



Ministry of Electronics and Information  
Technology, Government of India



# NATIONAL INFORMATICS CENTRE KERALA





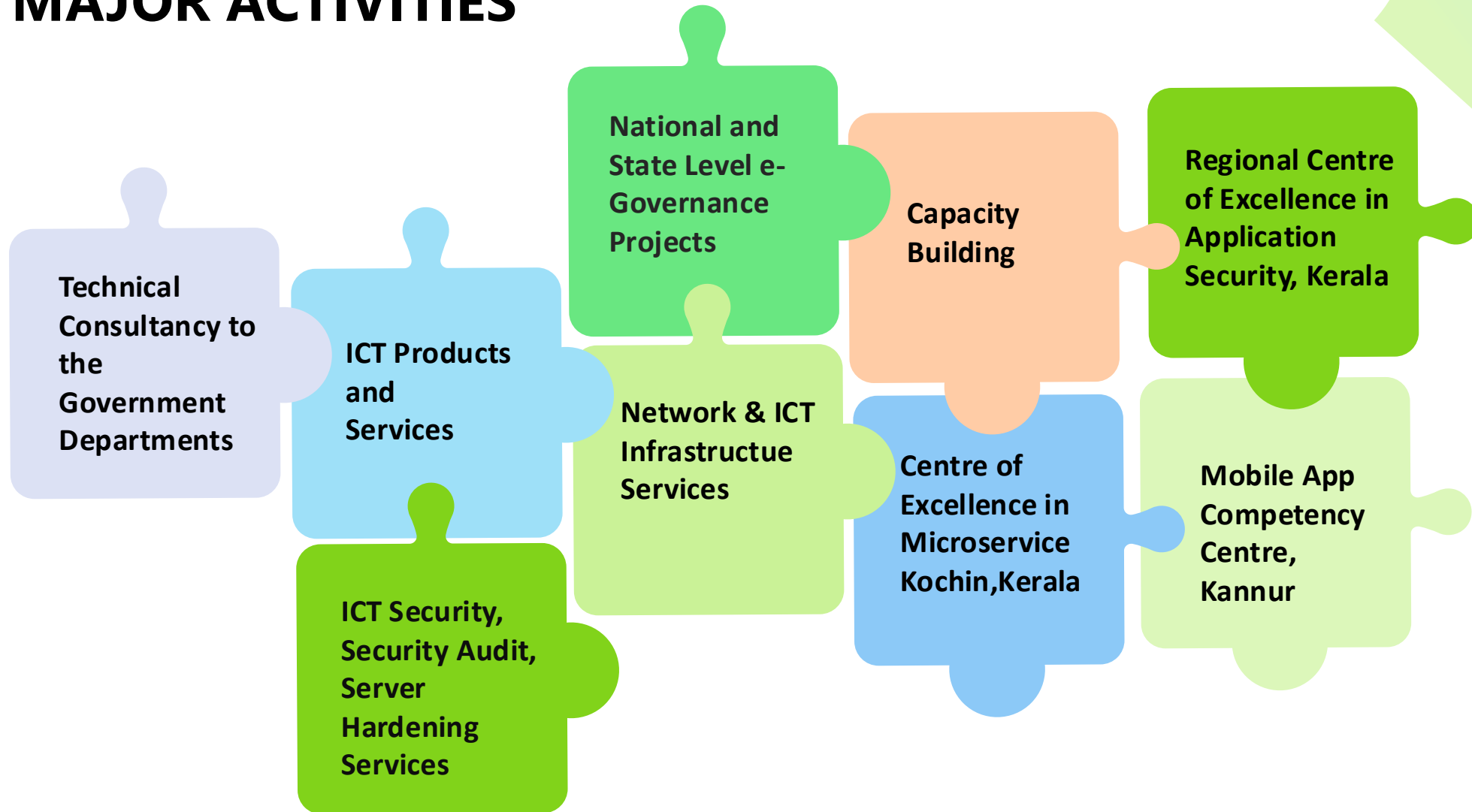
## ABOUT NIC

National Informatics Centre, Kerala State has been actively involved in the ICT based e-Governance solutions for the Government of Kerala and Central Organisations in Kerala over the last 35 Years.

NIC Kerala has developed and implemented many significant and successful e-Gov applications.

NIC Kerala provides support for NKN services, Video Conferencing Services, Web and Email services and technical consultancy services to various Government Departments.

# MAJOR ACTIVITIES



**DIGITAL**  
**PLATFORMS**  
**& SERVICES**  
**COVERAGE IN**  
**KERALA**



**16+ SECTORS**

**20+ DEPARTMENTS**



# MAJOR SECTORS



**HEALTH**  
**EDUCATION**  
**FINANCE**

**TRANSPORT**

REVENUE, FOOD & **CIVIL SUPPLIES**,  
HOME & JUDICIAL

**INDUSTRIES**

**AGRICULTURE**, HORICULTURE, FISHERY

HUMAN RESOURCES

OFFICE PRODUCTIVITY

**ELECTION**

OTHERS

# Major Sectors

HEALTH	EDUCATION	FINANCE	TRANSPORT
REVENUE	FOOD & CIVIL SUPPLIES,	HOME & JUDICIAL	INDUSTRIES
AGRICULTURE	HORICULTURE	FISHERIES	HUMAN RESOURCES
OFFICE PRODUCTIVITY	ELECTION	SURVEY	OTHERS



# FINANCE

SECTOR



# INTEGRATED FINANCIAL MANAGEMENT SYSTEM (IFMS)

FINANCE & TREASURY DEPARTMENT

<https://ifms.kerala.gov.in>

**Integrated Financial Management System (IFMS)** is one of the prestigious Projects of Government of Kerala undertaken by Finance Department and Treasury Department. IFMS Kerala has been conceived in-line with the Modernization of Treasury Systems, which is one of the MMPs of Government of India. IFMS envisages end-to-end integration system among various stakeholders such as Finance Department, Treasury Department, Administrative and Line Departments, Accountant General, RBI and Banks.





# INTEGRATED FINANCIAL MANAGEMENT SYSTEM (IFMS)

FINANCE & TREASURY DEPARTMENT

<https://ifms.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Core Treasury Information System (CoreTIS)
- ✓ Treasury Savings Bank (TSB)
- ✓ e-Treasury – Receipt Management System
- ✓ Budget Allocation and Monitoring System (BAMS)
- ✓ Bill Information and Management System (BiMS)
- ✓ Pensioner's Information and Management System (PIMS)
- ✓ eTR5 – Treasury Receipt
- ✓ eKuPay – Integration with eKuber of RBI
- ✓ Integrated Accounts Management System (iAMS)
- ✓ CRA (Centralized Record-keeping Agency)
- ✓ eLedger – Electronic Ledger
- ✓ WaMS – Ways and Means System
- ✓ eStamp – eStamp for less than 1 Lakh
- ✓ TSB Online for TSB Customers
- ✓ Pension Portal for Pensioners
- ✓ iSOFT – Dashboard of Financial Transactions
- ✓ UMAS – User Management and Administration System

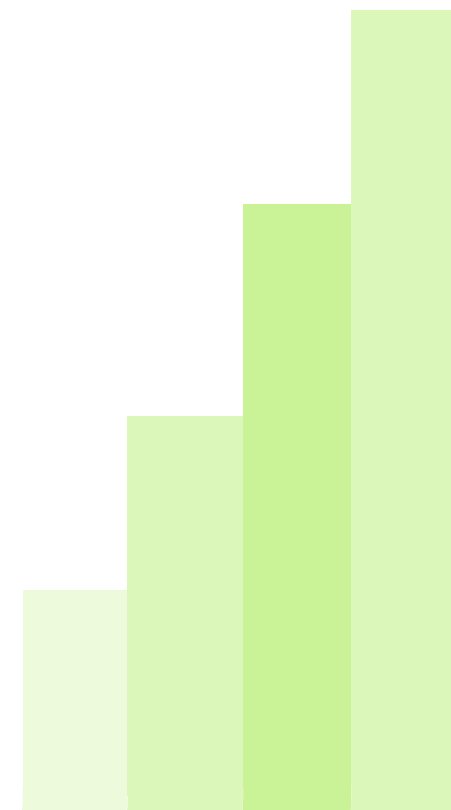
# INTEGRATED FINANCIAL MANAGEMENT SYSTEM (IFMS)

FINANCE & TREASURY DEPARTMENT

<https://ifms.kerala.gov.in>

## INTEGRATION WITH STAKEHOLDER SYSTEMS

- |                      |   |
|----------------------|---|
| ✓ Department Portals | ✓ e-Anumathi for Administrative Sanctions |
| ✓ SPARK              | ✓ NeSL for eStamp                         |
| ✓ e-Kuber 2.0 of RBI | ✓ EBAS                                    |
| ✓ GAINPF             | ✓ NSDL for NPS Data Exchange              |
| ✓ PFMS               | ✓ Saankhya (LSGD Systems)                 |
| ✓ Planspace          | ✓ AG Systems                              |
| ✓ GeM                |   |
| ✓ GSTN               |   |



# KERALA PENSION'S PORTAL

FINANCE DEPARTMENT

## MAIN FEATURES

- ✓ Citizen portal for pensioners
- ✓ Monthly Pension Details
- ✓ Pension Statement for IT Calculation
- ✓ Upload Documentary evidence for IT rebate
- ✓ Multiple Pension Details available
- ✓ Details of Mustering in Jeevan Pramaan

2004 Onwards

# Service & Payroll Administrative Repository for Kerala (SPARK)

FINANCE DEPARTMENT

<https://www.spark.gov.in>

SPARK is an integrated HR, Payroll and establishment accounts management system for all Government functionaries including legislature, Judiciary, executives, Schools and other educational institutions. It spreads across Grass root level offices like Village offices, schools, colleges, Krishi Bhavans, Veterinary hospitals to higher level offices including Government Secretariat. The system caters to the Administration, Payroll and Accounts matters of all Government establishments. A centralized personnel and payroll information system will help the departments to get the service records of any employee immediately, achieve highest level of transparency in dealing with the employees and enforce consistent application of rules among heterogeneous service categories (State, All India Service, State Judiciary, High Court, UGC etc..). **GSPARK for Grant-in-aid Institutions & PSUs and Uni-SPARK for Universities**

2004 Onwards

# Service & Payroll Administrative Repository for Kerala (SPARK)

FINANCE DEPARTMENT

<https://www.spark.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Permanent Employee Number (PEN)
- ✓ e- Service book
- ✓ Online General Transfer Processing
- ✓ Biometric Attendance System
- ✓ Online Leave/OD/C-off Application
- ✓ Temporary Employee Modules
- ✓ Paperless e-Submission of Bills
- ✓ Online GPF Modules
- ✓ DSC approval
- ✓ Pay Revision Fixation
- ✓ Seniority List Generation
- ✓ Property Returns
- ✓ Income Tax
- ✓ SPARK OnMobile App
- ✓ Integration with Treasury/AG System
- ✓ Integration with Sandes/NIC-SMS
- ✓ Integration with AeBAS
- ✓ UIDAI Aadhaar Authentication



2004 Onwards

# Service & Payroll Administrative Repository for Kerala (SPARK)

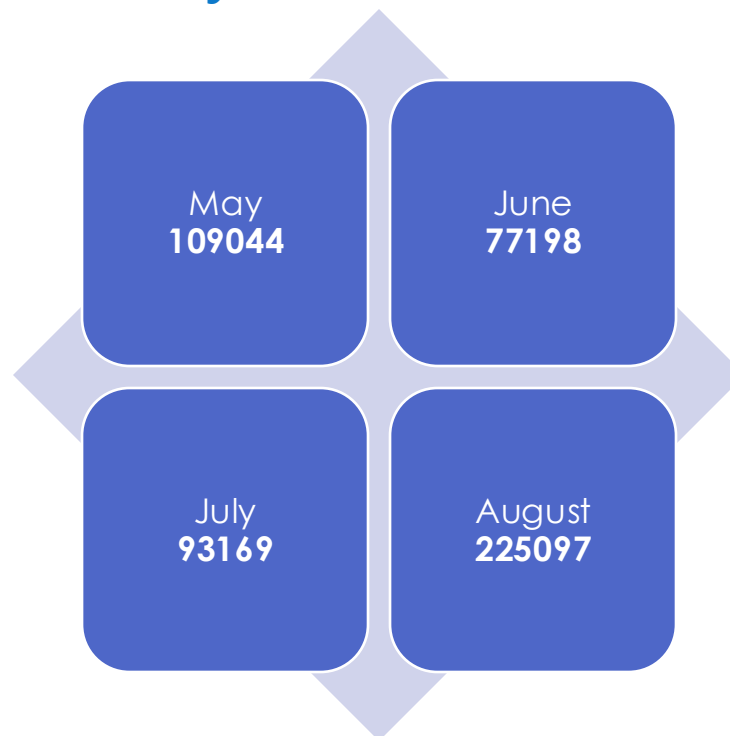
FINANCE DEPARTMENT

<https://www.spark.gov.in>

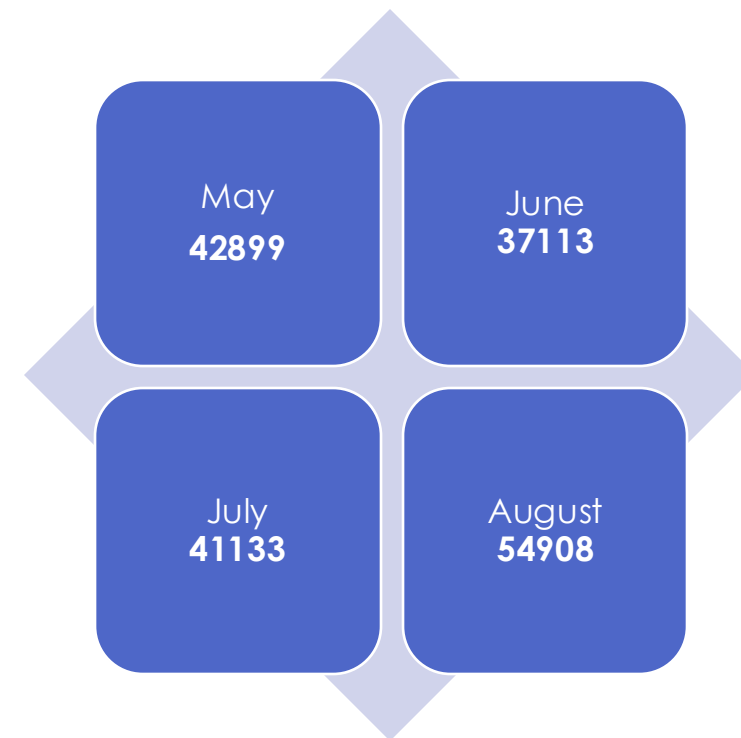
## Application Users so far



## Salary Bills Processed in 2023



## Claims Processed in 2023



# BUDGET<sub>2.0</sub>

FINANCE DEPARTMENT

**Budget 2.0 is the software for preparing the Budget of Kerala Government. The software manages activities like Budget Estimation, Preparation of Budget, Publishing Budget Documents, Post Budget activities like Additional Authorization, Supplementary Budget, Contingency Fund Management, Re-appropriation of Funds, Resumption, Regularization of Funds and Alteration Memorandum.**

## CORE FEATURES

- ✓ Processing Work Bills
- ✓ Preparation of Bill Schedules
- ✓ Preparation of LoC
- ✓ Allocation of LoC Fund
- ✓ Integrated with Parichay
- ✓ Monitoring Bill Status
- ✓ API integration with PRICE & Treasury
- ✓ Dashboard for status monitoring

2019 Onwards

# E-ANUMATHI

FINANCE DEPARTMENT

<https://eanumathi.kerala.gov.in>

**“e-Anumathi” is a work flow based, single window software application for generating digitally signed Administrative Sanctions for all Government Departments with unique AS number across the State and to track the expenditure against each Administrative sanctions.**

## MAIN FEATURES

- ✓ Unique AS number across the State
- ✓ Budgetary control on AS
- ✓ Expenditure control on AS
- ✓ Digitally Signed AS
- ✓ Integrated with Parichay
- ✓ Centralized AS Repository
- ✓ API integration for AS
- ✓ Dashboard for status monitoring

Number of AS  
Generated

28,192

Amount (Cr)

8870.62



2016 Onwards



# BDS – Bill Discounting System

FINANCE DEPARTMENT

<https://bds.kerala.gov.in>

Bill Discounting System facilitates the Contractors / Suppliers to get their bills cleared in a discounted rate on priority and with assurance. Contractors / Suppliers can opt their bills to process through BDS and Government will issue Promissory Note to the contractor. Based on the PN, the contractor can get the payment through his/her opted bank in advance. The payment will be credited to the contractor's account.

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Opting bills under BDS
- ✓ Bank Account verification
- ✓ Approval of DDO
- ✓ Issuance of Promissory Note
- ✓ Payment to Contractor Account
- ✓ Digitally Signed Documents
- ✓ Monitoring Bill Status
- ✓ API integration with Treasury
- ✓ Dashboard for status monitoring

Number of Bills Processed

33,600

Amount (In Cr)

12,402.69

2016 Onwards

# EFFECTIVE MONITORING OF LETTER OF CREDIT ISSUANCE (EMLI)



FINANCE DEPARTMENT

EMLI is a web based application developed for Finance Department for automating the Issuance of Letter of Credit (LoC) based on the bills submitted by the division / sub division offices of work executing departments. The application enables the online submission of bills from Division offices of the drawing departments. EMLI facilitates bill preparation and processing, issuance of LoC and Government Order (GO) and fund allocation based on LoC.

## MAIN FEATURES

- ✓ Processing Work Bills
- ✓ Preparation of Bill Schedules
- ✓ Preparation of LoC
- ✓ Allocation of LoC Fund
- ✓ Integrated with Parichay
- ✓ Monitoring Bill Status
- ✓ API integration with PRICE & Treasury
- ✓ Dashboard for status monitoring

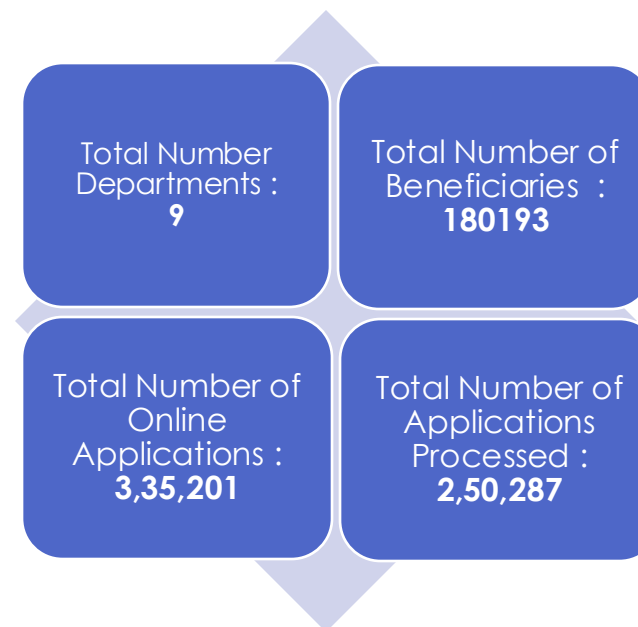
Number of Bills Processed	2,56,899
Amount (In Cr)	27,763.31

# Government Aided Institutions Provident Fund (GAINPF)

FINANCE DEPARTMENT

<https://gainpf.kerala.gov.in>

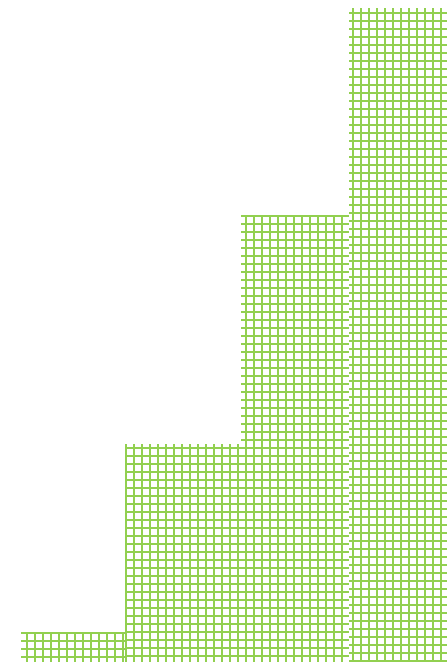
Project aimed to establish a web based Provident Fund Monitoring system for Government aided Institutions in Kerala State. In order to maintain proper accounts and speedy process of advances, Pay & Accounts Office desire to computerize all the activities related to the PF. Implemented in all the Aided Institutions under 9 Departments of Government of Kerala with Dynamic workflow architecture.



# LEGISLATIVE ASSEMBLY CONSTITUENCY - ASSET DEVELOPMENT SCHEME PORTAL

FINANCE DEPARTMENT

Legislative Assembly Constituency-Asset Development Scheme Portal has been developed for sanctioning /monitoring asset works of around 700 Crore each year for 5 years in various LACs. The asset works are proposed by MLAs and its financial concurrence is issued through this system. The main feature of the system is its workflow based decision making system.



# LEGISLATIVE ASSEMBLY CONSTITUENCY - ASSET DEVELOPMENT SCHEME PORTAL

FINANCE DEPARTMENT

## MAIN FEATURES

- ✓ Registration of MLA Letters
- ✓ Generation of Files
- ✓ Pre-verification of the requests
- ✓ Forwarding of UO Notes for preparation of DPR.
- ✓ Uploading & Processing of DPR through online workflow system
- ✓ Financial Concurrence Issue
- ✓ Administrative Sanction Order Issue
- ✓ Online Submission of letters by MLA, cancellation requests by MLA, substitution requests by MLA
- ✓ Receipt of online submission by ADC staff
- ✓ Registration of letters received manually
- ✓ Creation of files and Generation of Letters for DPR by agencies/departments
- ✓ Uploading of DPRs and Financial Concurrence Issue
- ✓ Forwarding to Finance Department Nodal Centre for approval (project costing 1 Crore or above)
- ✓ Proceedings issue



# GEMS

FINANCE DEPARTMENT

**The GEMS Software has three core modules viz Pay, Leave, Pension. Pay module which caters to pay fixation and making entries in the system which is necessitated by about 50 events or situations. Important among them are appointments necessitating opening of a new GER, promotion, grade fixation etc.**

## MAIN FEATURES

GEMS takes care of processing of entitlement functions in respect of 50,000 plus gazetted officers coming under six domains viz.

- ✓ Other Gazetted Officer (KSR – the main domain)
- ✓ AIS Officers
- ✓ UGC/AICTE
- ✓ Judiciary
- ✓ Governor / Ministers/ MLAs /Personal Staff
- ✓ KPSC Members

# PENSIONER WEB MANAGEMENT SYSTEM UNDER ACCOUNTANT GENERAL

FINANCE DEPARTMENT

## AG office is managing Kerala State Pensioner records

### MAIN FEATURES

- ✓ Regular / Original Authorizations issued at the time of retirement
- ✓ Revision Authorization issued at the time of revision of Pension authorization either due to change in service or change in Emoluments
- ✓ Differential Death Cum Retirement Gratuity(DCRG) Authorizations issued due to change in declaration of Dearness Allowances or releasing on a later date
- ✓ Authorizations issued in Family Pension Cases (Death while in Service)
- ✓ Revision Authorizations issued in Family Pension Cases (Death while in Service)
- ✓ Authorizations issued in those cases where Pensioner expired after retirement but before receipt of Pensionary benefits
- ✓ Revision Authorizations issued in those cases where Pensioner expired after retirement but before receipt of Pensionary benefits
- ✓ Service Gratuity, Revision Service Gratuity

# ACCOUNTANT GENERAL GPF WEB PORTAL

FINANCE DEPARTMENT

**AG office is maintaining State Govt employees PF accounts. All the activities related GPF managements are done through intranet web portal. It is used to process for new admission at the time of joining Govt Service. A new account number is allotted as per relevant PF rules. It indicates all possible transactions such as temporary advance, Non Refundable Advance, Conversion of temporary advance and closure of accounts.**

## MAIN FEATURES

- ✓ Web service for receiving PF application
- ✓ Processing PF application
- ✓ Approval process
- ✓ Creating Digitally Signed XML.
- ✓ Electronically sending to SPARK for bill preparation



# VLC MANAGEMENT SYSTEM – ACCOUNTANT GENERAL

FINANCE DEPARTMENT

Offices of Accountants General (Accounts & Entitlements) are maintaining state accounts. VLC section of AG office is handling the entire process of VLC.

- ❖ Monthly Accounts
- ❖ Account settlements and Adjustments
- ❖ Annual Accounts

## MAIN FEATURES

- ✓ Web Interface for pulling voucher data from treasury over webservice
- ✓ Tallying with consolidated data
- ✓ Compilation
- ✓ Reconciliation
- ✓ Supporting document verification



# **PUBLIC WORKS**

2019 Onwards

# PRICE 3.0 - Works Management Solution for Public Works

PUBLIC WORKS

<https://price.kerala.gov.in>

Project Information & Cost Estimation (PRICE) software is a revolutionary initiative of Government of Kerala which aims to unify the work methodology, rates across the state irrespective of Department and Organizations who uses public money for infrastructure works. This software provides systematic guidance and control in administration and execution of infrastructure projects within the frame work of prevailing Government rules, norms and guidelines.

7

Engineering  
Departments

202

Other  
Engineering  
Organizations

1

Municipal  
Corporation of  
Delhi

2019 Onwards

# PRICE 3.0 - Works Management Solution for Public Works

PUBLIC WORKS

<https://price.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Estimation
- ✓ Dynamic NIT Documents
- ✓ PQ evaluation
- ✓ Negotiation
- ✓ Letter of Acceptance
- ✓ e-Agreement
- ✓ Site handover
- ✓ eMBook
- ✓ Quality Control
- ✓ Hindrance Register
- ✓ EBills
- ✓ Asset Management
- ✓ Contractor's Portal
- ✓ Contractor's Licence Processing
- ✓ PWD Services Portal
- ✓ Centralised DAR
- ✓ Integration with GepNIC
- ✓ Integration with IFMS

# SECURE (Software for Estimate Calculation Using Rural rates for Employment)

MoRD

<https://secure.nic.in>

- ✓ **SECURE** is a web based application developed by NIC Kerala for creating estimates for MGNREGA works and it is implemented in 2016 in Kerala.
- ✓ SECURE is general purpose utility software implemented across the country for all MGNREGA works.
- ✓ **SECURE** was piloted across the country since May 2018.
- ✓ Currently SECURE is rolled out in **30 states** across India.
- ✓ Ensures uniformity, accountability and transparency in preparing estimates and according sanctions for MGNREGS works across India.
- ✓ Effective monitoring of the Programme necessitates computer based monitoring.
- ✓ Work estimates are created online and it is available in the internet, anytime and anywhere it can be accessed.
- ✓ Any person can see the status of the work estimates and decisions can be taken based on the reports.

# SECURE (Software for Estimate Calculation Using Rural rates for Employment)

MoRD

<https://secure.nic.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Creating estimates and Online submission of estimates to higher offices.
- ✓ Rates are mapped to location.
- ✓ Estimate can be viewed by higher officers, edited by designated officers.
- ✓ Estimates can be returned for correction/modification.
- ✓ Predefined work flow for creation and approval of estimates.
- ✓ File history of approval process maintained.
- ✓ Estimates & DPR can be prepared in a very short period
- ✓ Recalculation of estimates are done when ever LMR changes.
- ✓ Rate changes are limited to specific intervals.
- ✓ Uniformity, Accuracy and transparency in estimate preparation
- ✓ Knowledge base of templates help in creating estimates within minutes.
- ✓ Analytics/MIS reports are generated for the state & MoRD.
- ✓ Centralized user management system.
- ✓ Green initiative since it paper less movement of files.



# REVENUE SECTOR

2000 Onwards.

# PEARL-PACKAGE FOR EFFECTIVE ADMINISTRATION OF REGISTRATION LAWS

REGISTRATION DEPARTMENT

<https://pearl.registration.kerala.gov.in>

PEARL is a web-enabled application designed and developed for Registration Department, Govt. of Kerala for computerizing all services this department. This system is operational in all 315 registration offices of the state since 2000.

Public is now getting services through PEARL-Public portal and all office procedures are done through OFFICE PEARL which runs in a highly secured network. All payments are made online and integrated in Treasury.

It is a pioneer project of the Registration department of Kerala and integrated with various other services like Revenue Land Information System(ReLIS), eTaal etc.



2000 Onwards.

# PEARL PUBLIC & OFFICE PEARL

REGISTRATION DEPARTMENT

<https://pearl.registration.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Web based application
- ✓ Property Registration
- ✓ List Certificate
- ✓ Digitally Signed Certified Copy
- ✓ Marriage Registration
- ✓ Clearance from Societies(GEHAN)
- ✓ Digital note on document
- ✓ Digital Endorsement
- ✓ Chit Registration
- ✓ Any Where Registration
- ✓ Maintenance of Accounts Register
- ✓ MIS Reports
- ✓ E-stamping
- ✓ Digital Endorsement

2000 Onwards.

# PEARL PUBLIC & OFFICE PEARL

REGISTRATION DEPARTMENT

<https://pearl.registration.kerala.gov.in>

## STATISTICS

#	Service	Count for 2022-23
1	Documents Registered	10,36,895
2	e-Stamp Generated	98,378
3	Encumbrance Certificates issued	27,58,822
4	Certificate Copies issued	7,08,432
5	Marriage Certificates Generated	12,467

#	Service 2022-23	Revenue Generated (Rs. in Crores)
1	Document Registration	5,485.31
2	e-Stamping	2,807.43
3	Encumbrance Certificates	58.16
4	Certificate Copies	26.05
5	Marriage Certificates	1.89

2015 Onwards

# ReLIS - REVENUE LAND INFORMATION SYSTEM

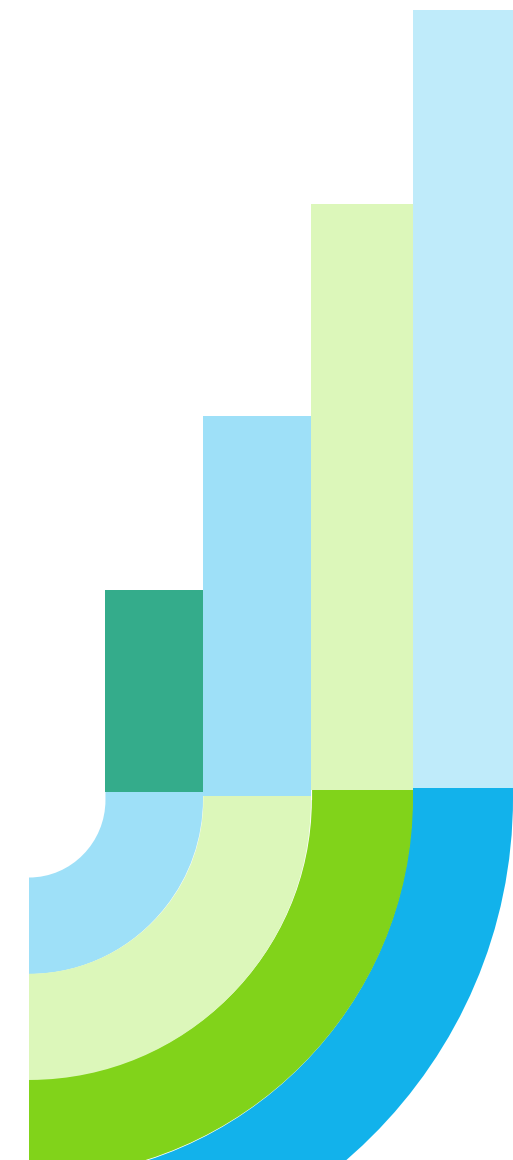
LAND REVENUE DEPARTMENT

<https://revenue.kerala.gov.in>

This project is conceived as per the **Digital India Land Records Modernization Programme (DILRMP)** to computerize and update land records and to facilitate citizen to obtain all services online. The project also envisages the Revenue and Registration integration to do mutation online, pay tax online and issue Record of Right to the needy landowners and achieving better employee relations.

All villages in Kerala, basic land records digitization has been completed. Online mutation and other services enabled.

**Received Chief Minister's Award for Innovations in Public Policy for the year 2019**



2015 Onwards.

# ReLIS - REVENUE LAND INFORMATION SYSTEM

LAND REVENUE DEPARTMENT

<https://revenue.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Online Mutation and processing (work flow)
- ✓ Online Applications and processing (work flow) for various Services
- ✓ Single Sign On - Parichay & Janparichay
- ✓ e-Payment of Tax and fees for Land related services
- ✓ Digital payments at Village with ePOS ,UPI and QR code
- ✓ Various Collections integrated with Other Applications
- ✓ Maintenance of Accounts and registers
- ✓ Dash Boards and Governance Reports for decision making
- ✓ Tharam Mattam ( Classification change)
- ✓ Various Land based online services
- ✓ Aadhaar Integration using Aadhaar Data Vault & UTP generation
- ✓ Mobile & Web Apps for Citizen

2015 Onwards

# ReLIS - REVENUE LAND INFORMATION SYSTEM

LAND REVENUE DEPARTMENT

<https://revenue.kerala.gov.in>

## STATISTICS 2022-23 till date

### Service Count - Daily Average

Record of Rights  
**3,000**

Transfer of Registry  
**3,600**

Online Land Tax Payers  
**22,000**

Digital Payments  
through Front Office  
**3,500**

### Service Count - Annual Actual

Record of Rights  
**8,48,155**

Transfer of Registry  
**10,19,071**

Online Land Tax Payers  
**79,86,502**

Digital Payments  
through Front Office  
**9,92,941**

### Revenue - Annual

Online Land Tax  
Collection  
**215.92 Crores**

Digital payments  
through Front Office  
**73.80 Crores**

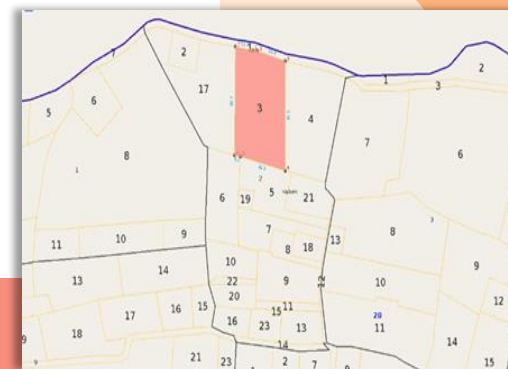
# EMAPS (BHUNAKSHA)

REVENUE DEPARTMENT

**BhuNaksha portal of Kerala hosts village level resurveyed digital maps enabling citizen to view and take print of Land Parcel Map. Integrated with the common Revenue ePayment portal for digitally signed sketches**

## MAIN FEATURES

- ✓ Land parcel map
- ✓ Ownership details integration.
- ✓ Print land parcel sketch map online.
- ✓ Digitally signed land parcel sketch map.
- ✓ Maintaining updation in map along with mutation





# LAND SURVEY

2022 On wards

# Resurvey Management Information System(RMIS)

DEPARTMENT OF SURVEY AND LAND RECORDS

<https://entebhoomi.kerala.gov.in/portal/>

The Resurvey Management Information System(RMIS) is an integrated land information system designed to streamline the digital survey process for 1,550 villages in Kerala. Its primary objective is to deliver accurate and up-to-date land information to both the government and the general public in real-time.

## THE PROJECT ENCOMPASSES TWO MAIN COMPONENTS:

**EnteBhoomi Public Portal:** This interface empowers the citizens to engage with the land information system, ensuring transparency and accessibility of land-related data for the public

**RMIS Employee Portal:** It enables the department officials to perform digital survey related activities within RMIS



2022 On wards

# Resurvey Management Information System(RMIS)

DEPARTMENT OF SURVEY AND LAND RECORDS

<https://entebhoomi.kerala.gov.in/portal/>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Upload and Approval of Legacy Land Records
- ✓ 6-1 Notification
- ✓ Pre-survey map preparation
- ✓ Post Survey map validation and management
- ✓ Detailed Survey
- ✓ Preparation of Land Parcel with Field Register
- ✓ 9(2) Publication and ALC Process and Settlement
- ✓ Preparation of Final Records
- ✓ 13 Publication
- ✓ Sandes Integration
- ✓ Survey Stock Management
- ✓ Citizen login

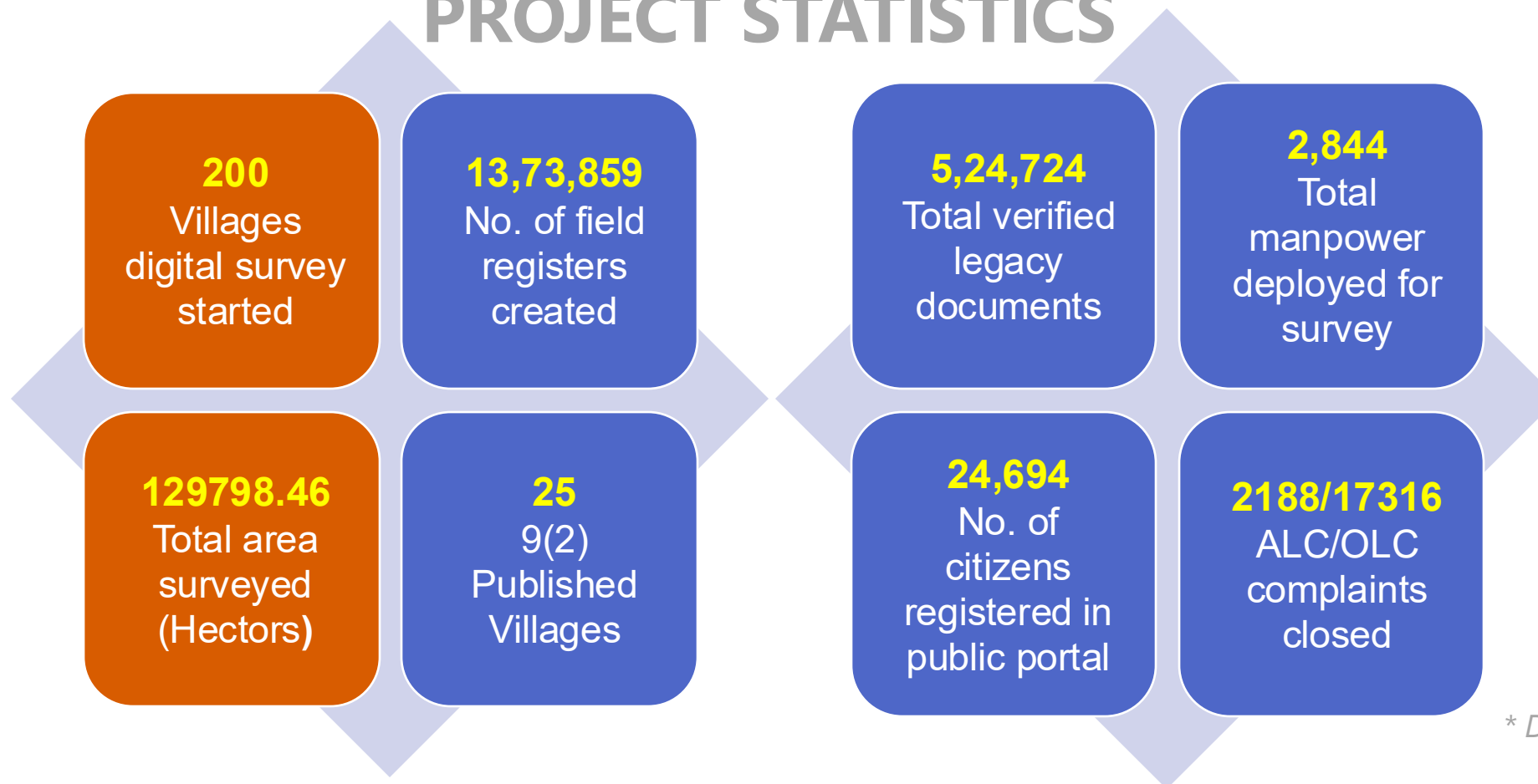
2022 On wards

# Resurvey Management Information System(RMIS)

DEPARTMENT OF SURVEY AND LAND RECORDS

<https://entebhoomi.kerala.gov.in/portal/>

## PROJECT STATISTICS



\* Data as on 23-09-2023



# FOOD & CIVIL SUPPLIES

SECTOR



# PUBLIC DISTRIBUTION SYSTEM

CIVIL SUPPLIES DEPARTMENT

Ration Cards were to be categorised into Andhyadaya (AAY), Priority(P), Non Priority Subsidy(NPS) and Non Priority Non Subsidy (NPNS) cards as per the rules and criteria laid down in National Food Security Act (NFSA). The ranking software were used to captured the basic parameters in the ration card data and identified the ‘inclusion’ and ‘exclusion’ criteria for including card holders within the ‘priority’ status. Launching of e-Services(RCMS) provided services related to RCMS to citizens and ration card holders through CSC portal(Common Service centers) and Citizen e-Services portal.



# PUBLIC DISTRIBUTION SYSTEM

CIVIL SUPPLIES DEPARTMENT

## eServices

- ✓ Issue of New ration cards
- ✓ Transfer of Card
- ✓ Add transferred cards
- ✓ Change of ownership of card
- ✓ Surrender of cards
- ✓ General details
- ✓ Change of ARD
- ✓ Change of address
- ✓ Seeding of Bank Account details
- ✓ LPG connection details
- ✓ Issue of Duplicate RC
- ✓ Addition of member
- ✓ Deletion of member
- ✓ Transfer of member
- ✓ Addition of transferred members
- ✓ Change of Profession
- ✓ Change of resident status
- ✓ Seeding of Aadhaar in PDS
- ✓ e-Payment for RC charges
- ✓ Printing of e-Card

## Mobile App for eServices

- ✓ 'Ente Ration Card' Mobile App - Card holders are able to view the ration card details, online submitted application status, etc on their mobile. The card holders can use the mobile ration card data for purchasing ration.
- ✓ 19 e-services of RCMS.





# DAIRY

## SECTOR



2019 Onwards

# KSHEERASREE

DEPARTMENT OF DAIRY DEVELOPMENT

[Ksheerasree.kerala.gov.in](http://Ksheerasree.kerala.gov.in)

Unified web enabled application for providing automated services and end-to-end solution to the Dairy Cooperative Societies, Dairy Farmers, Dairy Development Department and Milma.

Interactive Scheme management System with Self Registration and Application Submission by farmers, Criteria based Selection list Generation, Interactive workflow, Proceedings generation and Disbursement of subsidy to the farmer's bank account.

Automation of Dairy Cooperative Societies managing Milk Transactions, Inventory, Cooperative Accounting and HR. Integration of Milk Analyzers, Weighing Machines and Display Devices to ensure transparency in Milk Quality Calculation.

Digital India Awards 2022 - Won Silver Icon Award under Digital Initiatives at Grassroots Level

2019 Onwards

# KSHEERASREE

DEPARTMENT OF DAIRY DEVELOPMENT

[Ksheerasree.kerala.gov.in](http://Ksheerasree.kerala.gov.in)

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Self Registration & Unique Smart ID for farmers
- ✓ Declaration of Land, Bank A/c, Livestock and Fodder details
- ✓ Scheme Management, Target definition & Revamping
- ✓ Automated Eligibility, Priority list Generation and Workflow
- ✓ Meeting Management
- ✓ Grievance Redressal, HR and Salary Disbursement of society
- ✓ ePayment and Bill Disbursement through Treasury
- ✓ DSC, SMS, Payment gateway(other than Treasury), eSign
- ✓ RELIS and PDS for Land verification and Income proof
- ✓ Automated Milk Procurement & Sales
- ✓ Asset Management and Stock Verification
- ✓ H/w Integration of Milk Analyzers, Weighing Machines and Display
- ✓ Inventory Purchase, Sales, Purchase Return and Sales Return
- ✓ Cooperate Accounting with Double entry system.
- ✓ Auditing of Scheme Execution and Society Accounting
- ✓ Financial year Initialization for Stock, Cash and Assets



2019 Onwards

# KSHEERASREE

DEPARTMENT OF DAIRY DEVELOPMENT

[Ksheerasree.kerala.gov.in](http://Ksheerasree.kerala.gov.in)

## STATISTICS

Applications  
Submitted:  
**2.6 Lacs**

Applications  
processed:  
**2.1 Lacs**

Direct Benefit  
Transfer:  
**46.2 Cr**

ePayment  
(C2G):  
**39Cr**

Societies  
Registered:  
**3696**

Bills  
Submitted:  
**5613**

Farmer  
Registration:  
**2.6 Lacs**

Users  
Onboarded:  
**4.6 Lakhs**



# EDUCATION

SECTOR



# iExaMS- HSE / VHSE

EDUCATION DEPARTMENT

<https://www.dhsems.kerala.gov.in/>

i'ExaMS concerns with Higher Secondary and Vocational Higher Secondary Examinations activities from candidate registration to result processing and publishing. iExaMS is an Open Source web based application automating the work flows of major public examinations Higher Secondary, Vocational Higher Secondary and Higher Secondary Equivalency Examinations conducted by General Education Department, Government of Kerala.

## MAIN FEATURES

- ✓ Pre-Exam, In-Exam and Post Examination Management Systems
- ✓ Evolving Portal for Vocational Higher Secondary and NSQF Examinations.



# SCHOLARSHIP MANAGEMENT SYSTEM

EDUCATION DEPARTMENT

<https://www.dcescholarship.kerala.gov.in/>

Online Scholarship Management System is for the management of Scholarships given to students studying from 11th standard to till Ph.D. in various Higher Secondary Schools and colleges in the State of Kerala. The scholarships are disbursed by Directorate of Collegiate Education (DCE), Directorate of Minority Welfare (DMW) and Kerala State Higher Education Council (KSHEC).

This is a fully online system for Scholarship dissemination by the departments starting for announcing of scholarship to crediting the scholarship amount to students bank account.



# SCHOLARSHIP MANAGEMENT SYSTEM

EDUCATION DEPARTMENT

<https://www.dcescholarship.kerala.gov.in/>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Announcement of Scholarships through website
- ✓ On-line Registration of scholarships
- ✓ On-line verification & approval by institutions
- ✓ On-line verification by the department (Optional)
- ✓ On-line processing of applications
- ✓ Generation of Provisional list and selection list
- ✓ Electronic transfer of funds to students
- ✓ On-line renewal of Scholarships awarded for previous years
- ✓ Management of all Scholarships by Departments
- ✓ Status of the application tracking by students
- ✓ Online submission of Suggestions and Complaints by students and institutions
- ✓ Auto mail / SMS to students and institutions



# hsCAP

EDUCATION DEPARTMENT

<https://hscap.kerala.gov.in/>

Centralized Seat Allotment Process for higher secondary courses: The system is for the admission to the Plus One courses in Kerala higher secondary schools. Students can apply on-line for participating in the admission process with any number of school-course choices.

## MAIN FEATURES

- Single Application form for applying to any schools
- Any number of school-course combinations can be given
- Application can be submitted in any near by school
- Trial Allotments to help the students.
- Last rank details of the previous year to know the chances of getting the allotment in any school
- All the parameters used for the ranking and the calculations used for the preparation of rank is shown to the candidate along with the result of allotment



# CAPnic

EDUCATION DEPARTMENT

<https://hscap.kerala.gov.in/>

CAPnic is a Centralized Seat Allotment Process for the Professional Courses in the State. This project is of the single window admission process for the professional courses. Candidates access their data by using their roll number, application number, key number and password. The choices of the candidates are updated in the database that is used for the allotment/re-allotment process. The allotment/re-allotment list is published, and the colleges are provided with the list of allotted candidates. The list of eligible candidates to be admitted is available only after payment of the prescribed fees.

## MAIN FEATURES

- ✓ On-line registration for entrance examination
- ✓ Application Scrutiny.
- ✓ Hall ticket download
- ✓ Evaluation of OMR Sheets
- ✓ Collection of Qualifying exam marks
- ✓ Rank List preparation
- ✓ On-line option registration
- ✓ Trial Allotment & Publish result
- ✓ Allotment and publish result
- ✓ Allotment Memo
- ✓ Payment of Fees
- ✓ Joining processing
- ✓ Non-Joining details collection
- ✓ Option modifications
- ✓ Re-allotments
- ✓ Settlement of accounts

# K-DAT KERALA DIFFERENTIAL APTITUDE TEST

EDUCATION DEPARTMENT

Kerala Differential Aptitude Test conducted by the Career and adolescence cell of Kerala State higher Secondary department. This is to find the aptitude of the students those who passed the 10th level examination. This is aimed at conducting the aptitude test for the students those who are yet to join the higher secondary classes. This is a class room test conducted by the supervision of the career guide. The result of the test will be bar charts which help the counsellor to prepare the final report for the student

## MAIN FEATURES

- Prepare Test Schedule by career guides
- Apply on-line for test and select the time schedule by students.
- Off-line registration of the students for test by the career guide.
- Appearing for the class room test in the scheduled date and time
- Break after each section of the test
- Result of Test as bar chart
- Counselling by the counsellor based on the result of the test and prepares the final report







# TRANSPORT SECTOR

# VAHAN & SARATHI

TRANSPORT DEPARTMENT



# ECHALLAN

TRANSPORT DEPARTMENT

**01** Automatic calculation of penalty amount, based on challan category

**02** Geo-tagging of Challan spot

**03** Multiple challaning modes - PoS, CCTV (RLVD, OSVD, etc.), Laser Speed Gun, Violation Over Camera App, etc.

**04** Back-end data fetch from Vahan/Sarathi, ensuring efficient and error free operations

**05** On-spot Court/ Virtual referral, as required

**06** Integrated with ITMS/Smart Cities

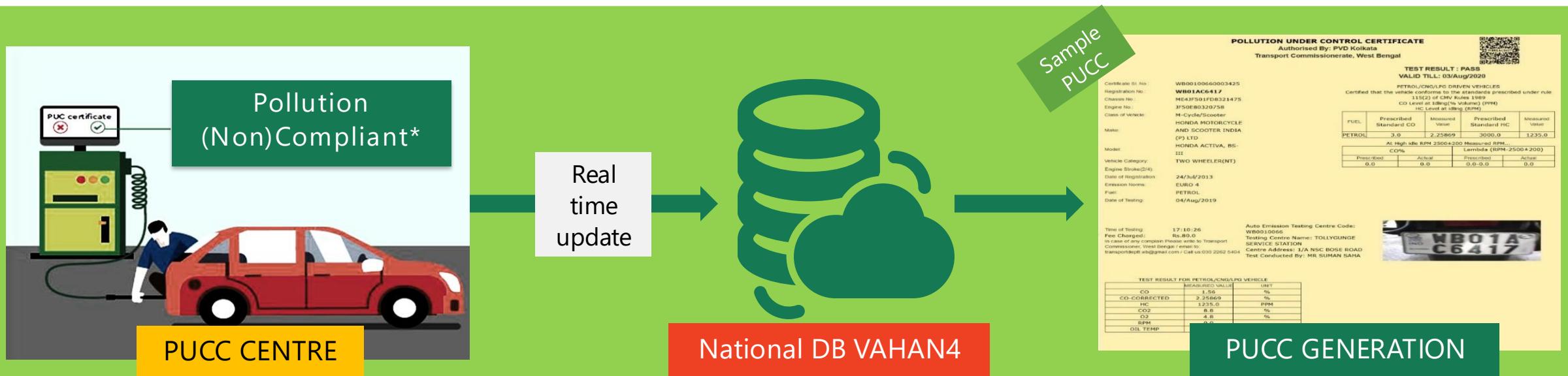
# POLLUTION UNDER CONTROL CERTIFICATE

TRANSPORT DEPARTMENT

Centralized application for vehicular emission testing

Standardized testing and certification process

Ensures compliance, better data consistency



7.55 Crore + 28 Manufacturers, PUC Issued 61 Device Models

PUC Centres

Kerala State On-boarded

\*Based on smoke parameter (captured through API provided by the manufacturer), vehicle number plate (through Webcam). PUC is issued, if measured pollution emission value is as per norms.

# mParivahan: MOBILE APP FOR CITIZENS



TRANSPORT DEPARTMENT

Available on Google Play & Apple Store

Among the most downloaded and highest rated Government apps

Vehicle and License related Information & Online Services

Real time details for Insurance/PUCC validity, pending challan, etc.

## NOTABLE FEATURES

01

Virtual DL/RC creation & storage in mobile - no need to carry for physical documents

02

Location based Emergency Services - Calling Ambulance, Notifying Contacts

03

Stolen/Blacklisted Vehicle Status - used by citizens, Banks, Insurance, Enforcement Agencies

04

Time bound sharing of RC with others - with person driving the vehicle

05

Verifiable QR code for DL, RC - offline verification of any encrypted DL/RC

06

RTO/Traffic Office/PUCC Location Guide on Map

# iRAD (INTEGRATED ROAD ACCIDENT DATABASE)

TRANSPORT DEPARTMENT

Developed under the guidance of MoRTH s to work in the direction of enhancing road safety.

Facilitates a Centralized Accident Database for hosting all the accident data, updated/ accessed through customized interfaces for the various actors/ stakeholders

## Data Sources

Police Department, Health Department, Transport Department, Highways/ NHA, Citizen

## Data Consumers

MoRTH, Police Department, Transport Department, Health Department, Highways, Insurance



iRAD FIELD APP



Work Flow Login Credential based access for State/District/Police Station and Police Officers, as per CCTNS/ CIPRUS



Capturing of GPS Location of accident site



SMS Alert to all Stakeholders



Hosting of WEB Application in Government Data Centre



Compliance of Web Security Guidelines of Govt.



Adoption of Open Source RDBMS for storing Data



Integration of iRAD web & mobile apps with external systems like CCTNS, Vahan, Sarathi, etc

~71,500 Registered Accidents  
(in Field App: 15<sup>th</sup> Feb – 12<sup>th</sup> Jul'21)

1<sup>st</sup> Phase: 6 Pilot States (implemented)  
2<sup>nd</sup> Phase: 19 States (initiated)

4,530 Trainings,  
50,000 Participants (by Jun'21)



# AGRICULTURE

SECTOR

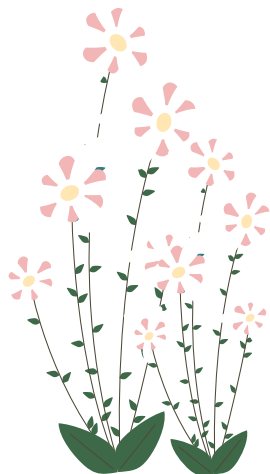


# AGRICULTURE INFORMATION MANAGEMENT SYSTEM (AIMS)

INDUSTRIES DEPARTMENT

AIMS provide a single window facility for farmers to register themselves and submit application for availing various services from Agriculture Department. Farmer can declare land and crops being cultivated in the portal and apply for availing benefits under various services.

Services such as insure crops and avail insurance benefit, assistance for crop loss due to natural calamity, Royalty to owners of cultivable paddy land, Kerala Farm Fresh Fruits and Vegetables – Base price etc. are on-boarded under AIMS.





# AGRICULTURE INFORMATION MANAGEMENT SYSTEM (AIMS)

INDUSTRIES DEPARTMENT



## MAIN FEATURES

- ✓ Farmer Registration, Declaration of Land / Cultivation Details
- ✓ Online application Submission
- ✓ ePayment
- ✓ Application Verification by officials
- ✓ Filing of Field Inspection Report
- ✓ Verification and Application Approval
- ✓ Verification and Financial Sanction
- ✓ Automated Fund Request
- ✓ Virtual Fund Allotment
- ✓ Submission of Sanctioned Claim
- ✓ Proceeding Generation
- ✓ Verification and Approval of Proceeding
- ✓ Authorize Payment by Director of Agriculture.
- ✓ Digitally signed eBill Submission to Treasury using API by DDO
- ✓ Bill Status Updation
- ✓ Resubmission of Corrected Beneficiary data to Treasury





# ELECTIONS

# KERALA STATE ELECTION COMMISSION

ELECTION

<https://sec.kerala.gov.in>

## Janahitam Portal

End to end system for Kerala State Election Commission which covers

- Electoral Roll Management System,**
- Election Management System,**
- Election Result System (TREND),**
- Expenditure management,**
- Vacancy notification system**

## **E-Drop :**

Posting of polling officials through randomization

## **Poll manager**

Mobile app and portal for tracking the various stages of polling process, communication plan, hourly voter turnout

# Election department(CEO)

ELECTION

**ORDER** : Posting of polling officers through randomization process

**Poll manager** : Mobile app and portal for tracking the various stages of polling process, communication plan, hourly voter turnout



# HEALTH

SECTOR



# LAB DIAGNOSIS MANAGEMENT SYSTEM

HEALTH & FAMILY WELFARE DEPARTMENT

<https://labsys.health.kerala.gov.in>



LDMS is for the State to keep track of the different type of tests conducted on patients for different diseases by various government and private labs identified by the Health Department including the hospitalization details of the patients.



The portal will enable the government to get timely information about the number of tests conducted, the total number of affected persons, total number of persons hospitalized, the affected region and take effective measures to contain it.

## MAIN FEATURES

- ❖ Patient Details
- ❖ Sample Details
- ❖ Result Details
- ❖ API to ICMR
- ❖ API to Jagratha Portal
- ❖ SMS to Patients
- ❖ Lab Test Report
- ❖ Public Test Report
- ❖ Summary Reports
- ❖ MIS Reports



# KERALA CLINICAL ESTABLISHMENT ACT PORTAL

HEALTH & FAMILY WELFARE DEPARTMENT

<https://portal.clinicalestablishments.kerala.gov.in/>

The Kerala Clinical Establishments (Registration and Regulation) Act 2018, provides for registration and regulation of clinical establishments from all recognised systems of Medicine. i.e. Modern Medicine, Ayurveda, Naturopathy, Homoeopathy, Siddha and Unani in the public and private sectors.

## MAIN FEATURES

- ❖ Access to Public & Establishments
- ❖ Department Web Portal
- ❖ Establishment Registration, Approval & Rejection
- ❖ Cancellation
- ❖ Issue of Certificates
- ❖ Integration with eTreasury
- ❖ MIS Reports

# eHospital@NIC

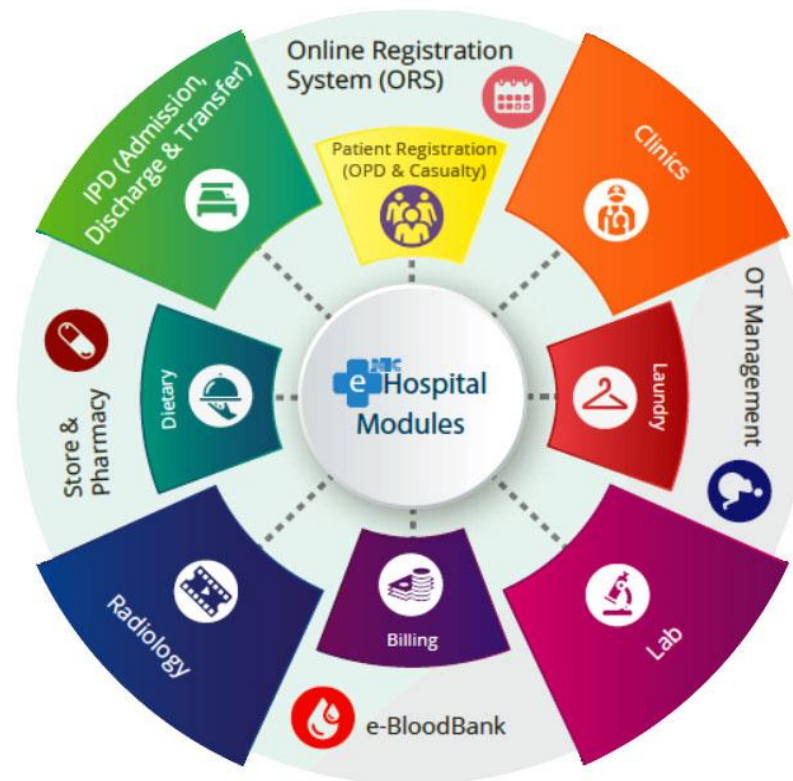
HEALTH & FAMILY WELFARE DEPARTMENT

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

e-Hospital@NIC is an open source health information management system (HMIS) which is configurable and easily customizable with multi-tenancy support.

It is designed to deploy in cloud infrastructure to manage multiple hospitals seamlessly.

It has adopted Meta Data and Data Standards for Health Domain published by Ministry of Health & Family Welfare. HL7 Development Framework (HDF) compliant to support seamless interoperability among health care systems and medical devices.







# FISHERIES

SECTOR



2011 Onwards

# REALCRAFT

## Portal for Registration And Licensing of Fishing Craft

FISHERIES DEPARTMENT

<https://fishcraft.nic.in>

Web enabled workflow based online application system for issuing Registration Certificate (RC) Under MS Act (Merchant Shipping) and Fishing License Certificate (LC) to fishing vessels operating along the Indian Coast under MFR (Marine Fisheries Regulation) Act.

Application also includes other services like Transfer of Ownership or Registry, Alteration of Fishing Vessels, Registry of Mortgage, Impounding Fishing Vessels and Issuing Special Permits.

Currently in use by 9 Coastal States and 4 UTs.

Database is shared with various stakeholders including National Security Agencies and State Governments to facilitate various support services including management of beneficiary schemes.

CSI Nihilent e-Governance Awards – Won “Award of Excellence” in 2014-15.

C-Change Awards - Won Technology Champion “Best eGovernance Project” in 2017.

E-India Award – “Best eGovernance Project” in 2011 and 2014.



2011 Onwards

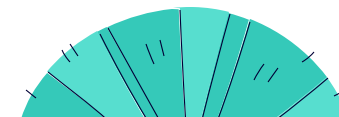
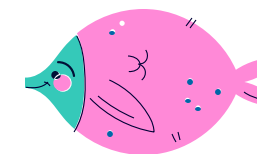
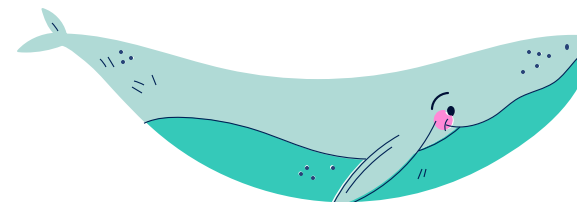
# REALCRAFT Portal for Registration And Licensing of Fishing Craft

FISHERIES DEPARTMENT

<https://fishcraft.nic.in/>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Workflow based Web Application.
- ✓ Reports and Dashboards available for Department and Public users.
- ✓ Physical Vessel survey module added.
- ✓ Integrated with SAGARA, FIMS, SELF and other Security agencies like Coast Guard, Marine Police and IMAC for monitoring Vessels.
- ✓ Public login available for Vessel owners.
- ✓ SMS gateway enabled for OTP and notification of application status.
- ✓ Digital payment integrated for online services.
- ✓ Return for correction workflow facilitated for online services.



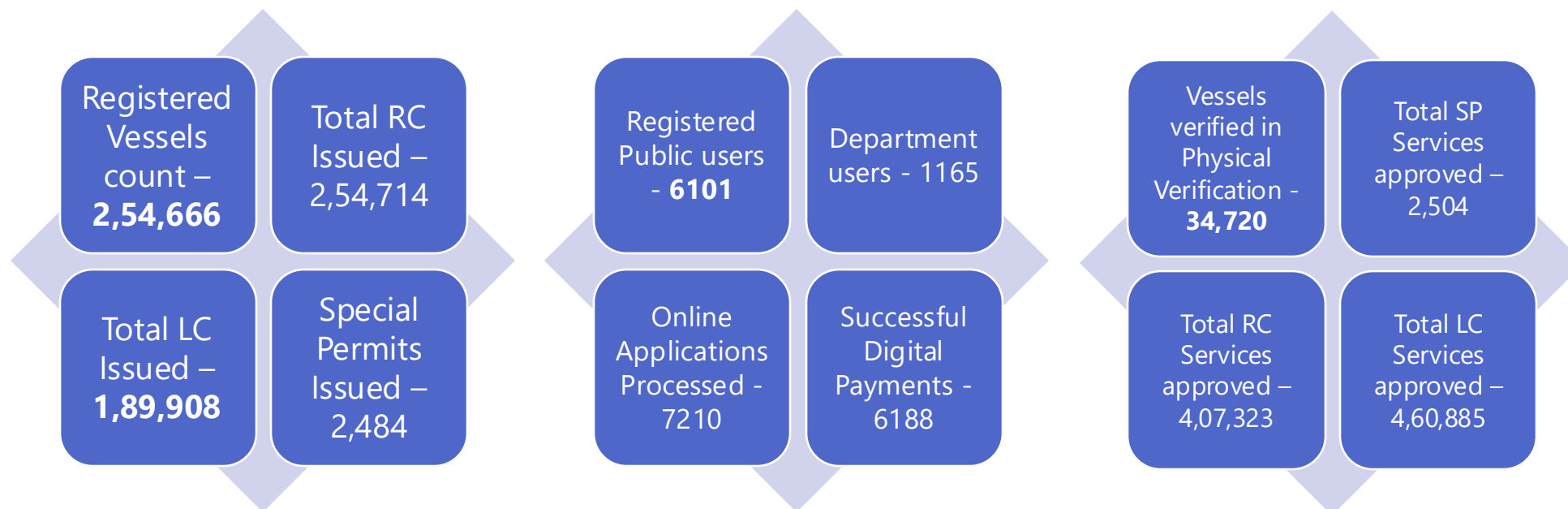
2011 Onwards

# REALCRAFT Portal for Registration And Licensing of Fishing Craft

FISHERIES DEPARTMENT

<https://fishcraft.nic.in/>

## STATISTICS



2019 Onwards

# FIMS

## Fisheries Information Management System

Fisheries Department

<https://fims.kerala.gov.in>

FIMS is a web enabled work flow based system for monitoring fishermen welfare schemes and transfer the contribution / benefit to the fishermen bank account using eDBT.

Introduced to reform Government delivery system by re-engineering the existing process in welfare schemes by providing infrastructure and financial assistance for simpler and faster flow of information/funds and to ensure accurate targeting of the beneficiaries, de-duplication and reduction of fraud.

Won second prize for Fisheries Information Management System (FIMS) under e-Citizen Service Delivery category of Kerala State e-Governance Awards 2019-20 and 2020-21

2019 Onwards

# FIMS

## Fisheries Information Management System

Fisheries Department

<https://fims.kerala.gov.in>

### CORE FEATURES AND FUNCTIONALITIES

- ✓ Online Registration
- ✓ Track Application
- ✓ Pension Scheme
- ✓ Punargaeham facility
- ✓ Savings Cum Relief (SCRS)
- ✓ Group Insurance Scheme
- ✓ Marriage Assistance
- ✓ Death Claim Assistance
- ✓ Assistance for fatal diseases
- Registration, Renewal and License for Inland Sector Services
- ✓ Filtration Field
- ✓ Hatcheries
- ✓ Fixed Gear
- ✓ Fishing Net
- ✓ Processing Unit
- ✓ Seed Farm
- ✓ Vessel ,Fishing Vessel
- ✓ Aquaculture Land

2019 Onwards

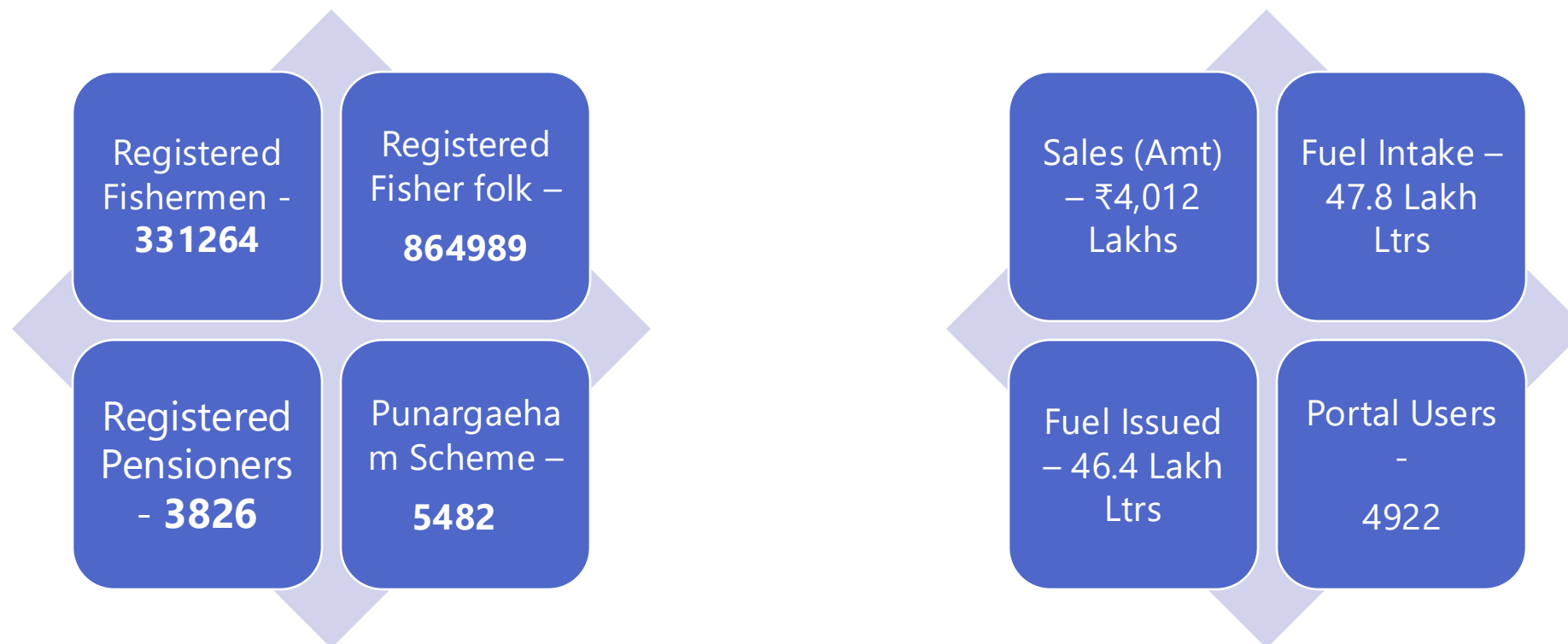
# FIMS

## Fisheries Information Management System

Fisheries Department

<https://fims.kerala.gov.in>

### STATISTICS –September, 2023





एन आई सी  
NIC



एन आई सी  
NIC

# INDUSTRIES

## SECTOR



2019 Onwards

# Kerala Single Window Interface For Fast & Transparent Clearance (KSWIFT)



KSIDC

<https://kswift.kerala.gov.in/>

Kerala Single Window Interface for Fast & Transparent Clearance (K-SWIFT) is a one-stop portal established for enabling EoDB for new and existing investors in Kerala state. It ensures time-bound clearances for entrepreneurs to establish industries.

All physical touch-points between applicant and Departments/Agencies from the time of application till the final decision has been eliminated.

Received CSI eGovernance Award of Appreciation, 2019 and Chief Minister's award for administrative innovations in public policy, 2020.

K-SWIFT helped improve Kerala's ranking to 15th position from 28th as per S-BRAP, 2020.



**K-SWIFT**

Single Window Interface for Fast & Transparent Clearance



2019 Onwards

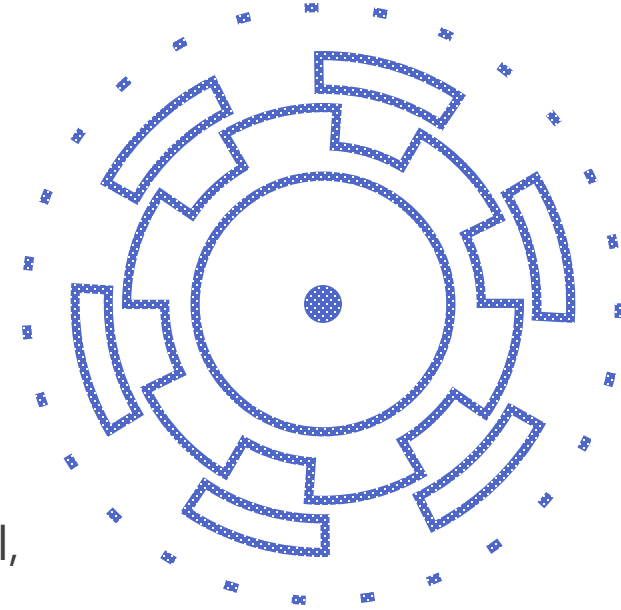
# Kerala Single Window Interface For Fast & Transparent Clearance (KSWIFT)



INDUSTRIES DEPARTMENT

## MAIN FEATURES

- ✓ Common Application form (CAF)
- ✓ Automated Fees calculation for each Service.
- ✓ Multiple Payment gateway integration.
- ✓ Deemed approval.
- ✓ Integration for departments not having own ICT solution.
- ✓ Self certification for MSME.
- ✓ Inter department communication.
- ✓ JanParichay Integrated.
- ✓ Real time notifications via e-mail, SMS.
- ✓ Graphical reports and MIS for management.
- ✓ DSC Integrated.
- ✓ Sandes SMS Gateway Integrated.



2019 Onwards

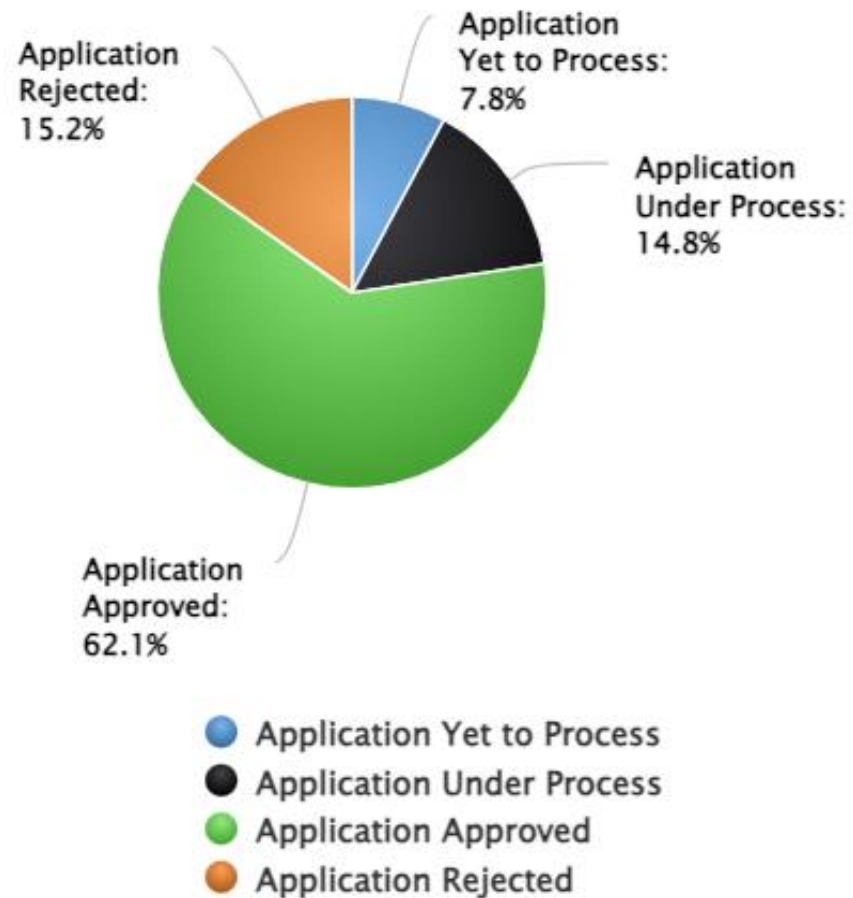
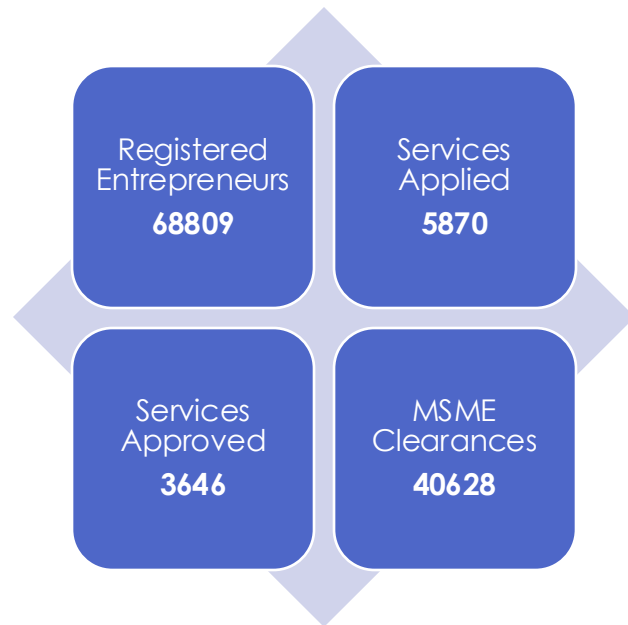
# Kerala Single Window Interface For Fast & Transparent Clearance (KSWIFT)



INDUSTRIES DEPARTMENT

## Statistics as on 23-09-2023

14 departments and 35 services integrated



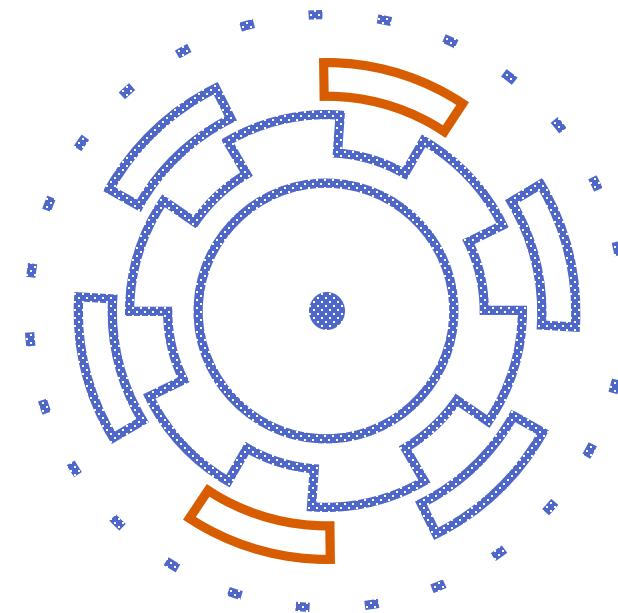
# KERALA ONLINE MINING PERMIT AWARDING SERVICES (KOMPAS)

INDUSTRIES DEPARTMENT

**KOMPAS is the e-Governance initiative of the department for bringing efficiency and transparency to mineral administration in the State. KOMPAS ensures citizen centric, cost effective, and quality electronic service delivery pertaining to mines and minerals in the State.**

## MAIN FEATURES

- ❖ Online application for Mineral Movement Permit
- ❖ ePayment
- ❖ Online tracking applications
- ❖ Online generation of ePass
- ❖ Online filing of returns.
- ❖ Dashboard for stakeholders



```
mirror object to mirror_ob.  
mirror_mod.mirror_object  
operation == "MIRROR_X":  
mirror_mod.use_x = True  
mirror_mod.use_y = False  
mirror_mod.use_z = False  
operation == "MIRROR_Y":  
mirror_mod.use_x = False  
mirror_mod.use_y = True  
mirror_mod.use_z = False  
operation == "MIRROR_Z":  
mirror_mod.use_x = False  
mirror_mod.use_y = False  
mirror_mod.use_z = True  
  
selection at the end -add  
mirror_ob.select= 1  
modifier_ob.select=1  
context.scene.objects.active  
("Selected" + str(modifier_ob.  
mirror_ob.select = 0  
= bpy.context.selected_object  
data.objects[one.name].select  
  
print("please select exactly  
  
-- OPERATOR CLASSES ----  
  
types.Operator):  
X mirror to the selected  
object.mirror_mirror_x"  
mirror X"
```



# SOFTWARE TOOLS/UTILITIES

2018 Onwards  
**SANDES**

**An Initiative under Digital India Programme for AatmaNirbhar Bharat**

MESSAGING

<https://sandes.gov.in>

Sandes is an open source based indigenous instant messaging platform developed by NIC, Ministry of Electronics and Information Technology, Government of India to facilitate instant messaging communication in Government organisations.

**Indigenous solution**, hosted at Govt. infra

Mobile based **Self-Registration**

**End to End Encrypted** Communication

Chat, A/V call, File & Media sharing

Isolation of verified and public users

Originator **Traceability**

Configurable security options

Linked to Aadhaar, Mail, DigiLocker, e-Office

Broadcast and Notification Facility



## 2018 Onwards

# SANDES

## An Initiative under Digital India Programme for AatmaNirbhar Bharat

MESSAGING

<https://sandesh.gov.in>

- Recently used by Delhi Police in **G20**
- **29 lakhs** registered users (Govt. & public) have exchanged **6.28 Cr** messages
- **240+** Organisations including Delhi Police, AIIMS, **President Secretariat**, Dept. of Post, BSF, SSB, CRPF, ITBP, NSG, Min. of Defence, Indian Navy, **High Courts**, Min. of External Affairs, Survey Of India etc.
- **9.8 Cr** messages dispatched through by **290+ e-gov** applications
- Integration with **Google Play Integrity API**
- Security clearance by **CIRA** (DRDO), **CDAC** and **NTRO**



2013 Onwards

## eOffice

OFFICE AUTOMATION

<https://eoffice.kerala.gov.in>

e-Office File Management system (e-File) is a Digital Workplace Solution to automate File Management in Government offices. The e-Office project in Kerala envisions modernizing government offices and getting rid of manual paper file processing and replacing it with a digital workflow system.

The project implementation started in 2013 in Kerala. e-Office rolled out in all 55 departments of Secretariat, District Collectorates, Revenue Divisional Offices, Taluk Offices, Village Offices, Directorates and other autonomous institutions. Now the rollout in Public Sector Undertakings and Universities are in progress.

As an extra step to improve the office efficiency, NIC Kerala has developed and rolled out various Periphery applications integrating to eOffice. The major such applications include eOffice citizen portal, Court Case Information System, eTapal, RTI Portal, Employee Grievance Management Portal and Additional reports for improved performance evaluation.



2013 Onwards

# eOffice

OFFICE AUTOMATION

<https://eoffice.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ❖ Electronic File Management System
- ❖ Online Intra/ Inter Office dispatch
- ❖ Electronic receipt & dispatch to citizens
- ❖ Analytics and performance evaluation modules
- ❖ Periphery Apps augmenting eOffice capabilities

## PERIPHERY APPLICATIONS INTEGRATED TO EOFFICE

- ❖ eOffice Dashboard
- ❖ Court Case Information System
- ❖ RTI Portal
- ❖ Hall Management System
- ❖ Visitor Management System
- ❖ eTapal
- ❖ Employee Grievance Portal
- ❖ Monthly Business Statement
- ❖ Personal Register & PR Inspection

2013 Onwards

# eOffice

OFFICE AUTOMATION

<https://eoffice.kerala.gov.in>

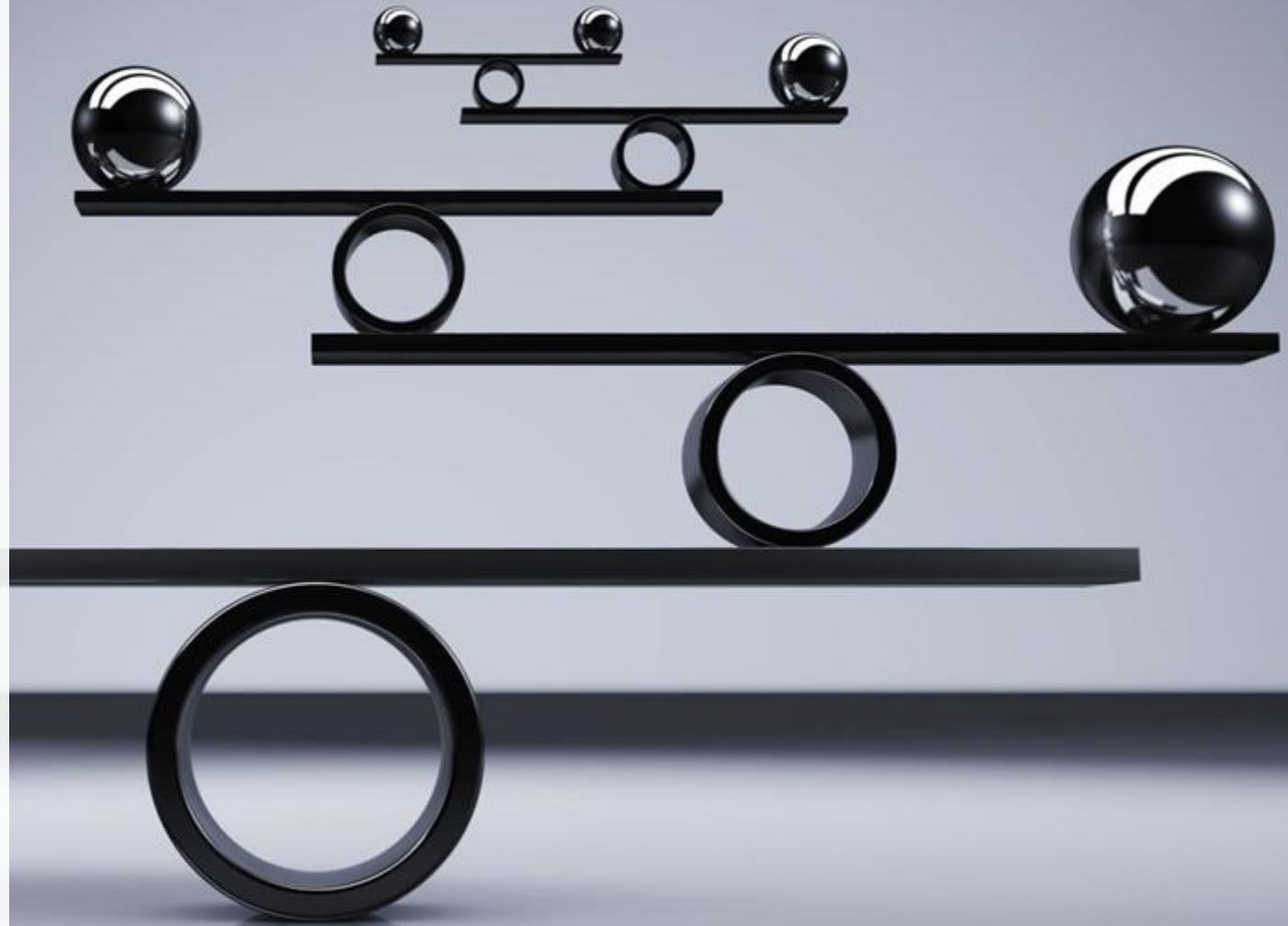
## PROJECT STATISTICS

eOffice	June 2023	July 2023	August 2023	Cumulative Since Inception
Number of eFiles created	<b>3,51,736</b>	<b>1,93,945</b>	<b>4,65,362</b>	<b>1,03,07,019</b>
Number of departments enrolled	<b>5</b>	<b>2</b>	<b>2</b>	<b>185</b>
Total Number of users	<b>779</b>	<b>743</b>	<b>1,874</b>	<b>87,001</b>



# HOME & **JUDICIAL**

SECTOR



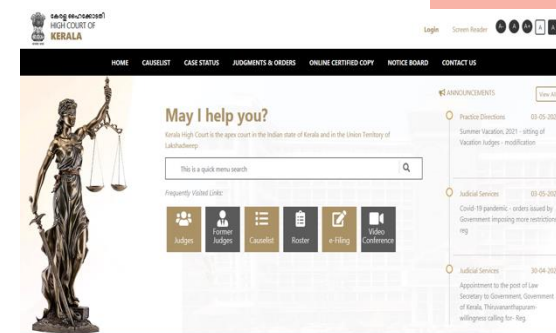
# CASE INFORMATION SYSTEM (CIS) FOR HIGH COURT OF KERALA

REVENUE DEPARTMENT

NIC has successfully implemented Case Information System (CIS) in the High Court to help the Judicial Administration in streamlining its day-to-day activities and to automate the processes to provide transparency of information access to its stake holders. The system cuts short delay in all time critical applications and facilitates Case File Monitoring & automatic allocation to courts, preparation of causelist, preparation of Interim Orders & Judgments, preparation of Decree, Issuance of Certified Copies etc.

## MAIN FEATURES

- ✓ Details of 16 lakhs cases filed in Kerala High Court Since 1994
- ✓ Tracking of Cases through Case Numbers/Party Names/Lower Court Details/Supreme Court Details
- ✓ Automatic Allocation of Cases according to subject/category
- ✓ Online availability of Case Status, Judgments and Causelist
- ✓ Grouping & Bunching of Cases
- ✓ Decree preparation
- ✓ Speedy Issuance of Certified Copies



# RECRUITMENT PORTAL FOR HIGH COURT OF KERALA

REVENUE DEPARTMENT

The High Court of Kerala recruitment portal is exclusively used for the recruitment process. Notification of different recruitments, online filing of application by candidates, downloading of admission tickets, answer keys etc. are provided through this portal. The system provides facility for Setting of eligibility, qualification, reservation and exemption criteria to administrative user. The system gives SMS and email alerts during each stage of online filing and multilingual support in questionnaires / help.

## MAIN FEATURES

- ✓ Single application per post
- ✓ Automatic prompting of next action or work to be completed by the applicant
- ✓ Error trapping
- ✓ Online filing, scrutiny of applications and downloading of admission ticket.
- ✓ SMS and email alerts during each stage of online filing.
- ✓ Multilingual support in questionnaires / help
- ✓ Setting of eligibility/qualification/reservation/exemption criteria for administrative user.
- ✓ Compartmentalized filing of applications



# ECOURTS IN DISTRICT & SUBORDINATE COURTS

REVENUE DEPARTMENT



## KEY FEATURES



Kiosks in Court Complexes



Citizen services on [ecourts.gov.in](http://ecourts.gov.in)



Pendency Dashboards on NJDG

2018 Onwards

# MISAGO-Management Information System for Advocate General Office

LAW DEPARTMENT

<https://misago.kerala.gov.in>

Main Objectives:

To streamline the day-to-day activities of the office of the Advocate General. The system will help the Office of the advocate general to capture various details regarding court cases from the stakeholders (Courts, Govt. Dept/ Offices) through a web based system.

The live information on the cases would be disseminated to all stakeholders through various modes and alert them as and when required. The Govt. departments can provide required documents, facts, affidavit etc electronically to the Advocate General for presenting to the Hon'ble Courts, so that the time and effort can be reduced considerably.

Revision, Judgment Reviews, Appeals, Record Room are also part of the system.

2018 Onwards

# MISAGO-Management Information System for Advocate General Office

LAW DEPARTMENT

<https://misago.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ 8 User roles and role wise Dashboards
- ✓ Full Cycle Processing of Case Record Management
- ✓ CoB, Cause list Integration via API and GP Mapping
- ✓ Automated Document Request Generation
- ✓ Pushing Document Requests to e-Office
- ✓ FIR/OR Fetching from Police/Excise/Forest and Forwarding to High Court
- ✓ For Government Pleader (GP) Notes, Citation and responsive mobile view are provided.
- ✓ Integrated: eMail, SMS, Digital Signature, Bar Codes, Web Services/APIs, Document Templates etc.
- ✓ Connected to Kerala State wide area network (KSWAN) which enabled data sharing and case status view.



2018 Onwards

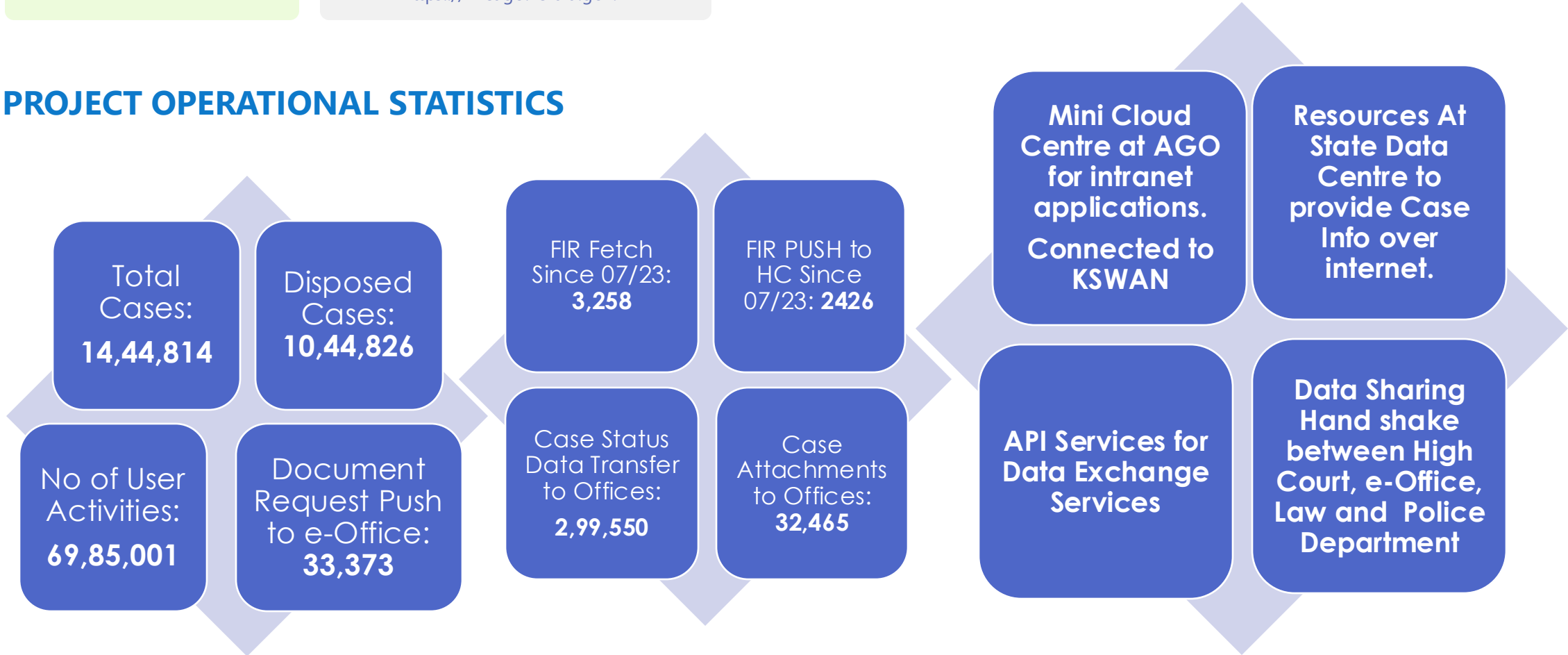


# MISAGO-Management Information System for Advocate General Office

LAW DEPARTMENT

<https://misago.kerala.gov.in>

## PROJECT OPERATIONAL STATISTICS



2020 Onwards

# CCIS- Court Case Information System for Government Department/Offices

LAW DEPARTMENT

<https://misago.kerala.gov.in/GovtCaseMgt>

AGO handles the cases against and for the Government Departments, Kerala State.

By the inter-linked applications, MISAGO opened a window to deliver CCIS to the departments which can....

- ❖ Get the information about their cases and new cases registered.
- ❖ Get the latest of case status with respect to
  - Listing, Proceedings, Orders/ Judgments,
  - Document Requests, Document Filing, Contempt of Court Cases,
  - Personal Directions, Orders with financial implications etc.

A fast method of exchange for requesting and submitting different types of documents between AGO and Departments.

2020 Onwards

# CCIS- Court Case Information System for Government Department/Offices

LAW DEPARTMENT

<https://misago.kerala.gov.in/GovtCaseMgt>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Onboarding by Registration Process for Master User
- ✓ Master User can manage office users
- ✓ Dashboard as per Designation Privilege
- ✓ My Dashboard and Office Dashboard
- ✓ Active Cases, Upcoming Cases, Contempt Cases ...
- ✓ Document Requests Menu
- ✓ Other Request (Copy Application, Revision etc) Entry option

Active Department  
Users:  
**1,705**

No of User Activities:  
**38,996**



# OFFICE AUTOMATION

2021 Onwards

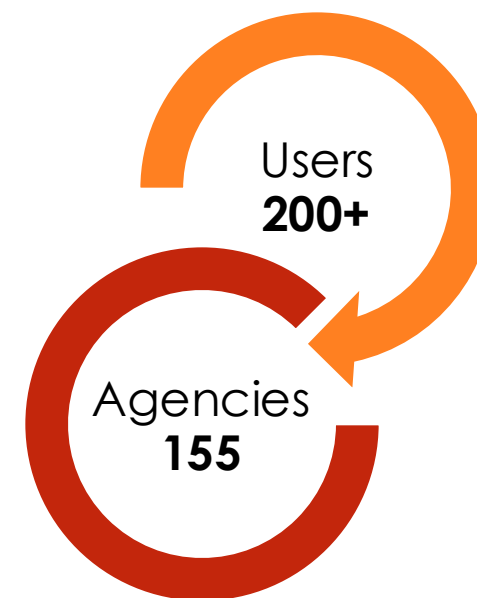
## KERALA-eSamiksha

OFFICE AUTOMATION

<https://esamiksha.kerala.gov.in>

Kerala-eSamiksha is a real time, on-line system for monitoring the follow-up action on the decisions taken during meetings chaired by Chief Secretary and Chief Minister. The follow-up action in respect of each decision can be updated by the concerned Department/Division/Agency as and when the status changes or at least every month. Different users 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.

Kerala-eSamikSha is a customized version of eSamiksha application developed by NIC for Cabinet Secretariat.



2021 Onwards

# KERALA-eSamiksha

OFFICE AUTOMATION

<https://esamiksha.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Electronic Meeting Management System
- ✓ Submission and Monitoring of action points/proposals/targets/issues in Single Window Interface.
- ✓ interactive web based, user friendly dashboard
- ✓ Role based MIS reports for monitoring
- ✓ ePatrachar, a tool to track & speedup the communication among stakeholders
- ✓ Online Directions/Remarks by the Monitoring User



# OTHER PROJECTS

2010 Onwards

# EDISTRICT KERALA

VARIOUS DEPRTEMENTS

<https://edistrict.kerala.gov.in>

eDistrict is a mission mode project under NeGP with a vision to make Government Services accessible to the common man in his locality, through Common Service Centres (CSC) which are easily accessible or through public portal and respective offices.

eDistrict Kerala ensure efficiency, transparency & reliability of such services at affordable costs to realize the basic needs of common man. eDistrict Kerala went 'Go-Live' with 23 certificate services of revenue department in two districts in 2010. Now the project is rolled out in all districts of Kerala with 45 services from different Departments. eDistrict version 2.0 is released on 02-05-2022



2010 Onwards

# EDISTRICT KERALA

VARIOUS DEPARTMENTS

<https://edistrict.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ One Time registration for all services
- ✓ Multiple service delivery channels
- ✓ Bilingual Forms
- ✓ Digital payment
- ✓ DigiLocker linked issued certificates
- ✓ Email, SMS notifications to citizen
- ✓ End –to– End work flow
- ✓ Online verification facility for recipient departments to verify issued documents
- ✓ Digital Signature, QRCode, Online data verification with other departments
- ✓ Dashboards and SLA monitoring

2010 Onwards

# EDISTRICT KERALA

VARIOUS DEPARTMENTS

<https://edistrict.kerala.gov.in>

## COVERAGE AND STATISTICS

No: of services - 45

No:of Citizen users- 2024075

Service delivery channels- Akshaya(CSC), Citizen Portal, Front office

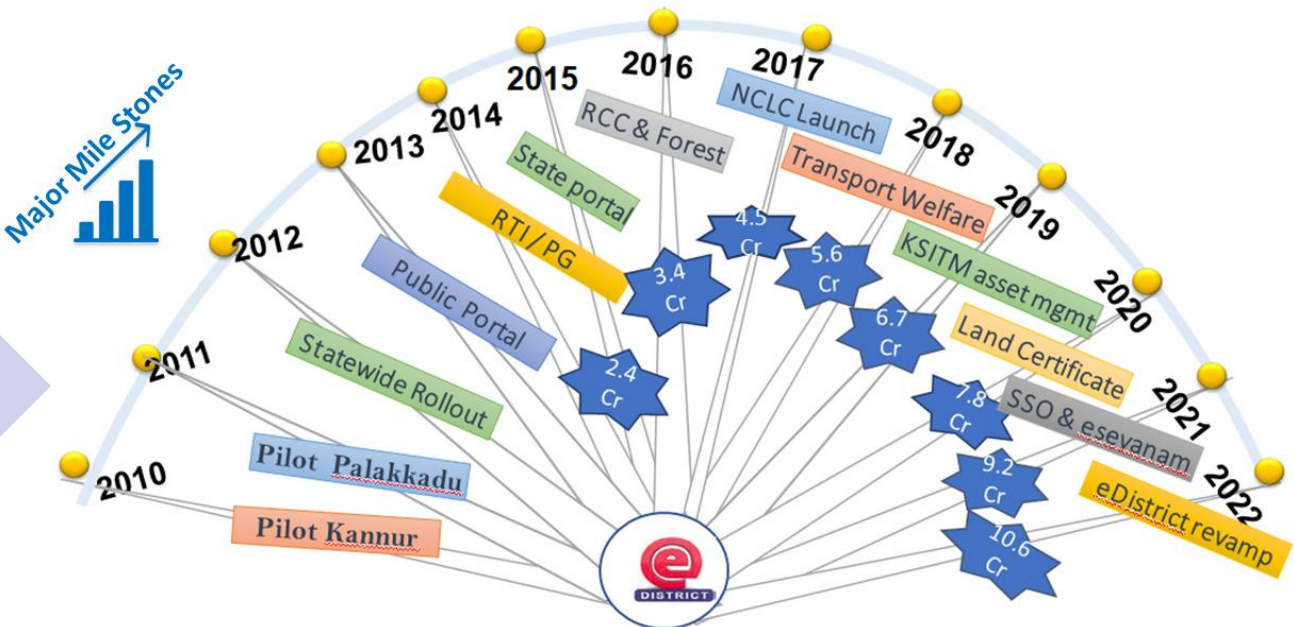
No: of Offices Covered – 9000+

Total Transactions: 11.54+ Crore

Documents pushed to Digilocker-25 Lakhs +

No: Akshaya- 3349

No:of official users-25,000+ 11.54+ Crore



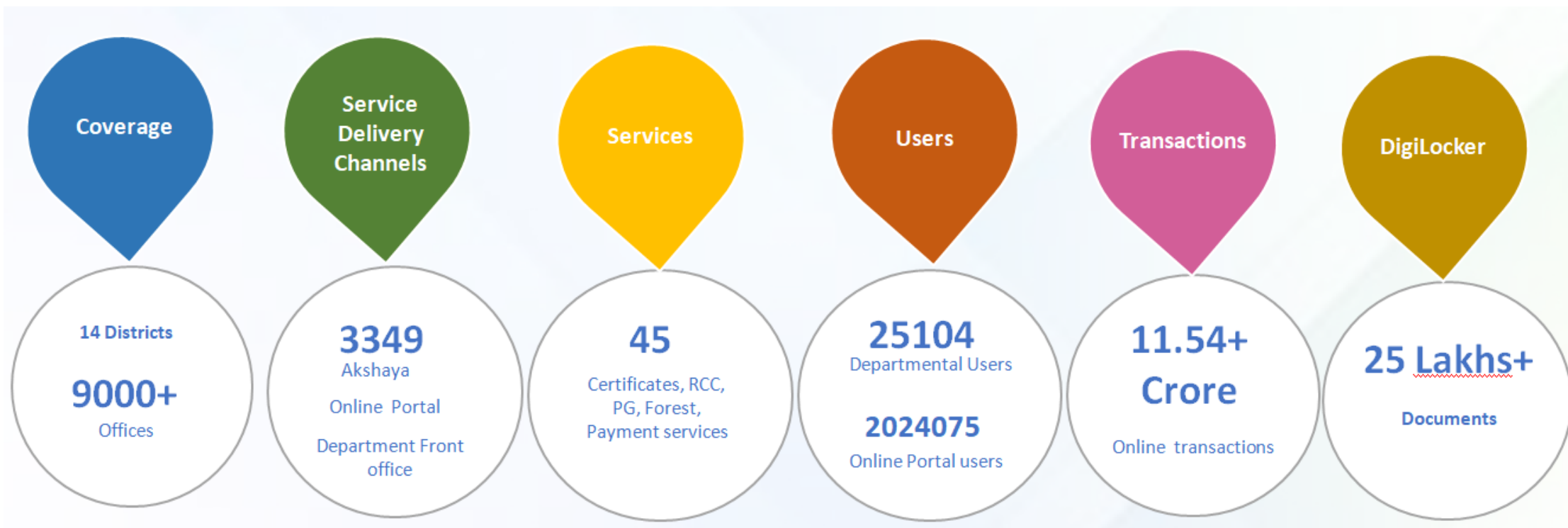
2010 Onwards

# EDISTRICT KERALA

VARIOUS DEPARTMENTS

<https://edistrict.kerala.gov.in>

## COVERAGE AND STATISTICS



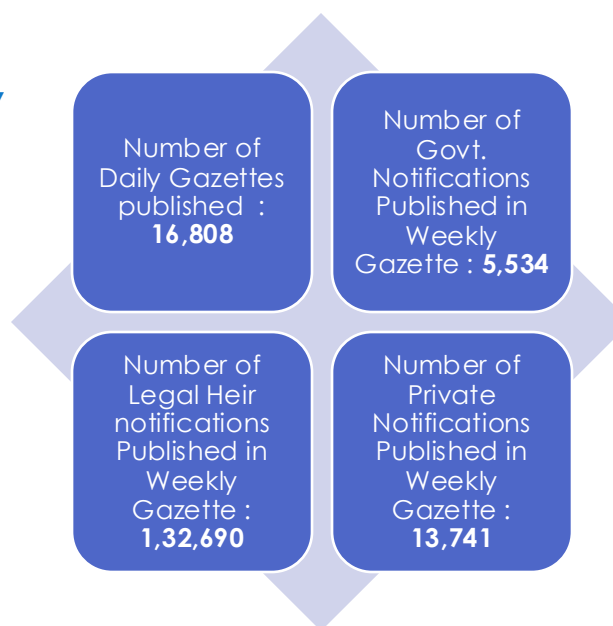
## 2019 Onwards. **COMPOSE**

PRINTING DEPARTMENT

<https://compose.kerala.gov.in>

**COMPOSE** (Comprehensive Operations and Management of Presses Over Secure Environment) is an enterprise-wide total IT solution for the department of Printing which covers all printing presses across the State, as well as all State government departments and agencies involved in publishing of Gazettes in Kerala.

### PROJECT OPERATIONAL SUMMARY



2019 Onwards.

# COMPOSE

PRINTING DEPARTMENT

<https://compose.kerala.gov.in>

## FEATURES AND FUNCTIONALITIES

- ✓ Online Submission of Gazette Notification by Government Departments and Citizen
- ✓ Digital Signature enabled Notification matter & Gazette Approval
- ✓ Online Payment using e-treasury
- ✓ QR code-based authenticity check
- ✓ eOffice Integration
- ✓ Validation of Duplicate Notification
- ✓ Template for Auto generation
- ✓ Publishing of Daily Gazettes in four Languages
- ✓ Status search for Public
- ✓ Eliminating / minimizing hard copies.
- ✓ Photo in Gazette Notification
- ✓ Green e-Governance

2019 Onwards

# BIO-MIS

## Biodiversity Management Information System

National Biodiversity  
Authority

<https://biomis.nic.in>

**BIOMIS** is a unified web based, interoperable, collaborative & open source framework application developed under the aegis of National Biodiversity Authority [NBA] which facilitates LSG/ citizen to collect (decentralized), disseminate biodiversity data and generate People's Biodiversity Register [PBR] electronically.

Aims to make the biodiversity data accessible and available to anyone, anytime, anywhere respecting the intellectual property as well national security and ecological sensitivity by creating a unique repository of bio resources data

2019 Onwards

# BIO-MIS

## Biodiversity Management Information System

National Biodiversity  
Authority

<https://biomis.nic.in>

### CORE FEATURES AND FUNCTIONALITIES

- ✓ Workflow based approvals to build 'ePBR'.
- ✓ Geo-tagging of resources.
- ✓ Facility to share ePBR with other agencies working on research and documentation.
- ✓ Provides controlled access to data as specified by NBA.
- ✓ Bi-lingual for each state.
- ✓ Decentralized data capture at source.
- ✓ Configurable / Customizable for any State.
- ✓ Progressive web application for access on different devices.

2019 Onwards

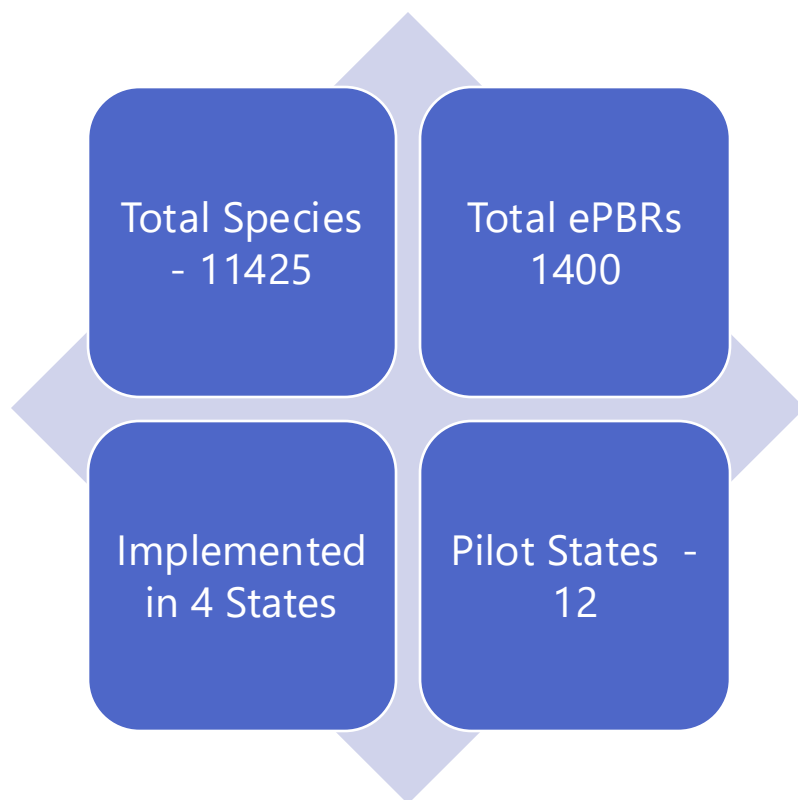
# BIO-MIS

## Biodiversity Management Information System

National Biodiversity  
Authority

<https://biomis.nic.in>

### STATISTICS





2020 Onwards

# LOTIS

## Lottery Information System

FINANCE DEPARTMENT

<https://lotis.kerala.gov.in>

**LOTIS:** An Intranet, workflow based Application for managing the activities of the Lottery Department and a digital tool for Digital Transformation In State Lotteries Department.

**Agent Portal:** An Internet application for lottery agents for making e-Payment for purchase of Lottery Tickets & to claim Prize amounts.

**Printing Press Management:** Security data download & Ticket Printing.

**Draw Venue Management:** Checking Sold & Unsold Ticket.

**Bhagyakeralam Mobile App:** For Citizen & Agent to check prize, genuinity and claim status of tickets.

2020 Onwards.

# LOTIS

## Lottery Information System

FINANCE DEPARTMENT

<https://lotis.kerala.gov.in>

### CORE FEATURES AND FUNCTIONALITIES

- ✓ Unified Web/App framework
- ✓ Decentralized data capturing
- ✓ Digital payment Automated Sale
- ✓ Stock generation & Distribution of tickets
- ✓ Paperless, Cashless and Contactless
- ✓ eDBT for prize winners
- ✓ Digital Signing in all the main reports
- ✓ Workflow based modules
- ✓ Integrated with Agent Portal
- ✓ Seamless integration with Govt Printing press
- ✓ Role based Dashboard & MIS Reports
- ✓ Sandes Integration
- ✓ Integrated with MeriPehchan & JanParichay
- ✓ Treasury Integrated
- ✓ QR Code and bar code integration

2020 Onwards

# LOTIS

## Lottery Information System

FINANCE DEPARTMENT

<https://lotis.kerala.gov.in>

### STATISTICS

Agent  
Registration  
- **32,255**

Registration  
Services -  
85,370

Draws  
Conducted -  
921

Sale  
Transactions  
- 48,18,236

DBT  
Amount -  
₹6,315  
Lakhs

DBT  
Beneficiaries  
- 11,512

Winner  
Prize  
Vouchers -  
56,71,871

Agent Prize  
Voucher -  
56,76,554

Total Prize  
Amount -  
₹1,627  
Crores

Total  
Revenue  
from Sales -  
₹3,050  
Crores

Total E-  
payments -  
2,51,314

Total E-  
Payment  
Amount -  
₹1,921 Lakhs

2014 Onwards

# Case Information System for Kerala Administrative Tribunal (CISKAT)

Kerala Administrative  
Tribunal

<https://keralaadministrativetribunal.gov.in>

A web based information system for digitization of the workflow associated with handling of cases in Kerala Administrative Tribunal. In addition, CISKAT provides citizen oriented services such as case status, intimation regarding hearing dates, Case Diary etc. CISKAT 1.0 and the web portal of the tribunal [www.keralaadministrativetribunal.gov.in](http://www.keralaadministrativetribunal.gov.in) is available in public domain since 2014. The system is hosted at State Data Centre.

CISKAT Version 2.0: As per the request of Kerala Administrative Tribunal, the enhanced version is developed.

2014 Onwards

# Case Information System for Kerala Administrative Tribunal (CISKAT)

Kerala Administrative  
Tribunal

<https://keralaadministrativetribunal.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Electronic filing of cases by advocates and applicants
- ✓ Scrutiny of applications through digital files
- ✓ Automated Cause List generation
- ✓ Dashboards with case status
- ✓ SMS/ e-mail to Advocate, petitioner, opponent
- ✓ Data bank of cases, judgements
- ✓ Certified Copy: Online application and Issuance.
- ✓ e-payment

2023 Onwards

# Athidhi Portal & Athidhi Mobile App

Labour Department, Govt. of  
Kerala

<https://athidhi.lc.kerala.gov.in>

Web Application and Mobile Application for the management of migrant workers/ Athidhi workers ('Guest workers'). The migrant worker/ contractor/ employer can register themselves through the mobile application or portal by giving basic information. Once the login is created, other details such as skill details, family details, job details etc can be updated with supporting documents which will be verified by the department. Department user has a role based login in the system.

## STATISTICS – FROM AUGUST 2023



2023 Onwards

# Athidhi Portal & Athidhi Mobile App

Labour Department, Govt. of  
Kerala

<https://athidhi.lc.kerala.gov.in>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Unique identification number
- ✓ Facility for adding skill set of migrant workers
- ✓ Search for a worker with a particular skill set.
- ✓ Multi lingual facility
- ✓ Centralized Database of guest workers / Employers/ Labour Contractors.
- ✓ Linking with State Government Health insurance schemes
- ✓ Verification of details



2019 Onwards

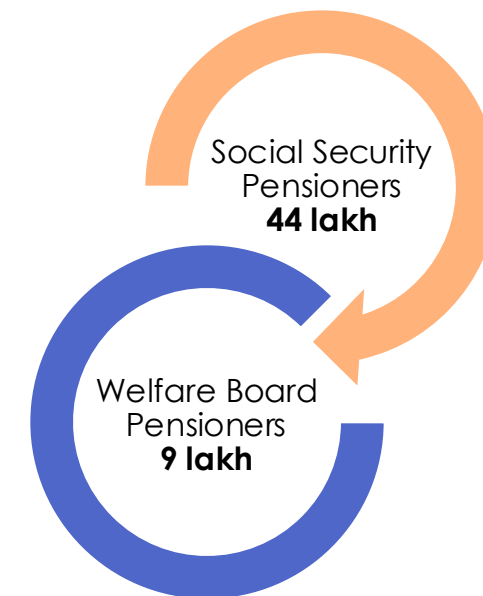
# JEEVANREKHA

VARIOUS DEPARTMENTS

[jeevanrekha,kerala.gov.in/](http://jeevanrekha,kerala.gov.in/)

Jeevanrekha is a biometric authentication system portal developed by NIC Kerala for the mustering of pensioners availing Social Security Pension and Welfare Board Pension in the state of Kerala. Government of Kerala is disbursing pension to citizens under various categories like old age, disabled and widow pension etc. It is mandatory for the pensioner to give the life certificate every year. With the advent of information technology and introduction of Aadhaar it is now possible to authenticate a person with bio authentication.

This system provides facility for the pensioner to do the biometric authentication through the Akshaya Kendras identified by the Government .





2019 Onwards

# JEEVANREKHA

VARIOUS DEPARTMENTS

[jeevanrekha,kerala.gov.in/](http://jeevanrekha,kerala.gov.in/)

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Digital Life Certificate for pensioners
- ✓ Biometric Authentication System
- ✓ Yearly Authentication of pensioners availing Social Security Pension and Welfare Board Pension in the state of Kerala
- ✓ Authentication through Akshaya Kendras
- ✓ Avoids the hurdle of being physically present themselves in front of the disbursing agency
- ✓ Home mustering possible through Akshaya Kendras
- ✓ 53 lakh successful mustering during the period from April 2023 to August 2023



# **CENTRE OF EXCELLENCE & COMPETENCY CENTRES**



# CENTRE OF EXCELLENCE ON MICROSERVICES-KOCHI

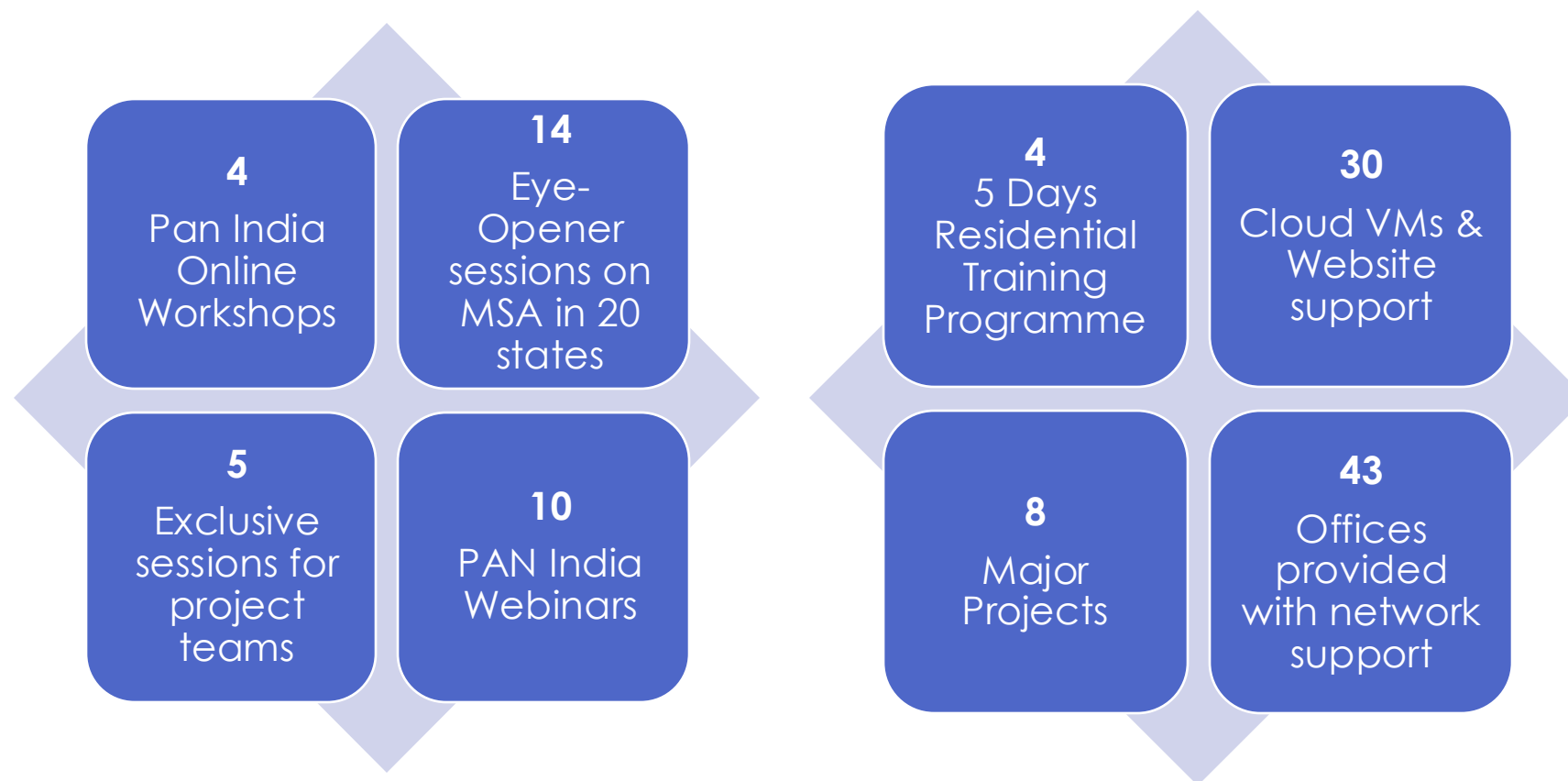
# **CENTRE OF EXCELLENCE ON MICROSERVICES-KOCHI**

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The Center for Microservices and DevOps Excellence is a dedicated initiative aimed at fostering a deep understanding of Microservices Architecture (MSA), DevOps principles, and their components. CEM-Kochi strives to propel the adoption of these modern practices within the National Informatics Centre (NIC) by offering targeted education, consultation, and hands-on guidance. The primary objectives of this center encompass focused study, experimentation, consultancy, and the creation of a robust resource hub for MSA-based projects.

# CENTRE OF EXCELLENCE ON MICROSERVICES-KOCHI

## CEM TRAINING & PROJECTS SUMMARY



# CENTRE OF EXCELLENCE ON MICROSERVICES-KOCHI

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## MAJOR PROJECTS

- ✓ Mining & Geology: KOMPAS(Kerala Online Mining Permit Awarding Services)
- ✓ Nextmile – A joint publication by NIC and MoRTH
- ✓ Advocate General Office-Kerala: MISAGO(Management Information System for AG Office)
- ✓ Kerala Financial Corporation: Court Case Management System
- ✓ Directorate of Ayurveda Medical Education(DAME) : Admissions
- ✓ Sree Sankaracharya University of Sanskrit(SSUS): Financial Accounting System
- ✓ UT of Lakshadweep: Online Skip Ticket Reservation System
- ✓ Online Tourist Booking System(UTL)

2016 Onwards.

# MOBILE APPLICATION COMPETENCE CENTRE, KANNUR

MACC KANNUR

<https://www.nic.in/special-centre-2/>

NIC has seen the technology revolutions and evolutions over time and anticipate in delivering the best of solutions to every problem. Mobile App Competency Centre is such an initiative by NIC announcing our stout presence in the domain of smart phone apps. One of the four Mobile App Competency Centres of NIC is setup in Kerala with its development centre at Kannur in 2016. The centre takes care of design and development of both iOS and Android native applications as well as hybrid mobile app development in Flutter. The centre provides Consultancy services to Pan India NIC centres on native mobile app development (Android, iOS), hybrid app development in Flutter along with support for App publishing to Play Store and App Store. The centre is also involved in preparing policy documents, security guidelines, designing and executing mobile application development trainings for NIC.

2016 Onwards.

# MOBILE APPLICATION COMPETENCE CENTRE, KANNUR

MACC KANNUR

<https://www.nic.in/special-centre-2/>

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Design, Development and Deployment of Mobile Applications
- ✓ Gaining expertise in native & hybrid mobile app development platforms to support NIC's app development teams
- ✓ Management of Apple Development Program Subscription of NIC
- ✓ Deployment of iOS & Android mobile applications developed by various NIC Centres
- ✓ Contributing to mobile application policy and security documents
- ✓ Design and execution of training programs on mobile app development



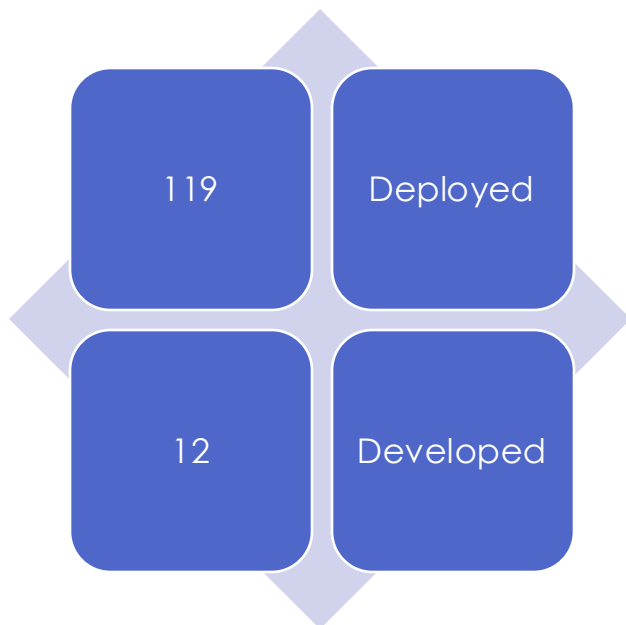
2016 Onwards.

# MOBILE APPLICATION COMPETENCE CENTRE, KANNUR

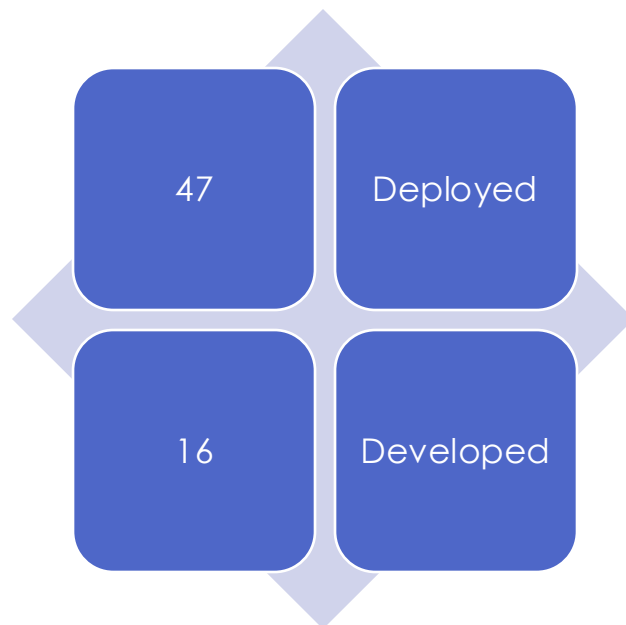
MACC KANNUR

<https://www.nic.in/special-centre-2/>

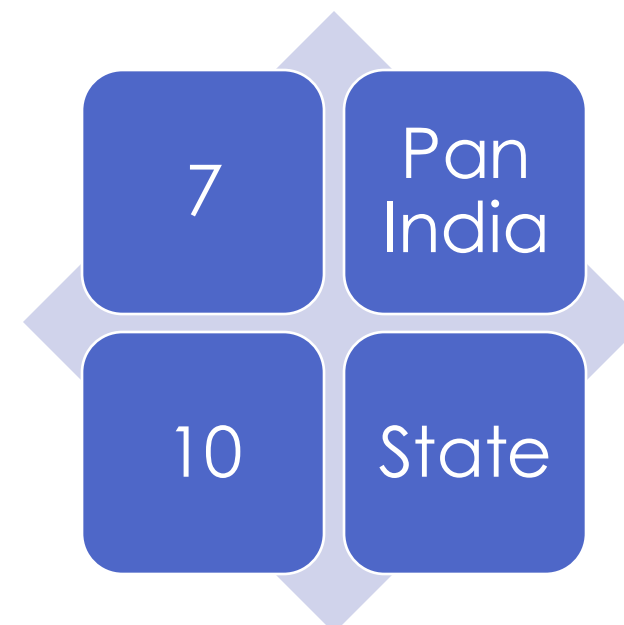
## iOS Apps



## Android Apps



## Trainings





एनआईसी  
NIC

**INFRASTRUCTURE**

# NETWORK

## INFRASTRUCTURE

- ❑ NICNET & NIC Core Services
- ❑ National Knowledge Network (NKN)



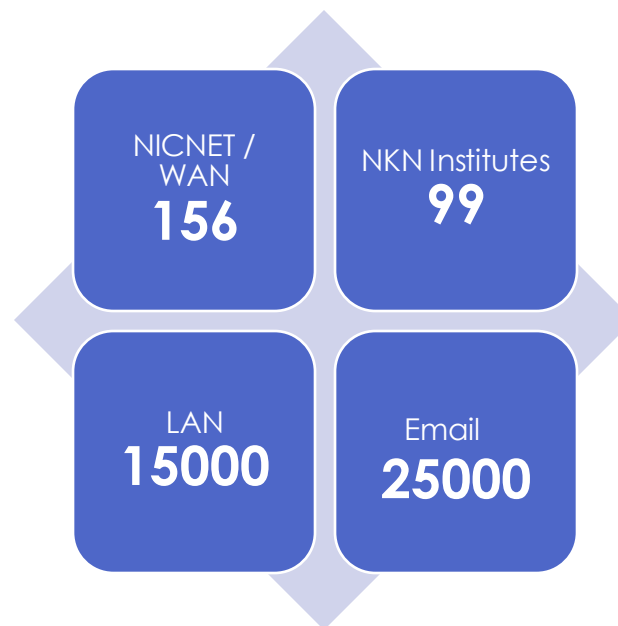
# NETWORK

## INFRASTRUCTURE

- ❑ NICNET & NIC Core Services
- ❑ National Knowledge Network (NKN)

## CORE FEATURES AND FUNCTIONALITIES

- ❖ 24x7 support
- ❖ Network operations & Management
- ❖ LAN support
- ❖ Endpoint Security
- ❖ Videoconferencing services
- ❖ Messaging Services
- ❖ DNS
- ❖ VPN



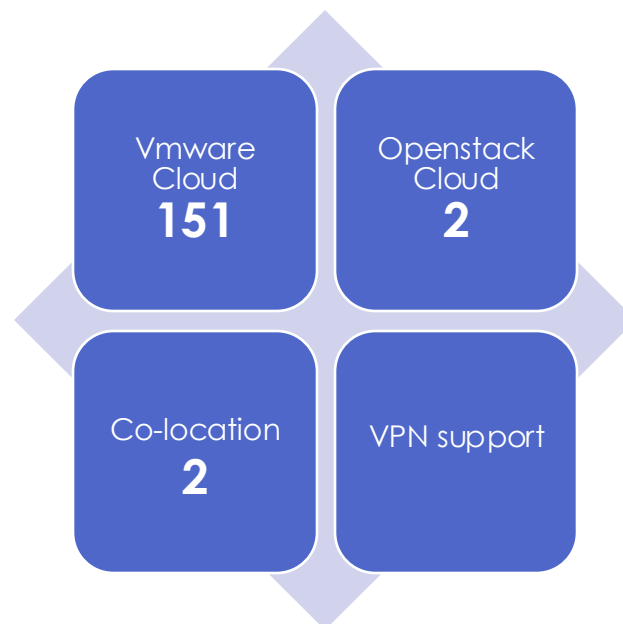
# DATACENTER/CLOUD

Cloud Services

- Mini Cloud Services
- Data Centre Operations & Management
- Webhosting Services

## CORE FEATURES AND FUNCTIONALITIES

- ✓ 24x7 support
- ✓ DC operations & Management
- ✓ Web Hosting
- ✓ Server Hardening
- ✓ Application & Database tuning
- ✓ Co-Location Support
- ✓ State Data Centre Support
- ✓ NDC support



# Infrastructure & Digital India activities

- AEBAS
- GeM – Procurement of items and services
- General & ICT Infrastructure Management
- Digital India Initiatives
- FMS & Service Desk Management
- Technical support to all departments

# Infrastructure / AEBAS

## CORE FEATURES AND FUNCTIONALITIES

- ✓ Technical committees
- ✓ Technical verifications
- ✓ Training
- ✓ Service desk calls escalation
- ✓ Auction of obsolete items
- ✓ GeM co-ordination
- ✓ Procurement

AEBAS Kerala **90**AEBAS central **140**



Thank You