved the national roll out of PFMS for all States and schemes for a period of four years till 2017. The DBT Scheme was announced by the Government of India for implementation. It has been decided that payments (Aadhaar enabled or via NEFT) to ultimate beneficiaries will be processed through PFMS (CPSMS).

It has following features/functionalities:

- A financial management platform for all plan schemes.
- Integration with core banking solution of banks handling plan funds.
- integration with State Treasuries
- Efficient and effective tracking of fund flow to the lowest level of implementation for plan scheme of the Government.
- To provide information across all plan schemes/ implementation agencies.
- Fund utilization and expenditure management leading to better monitoring, review.
- Direct payment to beneficiaries through DBT
- Greater transparency and accountability in the use of public funds.
- Accounting Module for registered agencies
- Verification of data based on Digital Signature Certificate (DSC)
- Decision support system to enhance public accountability in the implementation of plan schemes.

**URL:** <http://pfms.nic.in>

#### ■ **National Career Service Portal(NCS)**

NCS portal is being implemented in coordination with Department of Employment Generation and Training (DEGT) Punjab. The portal aims to address the gaps in employment market by strategic interventions and partnership with leading institutions and organizations. All employment exchanges will be interlinked to NCS portal in order to improve availability and accessibility of career options.

It has following features/functionalities:

- A National ICT based portal primarily to connect the opportunities with the aspirations of youth. This portal facilitates registration of job seekers, job providers, skill providers, career counsellors.
- The portal provides job matching services in a highly transparent and user friendly manner. These facilities along with career counselling content will be delivered by the portal through multiple channels like career centers, mobile devices, CSCs, etc.
- The project would be capable of meeting the varied demands and requirements of the youth for information on education, employment and training and will be supported by a multi lingual call center.
- The NCS portal will also make available information on local service providers available to house hold and other consumers for services like driving, plumbing, carpentry, etc

**URL:** <https://www.ncs.gov.in>

#### ■ **Web Portal for Department of Local Government**

A comprehensive, secure web portal is being developed to disseminate information related to department. The portal will comply with GIGW and web accessibility guidelines. The portal will be integrated with content management system for easily managing overall content of the website.

It has following features/functionalities:

- Comprehensive and secure web portal for disseminating information related to the Department of Local Government.
- Comply with GIGW guidelines.
- Integration with CMS for easy management of overall content of web portal.
- Role based access management system to provide secured, restricted access to different stake holders.
- Latest updates, important events available to citizens on the home page itself and within Site Search feature.
- Disabled friendly website so that the available information is easily accessible to people with disability.
- Accessible on all platforms like all major browsers (e.g. internet explorer, Mozilla Firefox, Google chrome), disabled specific devices.
- Compliance with "Guidelines for Indian Government Websites (GIGW)" with STQC certification.
- Bi-lingual Website with English & Punjabi Version and to ensure that Punjabi & English content is universally accessible by using Unicode compliant font.

**URL:** <http://lgpunjab.gov.in/>

#### ■ **Digital Locker**

Digilocker is a key initiative under Digital India, the Indian Government's flagship program aimed at transforming India into a digitally empowered society and knowledge economy. Digital Locker System is a platform for digital issuance and verification of documents & certificates, thus eliminating the use of physical paper document. Potential issuer departments providing citizen centric services who have digitized records/data have been identified for awareness programs.

Functionality of Digital Locker was demonstrated to the officials of Department of Governance Reforms, Punjab so as to enable them to identify the applications which can be integrated with DigiLocker.

#### ■ **Information Repository System (Punjab Police Intelligence)**

To ensure effective policing, Punjab Police Intelligence need to setup an organization wide, central information repository system which will help the Punjab Police Intelligence Wing to capture & retain the vast information available within the

organization from various sources so as to improve the Intelligence analytics. This system would provide a platform for information gathering and exchange of information amongst field operatives, field units, offices and by technical surveillance in intelligence wing of Punjab Police.

Following are essential components that form a complete IRS

- ✓ Collaboration capabilities to bridge people & information.
- ✓ Information Management to have a platform for seamless Information dissemination and augmentation.
- ✓ Taxonomy for easily Information discovery & classification.
- ✓ Business Intelligence "aka" analytics Gateway – to provide common & seamless integration between services.

#### ■ **Canteen Management System (CMS)**

Canteen Management System is software for the computerization daily sales in different Canteens in Punjab Civil Secretariat – I & II regarding tea and snacks served during meetings held in the Department's and Minister's Office.

It has following features/functionalities:

- Role based access
- Location wise Canteen's sales management
- Location wise, canteen wise and officer wise data entry
- Bifurcation of VIP and Ordinary Officer
- Automatic rate calculation for VIP and Ordinary Officer
- Generation of MIS reports
- Online data entry at CMS web application

#### ■ **Paddy Procurement MIS**

On request from department, Paddy Procurement software developed by NIC Chhattisgarh state unit was demonstrated, gap analysis done for Miller and Arthia Registration and changes are incorporated and made available on which is incorporated and site is made available on <http://52.172.55.117/Procurement/Login.aspx>.

However, the entry is not taking place at desired pace due to certain political and administrative reasons.

**Awards**

<b>S.No.</b>	<b>Award Name</b>	<b>Year</b>	<b>Project Name</b>
1.	Award for Excellence in eGovernance during the elets Urban Transformation Summit	12.12.2019	eOffice Implementation
2.	SKOCH Order of Merit Award & SKOCH Gold Award	23-Jun-2018	e-Labour Punjab, Department of Labour Govt. of Punjab
3.	SKOCH Order of Merit Award	23-Jun-2018	eOffice Implementation in Department of Governance Reforms
4.	CSI Nihilent e-Governance Awards	2017	eOffice Implementation in Punjab
5.	CSI Nihilent e-Governance Awards	2017	PPSC (Punjab Public Service Commission (PPSC))
6.	Skoch Order of Merit	2017	Implementation of eOffice in Department of Governance Reforms, Punjab
7.	Skoch Order of Merit & Skoch Silver Award	2017	Implementation of eOffice in DC office Barnala
8.	Skoch Order of Merit	2017	Implementation of eOffice in DC office Fatehgarh Sahib
9.	Skoch Order of Merit	2017	Automation of Economic and Statistical Organization (ESO) Punjab
10	Skoch Order of Merit	2016	One Stop Clearance System <a href="http://investpunjab.gov.in">http://investpunjab.gov.in</a>
11	Award of Appreciation - CSI Nihilent Awards	2016	One Stop Clearance System <a href="http://investpunjab.gov.in">http://investpunjab.gov.in</a>
12	Digital India Award 2016 in Exemplary Online Service	2016	One Stop Clearance System <a href="http://investpunjab.gov.in">http://investpunjab.gov.in</a>
13	Skoch Order of Merit among India's best e-Governance Project	2016	ITI eCounseling-2014 for Department of Technical Education and Industrial Training, Punjab.  <a href="http://itipunjab.nic.in">http://itipunjab.nic.in</a>
14	Skoch Order of Merit	2016	eITI <a href="http://www.punjabitis.gov.in">www.punjabitis.gov.in</a>
15	Skoch Order of Merit among India's best e-Governance Project	2014	Midday Meal Monitoring System <a href="http://mdmpunjab.gov.in">mdmpunjab.gov.in</a>

**Establishment of NKN in Institutes**

End Point	Category
IIT Ropar	Engineering
National Agri-Food Biotechnology Institute,C-127, Industrial Area, S.A.S. Nagar, Phase 8,Mohali, Punjab, India	Research
C-DAC Mohali	
NIT Jalandhar	Engineering
Central Institute of Post-harvest Engineering & Technology, Ludhiana	Engineering
School of Information Technology, College of Agricultural Engineering and Technology Punjab Agricultural University	STATE UNIVERSITY
Guru Angand Dev Vetenary Science & Animal Sc. University	STATE UNIVERSITY
Punjab Government Dental College and Hospital, Amritsar	Medical
SGTB Hospital / Medical College, Amritsar	Medical
Giani Zail Singh College Of Engineering & Technology, Bathinda	Engineering
Shaheed Bhagat Singh College Of Engineering & Technology, Ferozpur	Engineering
Govt Medical College, Patiala	Medical
Guru Govind Singh Medical College, Faridkot	Medical
National Institute of Pharmaceutical Education and Research, Punjab	Research
Beant College Of Engineering & Technology Gurdaspur	Engineering
Indian Institute of Science, Education and Research, Mohali	Research
BABA Farid University of Health & Science, Faridkot	Medical

**Network and Web Services**

- **Domain Name Registration**
- **Email Creation**
- **VPN Services (Remote Publishing facilities)**

**For any queries, please contact:**

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