Government of India
Ministry of Electronics & Information Technology

- Application Software Solutions
- Hardware & System Software Consultancy
- Setting up LAN & WAN
- Turnkey Projects like NKN
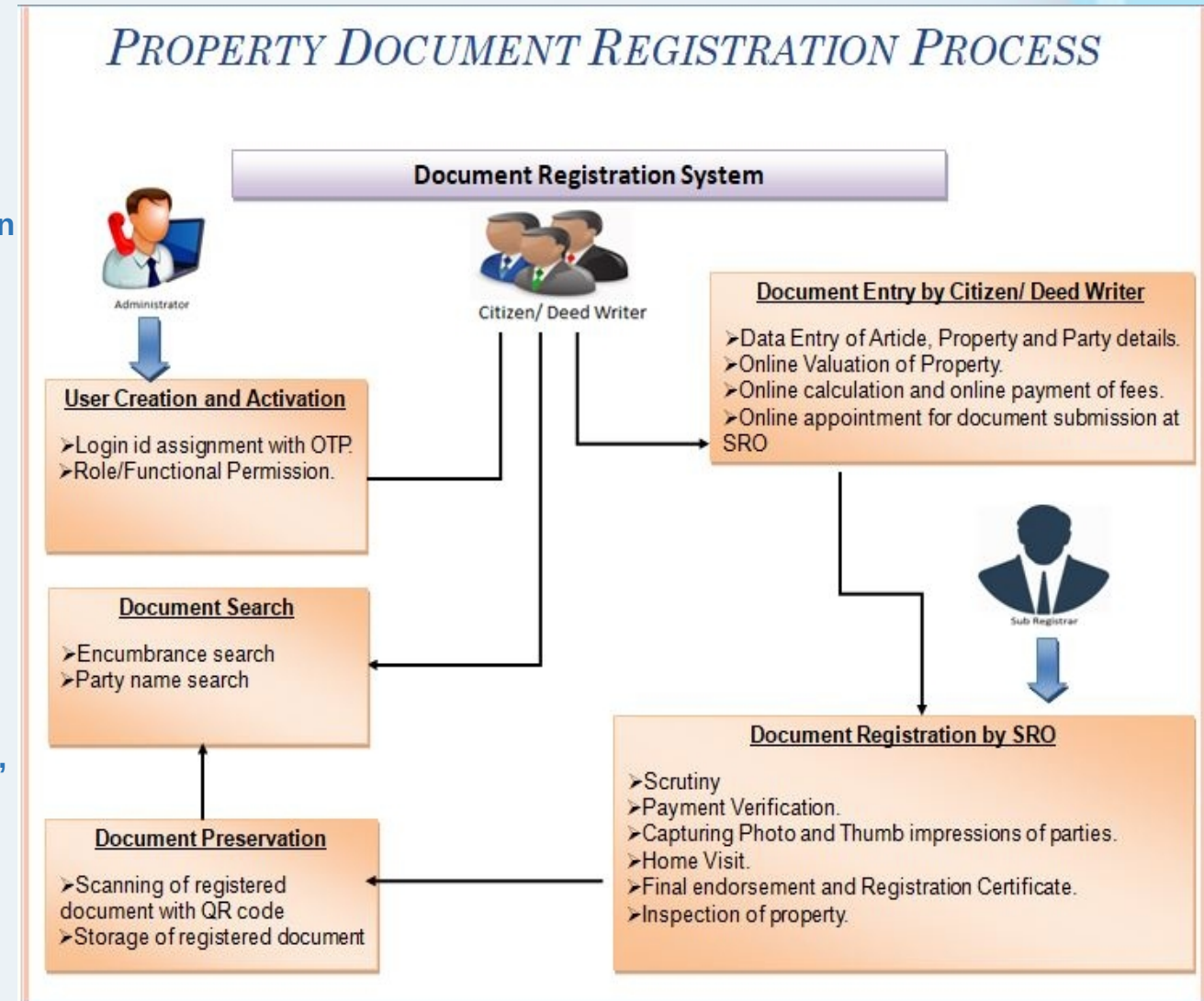- Cloud Services
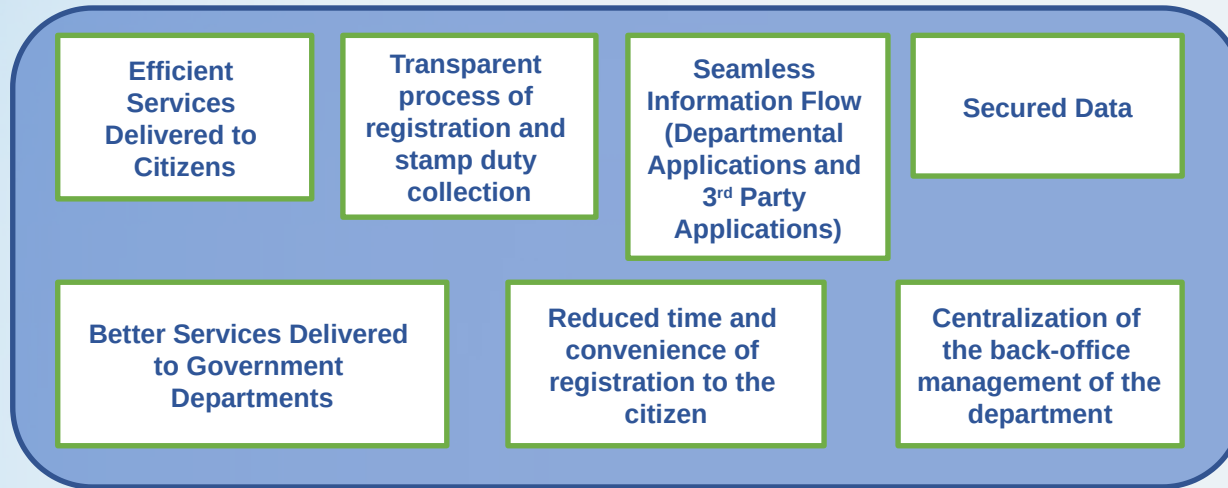- SMS & Relay Services
- Payment Gateway Services

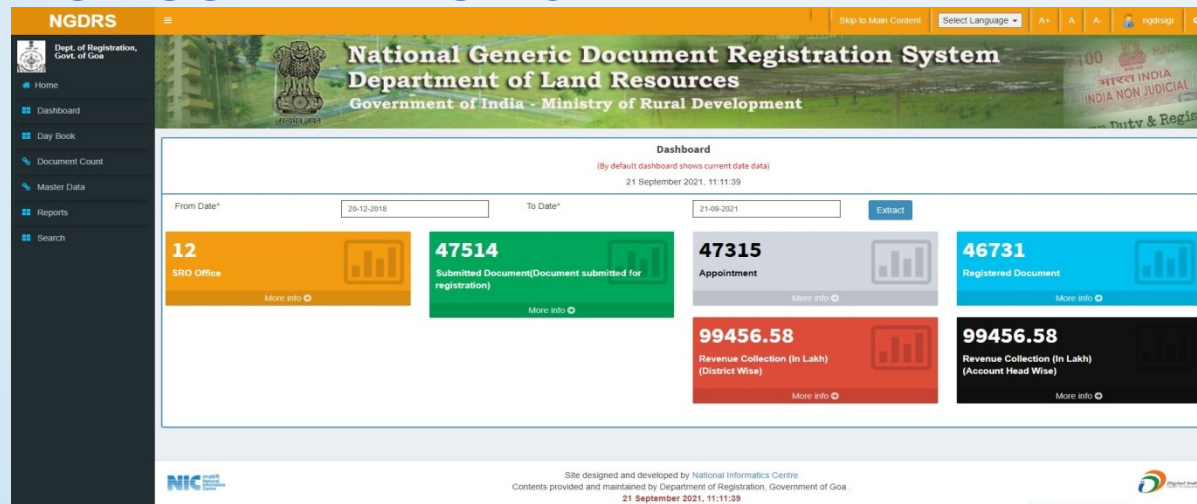# NATIONAL INFORMATICS CENTRE

NIC Goa State Project Profile - 2021

NIC
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National Generic Document Registration System (NGDRS) for
Registration Department, Government of Goa.

NGDRS Product Features

1. Single, web based application developed, URL "**https://ngdrsgoa.gov.in**"

2. State instance is configurable as per State Property Registration Act.

3. A complete user interface for Document Registration process.

4. Role based flexible authentication and authorization for citizens and department users.

5. Online document entry, online payment, online appointment, online admission by citizen.

6. Rule based online property valuation with calculation of stamp duty, registration fee and other applicable fee types.

7. Generation of Registration certificate, Index & Summary reports, Cashbook, Monitoring and MIS reports.

8. Document search and Encumbrance certificate for citizens.
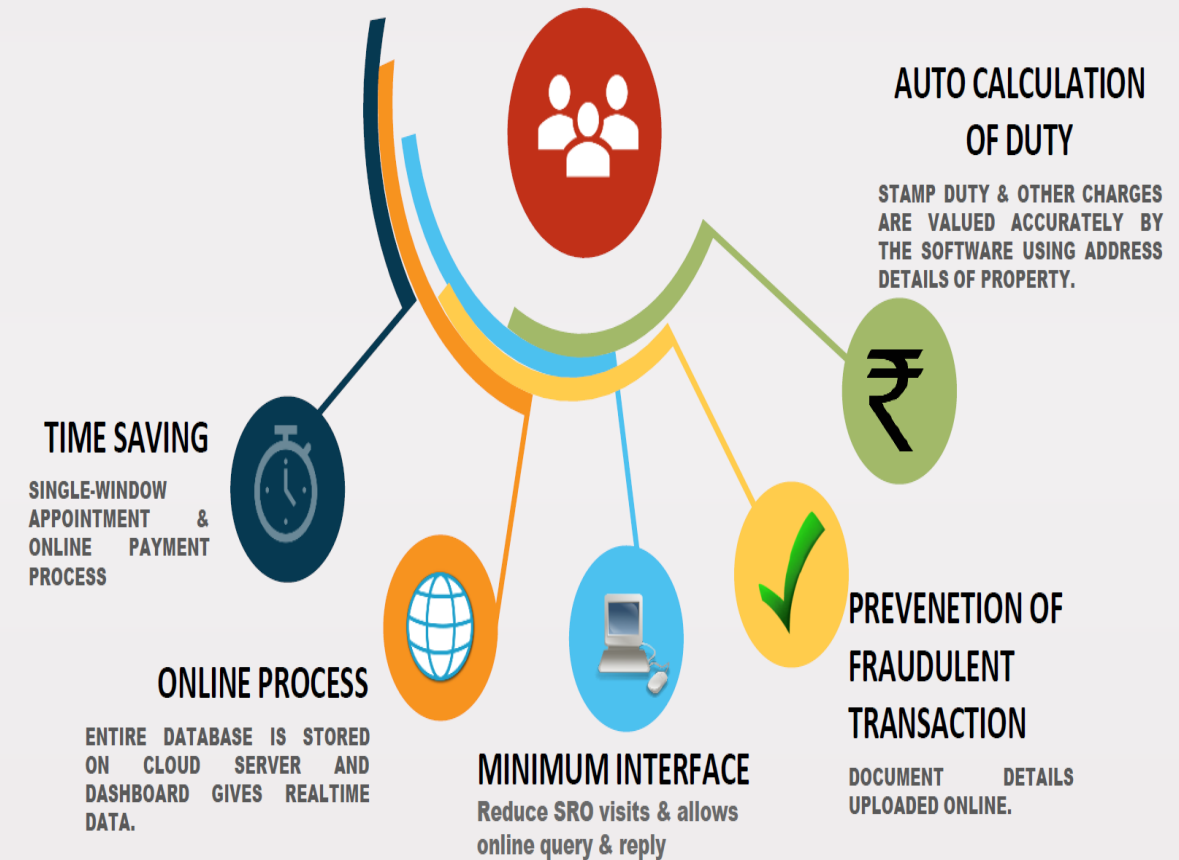
9. Dashboard for senior authorities

PROPERTY DOCUMENT REGISTRATION PROCESS

Document Registration System

Administrator

Citizen/ Deed Writer

User Creation and Activation
➤Login id assignment with OTP.
➤Role/Functional Permission.

Document Search
➤Encumbrance search
➤Party name search

Document Preservation
➤Scanning of registered document with QR code
➤Storage of registered document

Document Entry by Citizen/ Deed Writer
➤Data Entry of Article, Property and Party details.
➤Online Valuation of Property.
➤Online calculation and online payment of fees.
➤Online appointment for document submission at SRO

Sub Registrar

Document Registration by SRO
➤Scrutiny
➤Payment Verification.
➤Capturing Photo and Thumb impressions of parties.
➤Home Visit.
➤Final endorsement and Registration Certificate.
➤Inspection of property.

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NGDRS

BENEFITS :

Efficient Services Delivered to Citizens	Transparent process of registration and stamp duty collection	Seamless Information Flow (Departmental Applications and 3rd Party Applications)	Secured Data
Better Services Delivered to Government Departments	Reduced time and convenience of registration to the citizen	Centralization of the back-office management of the department	

NGDRS SAMPLE DASHBOARD :

BENEFITS OF PROCESS RE-ENGINEERING

AUTO CALCULATION OF DUTY
STAMP DUTY & OTHER CHARGES ARE VALUED ACCURATELY BY THE SOFTWARE USING ADDRESS DETAILS OF PROPERTY.

TIME SAVING
SINGLE-WINDOW APPOINTMENT & ONLINE PAYMENT PROCESS

ONLINE PROCESS
ENTIRE DATABASE IS STORED ON CLOUD SERVER AND DASHBOARD GIVES REALTIME DATA.

MINIMUM INTERFACE
Reduce SRO visits & allows online query & reply

PREVENETION OF FRAUDULENT TRANSACTION
DOCUMENT DETAILS UPLOADED ONLINE.

Accounts-Online Project

An IT Solution for the Directorate of Accounts, Goa

E-Challan Payment Gateway (Internet)
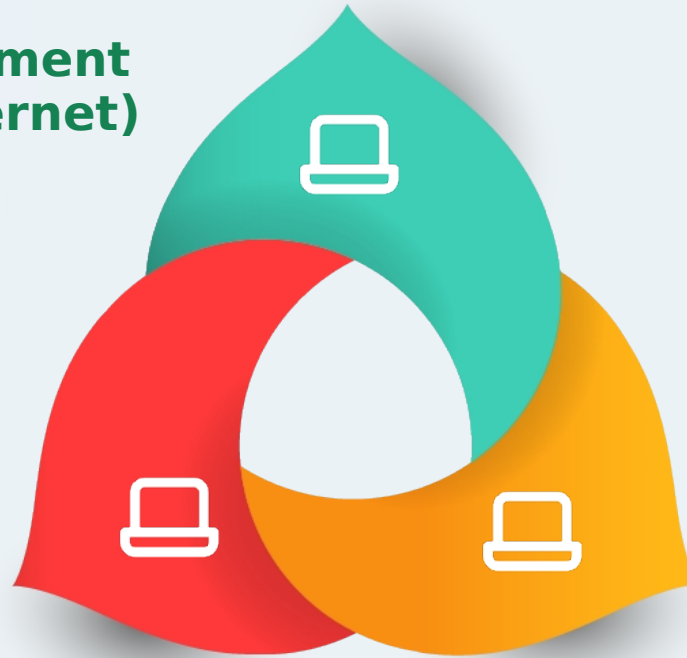
**E-Pagaar20
E-DDO (Intranet)**

Departmental Applications

- **Integrated Bill Processing System (IBPS)**
- **E-Payments**
- **Cheques**
- **Treasury Accounting system**
- **Compilation of Accounts**
- **GPF System**
- **NPS System**
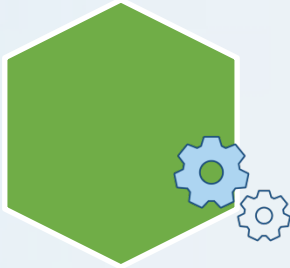- **Works Audit System**
- **Advances Management System**
- **Others…**

CSI NIHILENT Award in Department Category in 2009

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E-Challan Payment Gateway

A portal for making all kinds of payments to the State Treasury
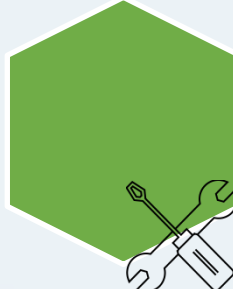
Awards

Site to site Integration

G2C,G2G,G2B

Integration with SBI-MOPS & SBI e-Pay
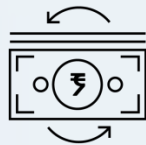
75% payments received by online mode

300+ services

Less Paper/ Green Governance

- **CSI NIHILENT Award in Project Category in December 2018**

- **Express Computer Enterprise Apps Award in 2018**

- **SKOCH Smart Governance Award in 2015**

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e-Pagaar20

Online Submission of Pay Bills for Government Employees

Implemented for all 550 DDO's in Goa

Salary of 45,000+ employees is prepared using this portal

Auto posting of GPF, NPS, Advances schedules to sections in DOA

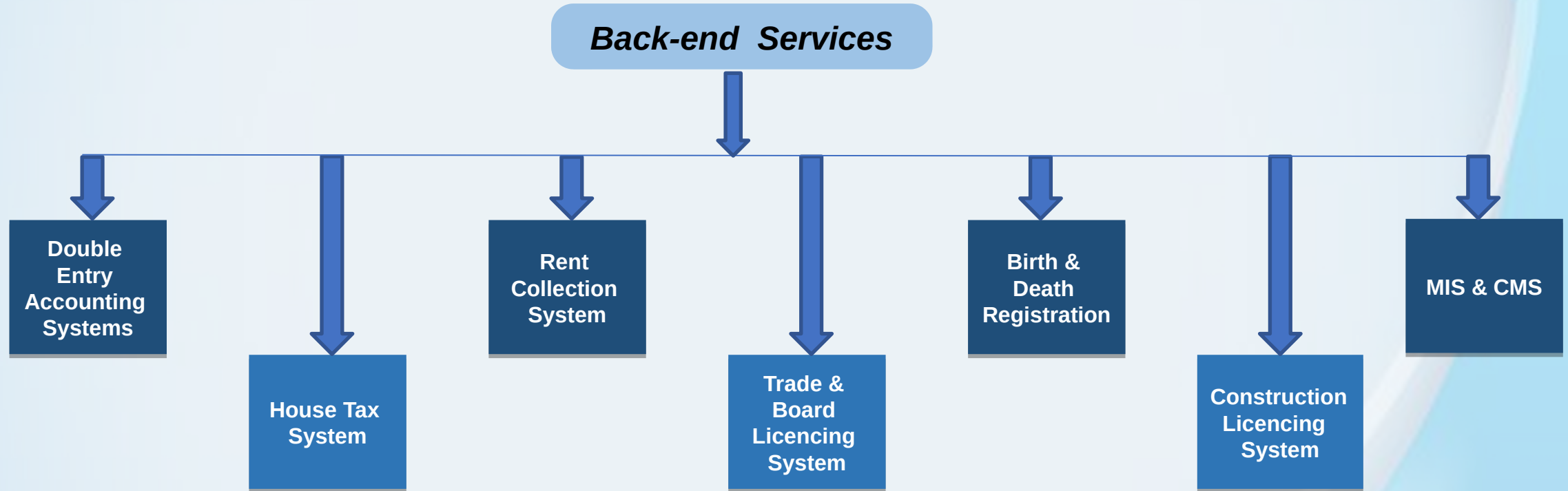NPS contribution will be transferred to NSDL faster

Recognition

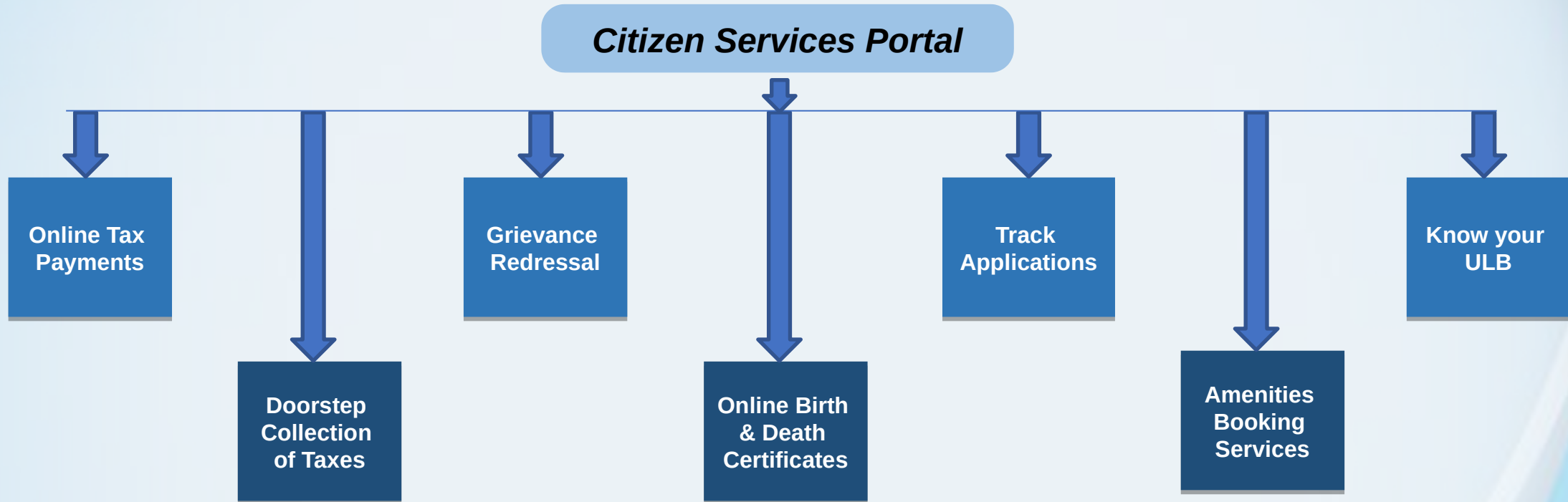Mention of completion of e-Pagaar20 project in the State Assembly by Hon'ble Chief Minister of Goa on 29 July 2021

Goa Employee
Pay Slip

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Municipal Administration Software (MAS)
An ICT initiative for the Urban Local Bodies in the State of Goa

Back-end Services

- Double Entry Accounting Systems
- House Tax System
- Rent Collection System
- Trade & Board Licencing System
- Birth & Death Registration
- Construction Licencing System
- MIS & CMS

Municipal Administration Software (MAS)

Citizen Services Portal

- Online Tax Payments
- Doorstep Collection of Taxes
- Grievance Redressal
- Online Birth & Death Certificates
- Track Applications
- Amenities Booking Services
- Know your ULB

Total ULBs			14	
	2018	**2019**	**2020**	**2021**
Revenue Collected from Online services	2,27,70,340	4,63,76,666	11,06,27,529	10,34,80,863

Department of Commercial Taxes

GOA VAT & GST SERVICES

- GST FRONT Portal by GST Network
- GST Backoffice by NIC Goa
- VAT Front Portal by NIC Goa
- VAT Backoffice by NIC Goa

GST
Goods and Services Tax

One Nation One Tax

https://goagst.gov.in

http://goacomtax.gov.in
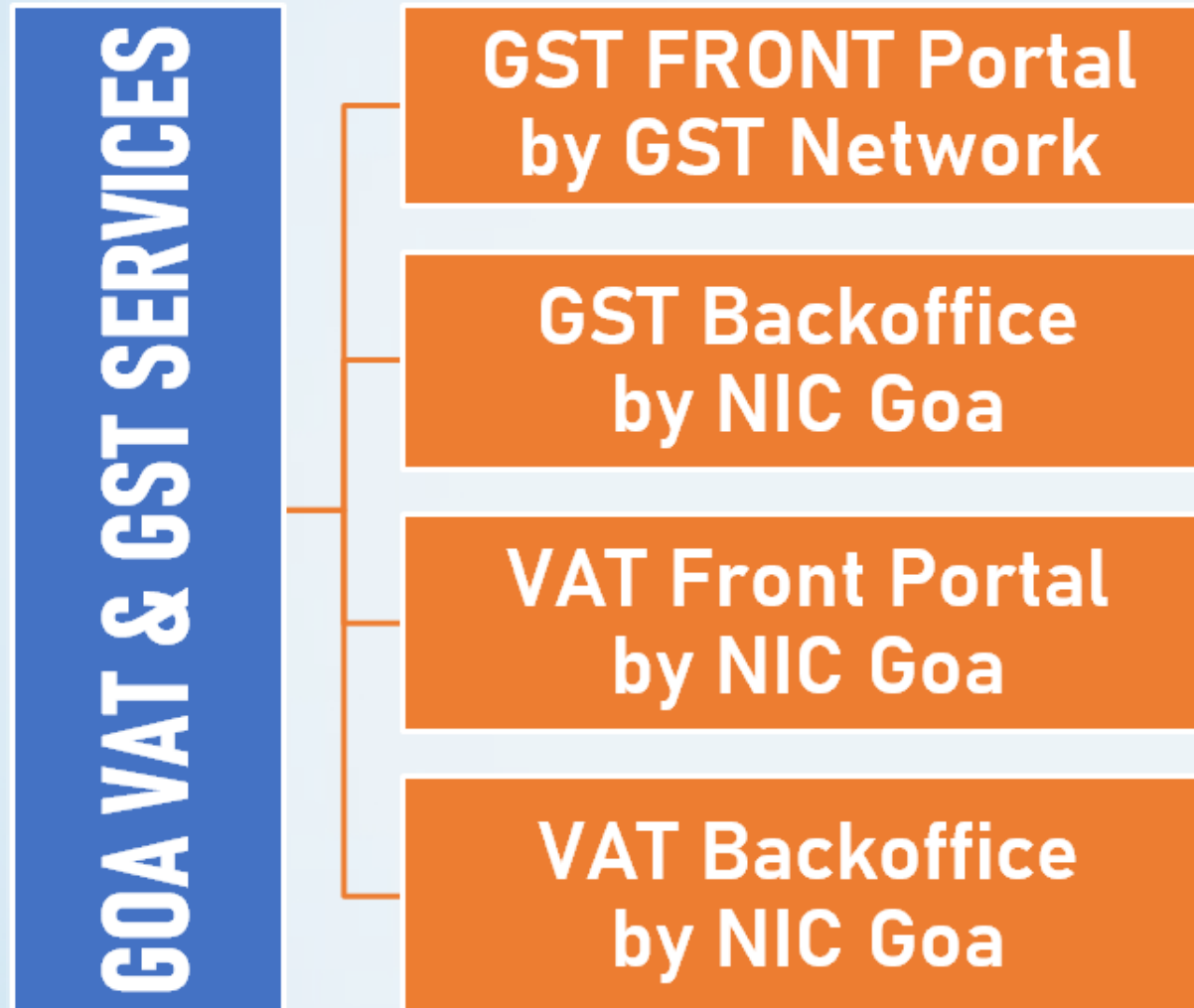
GST Authorised Signatory – Add/ Update Details

Visit Goa GST Portal
https://goagst.gov.in

Submit Application, after OTP verification.
Receive SMS with Application number

Tax Officer scrutiny, Approves or Reject Application

Open Authorised Signatory Add/ Update

Apply for new Authorised Signatory Registration
or Update Mobile/ Email

On Approval, New Authorised Signatory registered OR Mobile/ Email updated

Login with GSTIN, Mobile of PAN owner

User Dashboard

Taxpayer/ Authorised Signatory accesses GST Front portal for reset password

NIC एनआईसी National Informatics Centre

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Dharani and Bhunaksha

Web services consumed by various Government departments

RoR

Dharani Urban

For managing Urban (Form D) Land Records..

Cadestral Map Application.
(Data Uploading and Customisation going on)

Bhu-Naksha

Department's website and Citizen portal to view RoR

Dharani Rural

For managing Rural (Form I & XIV) Land Records

Web services are consumed by GEL for Citizen services
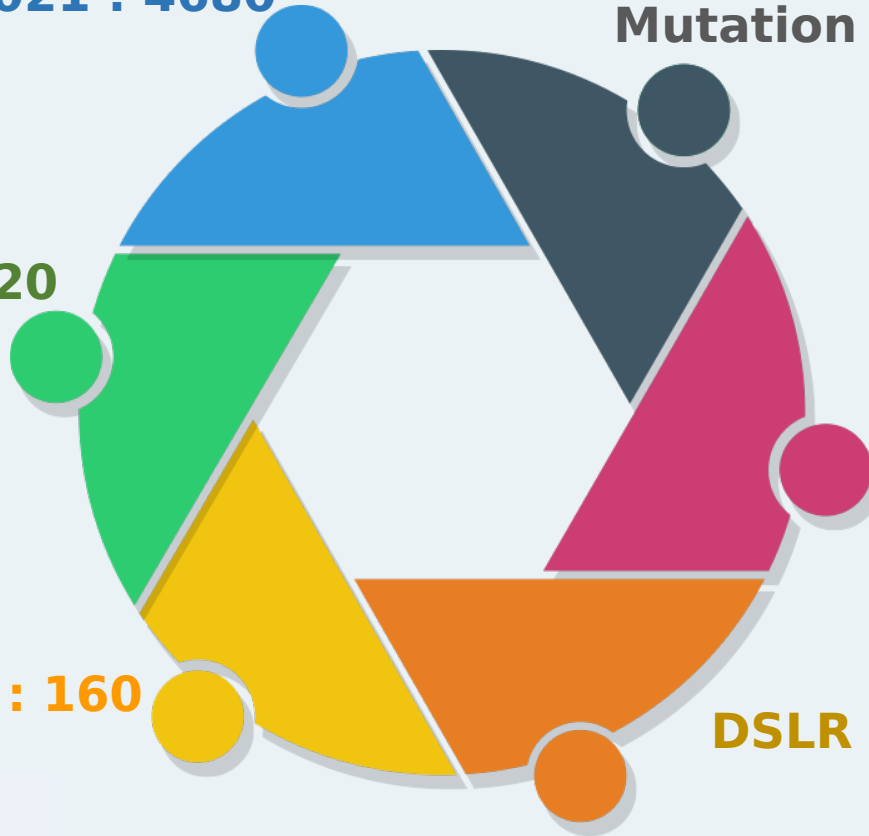
Dharani and Bhunaksha

Mutations Registered in 2021 : 4680

Mutation Disposed in 2021 : 8829

RoR Issued/Viewed: 11,77,320

Properties : 73,0,096 (Rural) & 43,243 (Urban)

Bhunaksha Maps uploaded : 160

DSLR website hits : 48,39,875

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Centre

eCabinet

Components of Unified Solution

- Bring Cabinet Meetings Online
- Automate Workflow
- Enforce Confidentially of Information in Workflow
- Maintain Complete Traceability & monitoring of Past meeting
- Facilitate remote participation of Ministers in Meetings through VC
- Make Cabinet meetings paper less.

To manage, monitor Cabinet meetings and action taken follow-up

1

e-Cabinet portal

Anytime, Anywhere Availability of Information for Cabinet Ministers, Secretaries & Departments

2

GAD Portal

Restricted Access to GAD for Cabinet related Confidential matters

3

Tablet - Meeting Day Management System

Solution to manage the Meeting on Meeting Day. Restricted to GAD

4

Citizen Portal

Viewing of all Cabinet Approved Decisions

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eBudget

eBudget, an online web application developed for Department of Finance(Budget), Secretariat, Government of Goa to prepare and present paperless budget by Hon'ble Chief Minister of Goa. The paperless budget was presented by Shri. Manohar Parrikar, then Chief Minister of Goa on 31/01/2019. This is first time in India paperless budget presented.
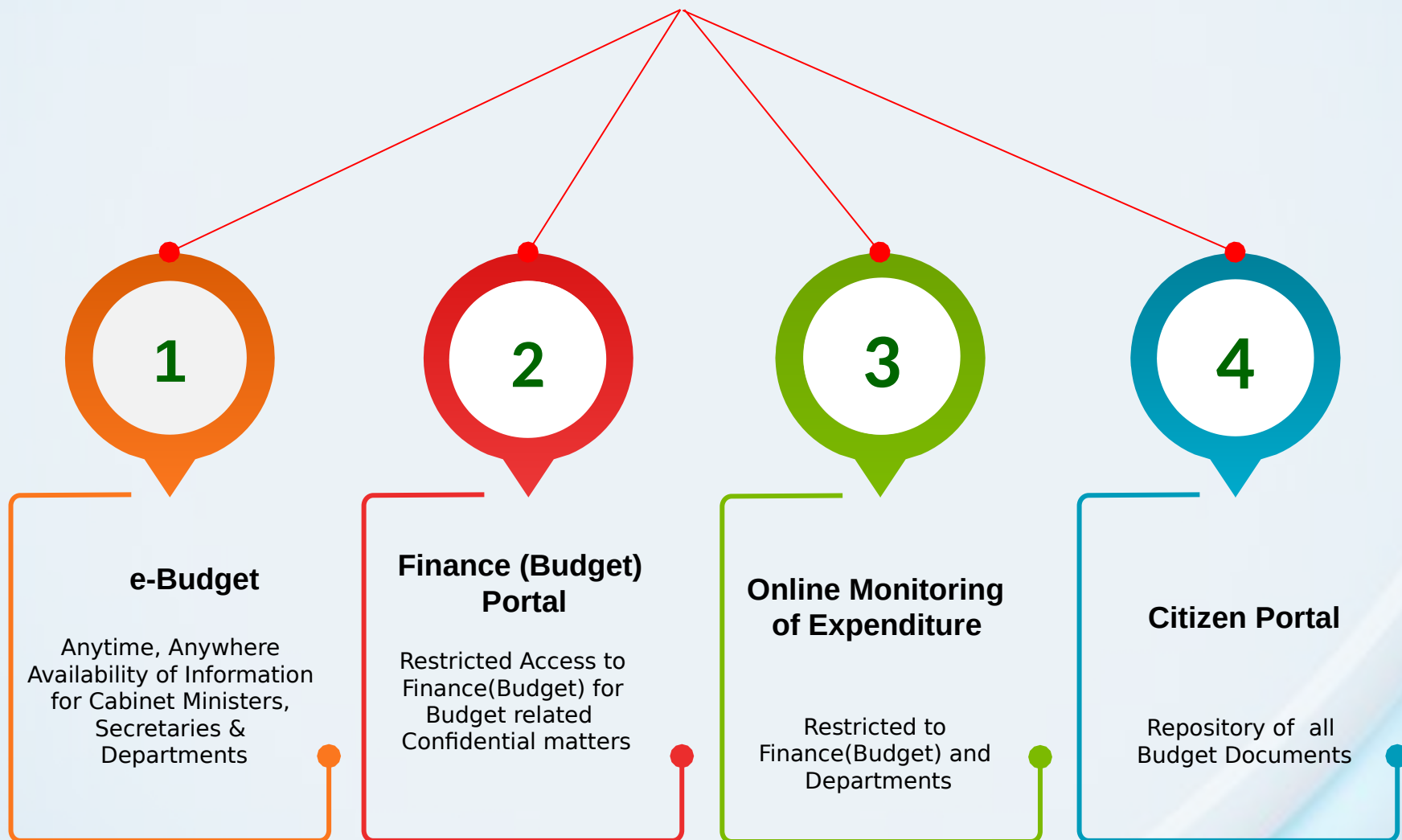
Salient Features
- ✓ All Budget reports placed on website and can be download by departments and public.
- ✓ Online monitoring of daily expenditure and balance can be viewed demand wise, major head, etc.,
- ✓ Can able to view previous budgets and supplementary.
- ✓ Online re-appropriation, surrender of funds
- ✓ Totally Paperless administration.
- ✓ Online Budget Speech material for Hon'ble Chief Minister submitted by Departments
- ✓ Online Budget Speech material for Hon'ble Governor submitted by Departments
- ✓ Economic Survey
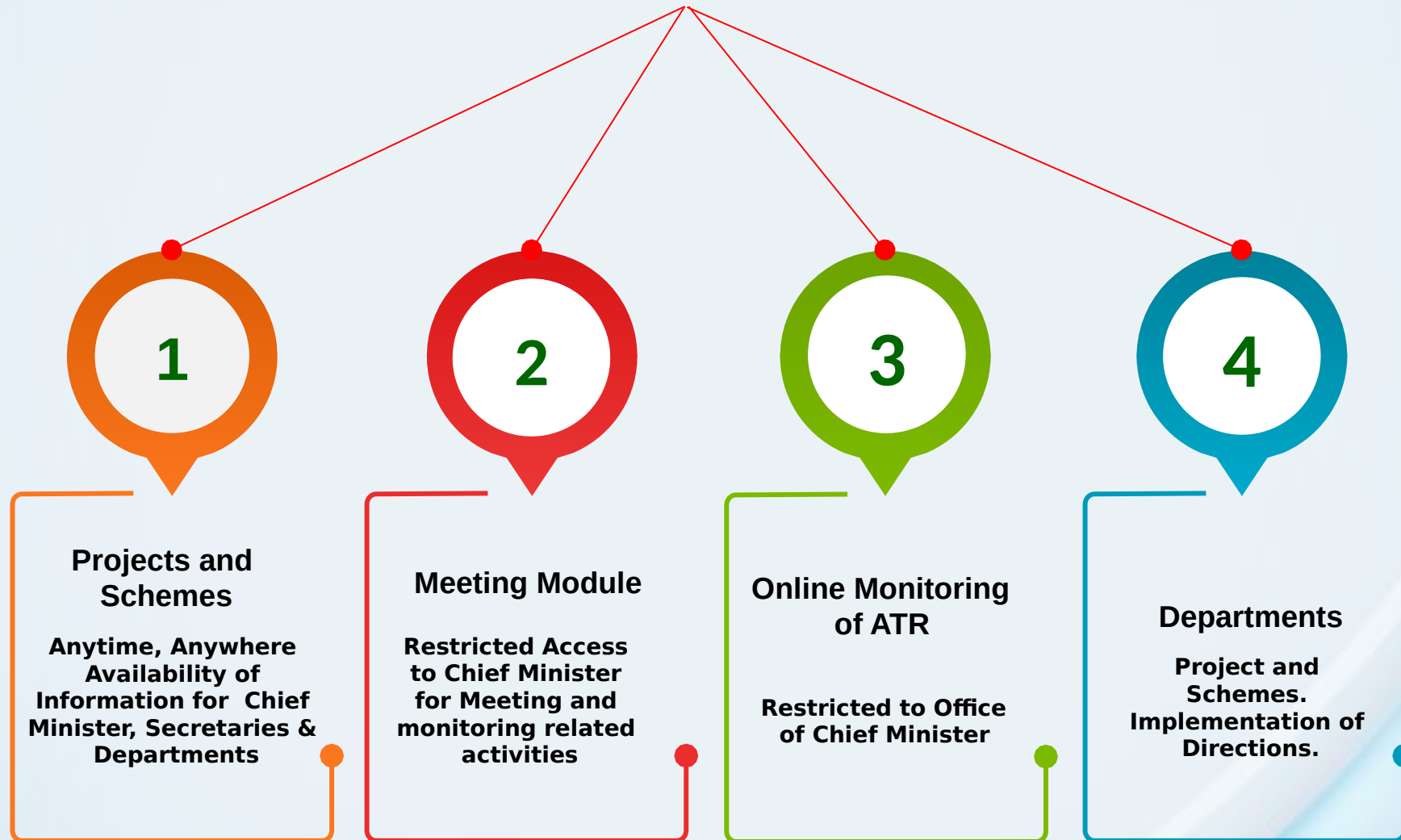
eBudget

Components of Paperless Budget

1

e-Budget

Anytime, Anywhere Availability of Information for Cabinet Ministers, Secretaries & Departments

2

Finance (Budget) Portal

Restricted Access to Finance(Budget) for Budget related Confidential matters

3

Online Monitoring of Expenditure

Restricted to Finance(Budget) and Departments

4

Citizen Portal

Repository of all Budget Documents

Goa Pragati, an online web application developed for Office of Hon'ble Chief Minister of Goa, to monitor all Projects, Central Schemes and State Schemes. Also to convene meetings and monitor status of implementation of all projects. Now, this system is being extended to all Chief Secretary, Secretaries for monitoring the activities of their departments.

Salient Features
- Online monitoring of all Projects, Central and State sponsored schemes.
- Convene meetings through online
- Prepare agenda of meeting and convene to stockholders online.
- Convene directions given by Hon'ble Chief Minister and Chief Secretary online.
- Project Monitoring and further actions.
- System is being extended to Secretaries and HODs for scheduling meetings and further monitoring of action taken.

Goa Pragati

Components of Goa Pragati

1

2

3

4

Projects and Schemes

Anytime, Anywhere Availability of Information for Chief Minister, Secretaries & Departments

Meeting Module

Restricted Access to Chief Minister for Meeting and monitoring related activities

Online Monitoring of ATR

Restricted to Office of Chief Minister

Departments

Project and Schemes. Implementation of Directions.

Election Staff Management System (ESMS)

It is web based system developed under .NET platform for collecting details of staffs and vehicles in various government departments and institutions.

This software is deployed and is used by 800 offices in South Goa district. The software is deployed in North Goa as well.

It will help district administration to get accurate staff and vehicle details and to use it later for polling duties assignment.

Election Staff Management System (ESMS)

During Election, It is then used for randomization, trainings, order generation and acquaintance roll of Polling Staff and Micro Observers using the software.

Election Duty Certificate (EDC) data entry is done through the software and certificate also is generated.

During Counting, randomization, trainings and order generation and acquaintance roll of Counting Staff and Counting Observers are done using the software.

Vehicle Location Tracking (VLT) and Emergency Alert System (EAS) Goa

Flow Chart of VLT Activities
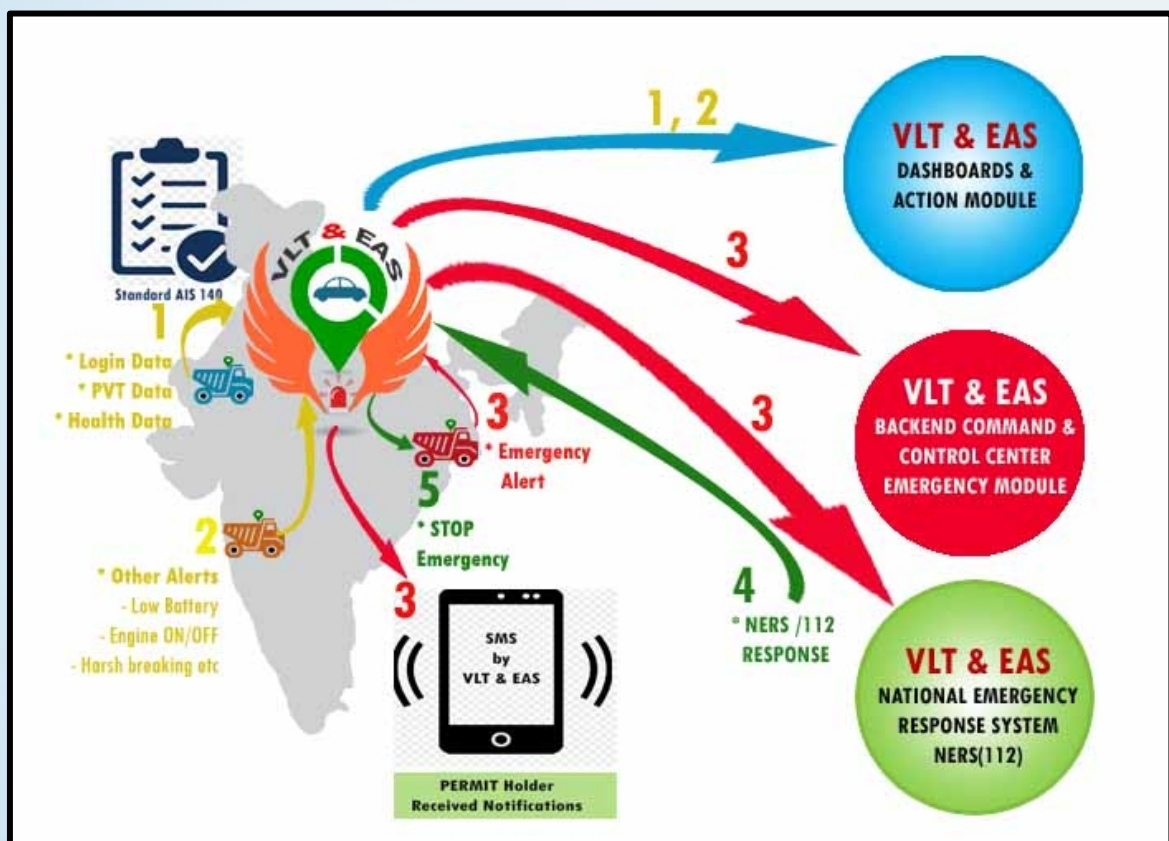
Main features of VLT & EAS are listed, as under:

- ➢ Fitting of VLT device on Public Transport Vehicles by vendor
- ➢ Activation of VLT device & Generation of VLTD certificate
- ➢ Integration with VAHAN, ERSS and SERS/NERS (112)
- ➢ Regular health check of VLTD
- ➢ Integration of GIS Maps with Textual data
- ➢ Display emergency alerts automatically in backend CCC in Textual and Map formats
- ➢ Send emergency alerts via SMS to owner automatically
- ➢ Send emergency alerts to SERS/NERS(112) automatically
- ➢ Capture response from SERS/NERS
- ➢ Stop emergency alert after getting compliance response from SERS/NERS

VLT & EAS Integration Status

- Presently 5 OEM/Vendors approved for tagging VLTD devices.
- 1268 (Faremeter + VLTD) devices on boarded, 12 VLTD devices on boarded.

20

Integrated Road Accident Database (iRAD) Goa

Stakeholders Departments of iRAD Project

Police
Transport
Health
Highways
Traffic Police
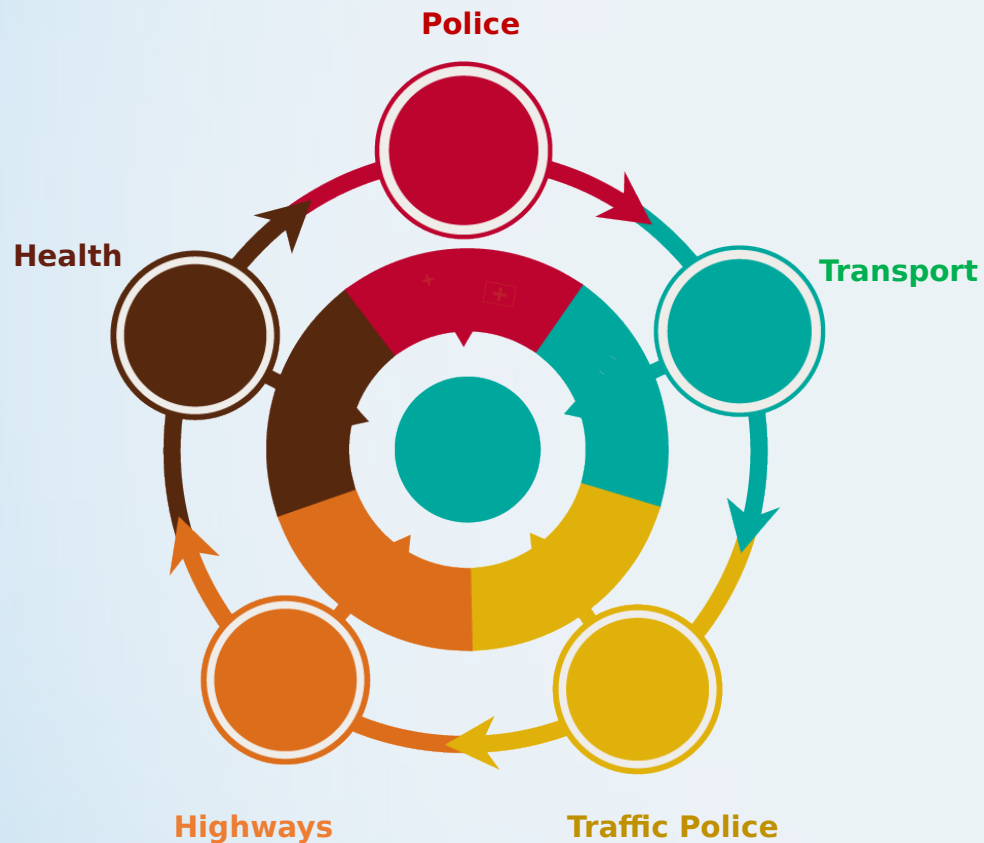
Main objective and features of iRAD Project

➢ To accurately identify accidents spots and take corrective actions
➢ Enhancement in road safety i.e. 'Safe Road for All' in India
➢ Analytics and Reporting
➢ Application available in Mobile (Android & iOS) and Web Platform
➢ Online / Offline Data entry option
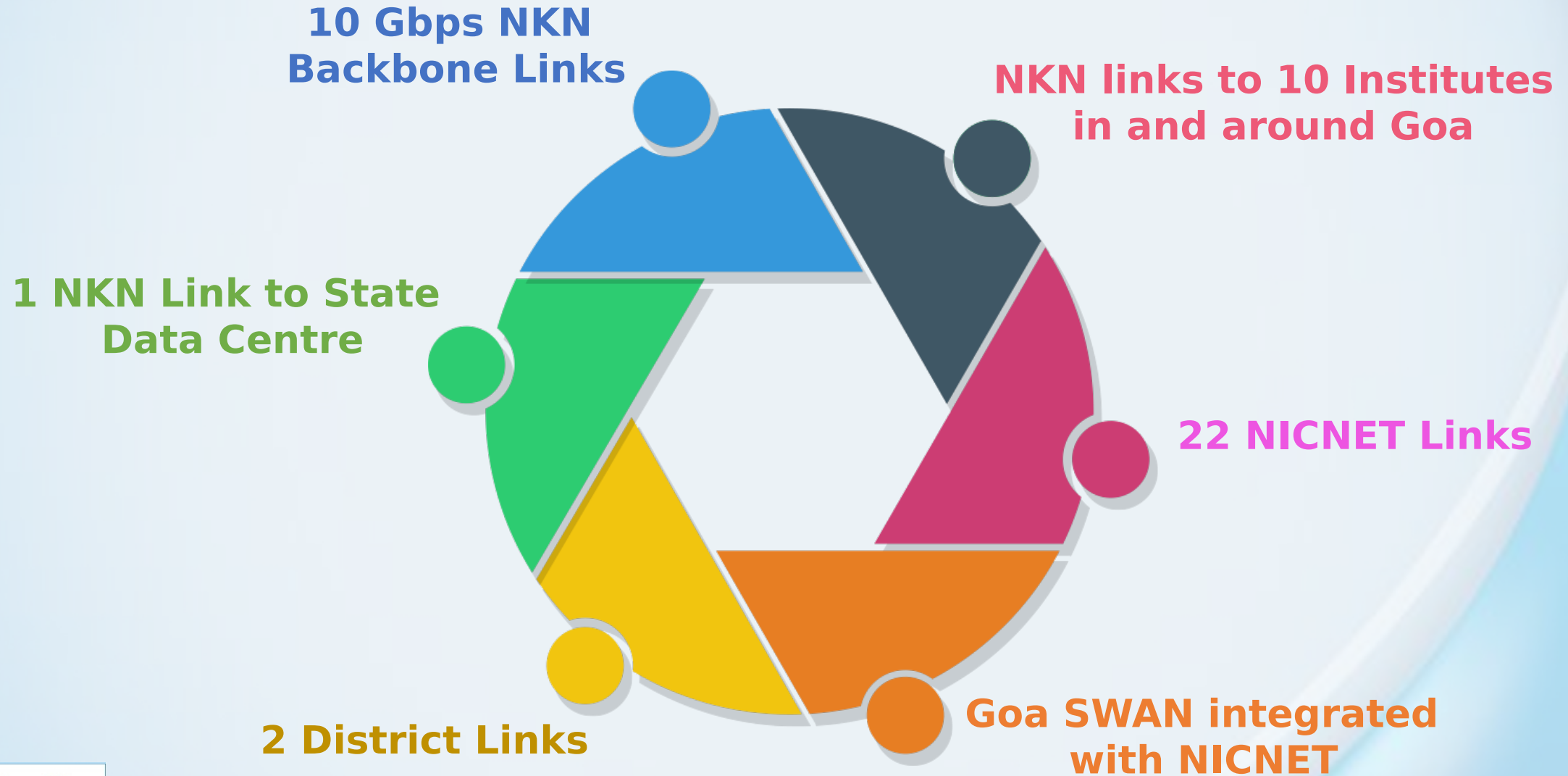➢ Capturing of GPS Location of accident site

iRAD Implementation Status

➢ Appointed State Rollout Manager and 2 District Rollout Managers.
➢ Presently training is being imparted to stakeholders departments.
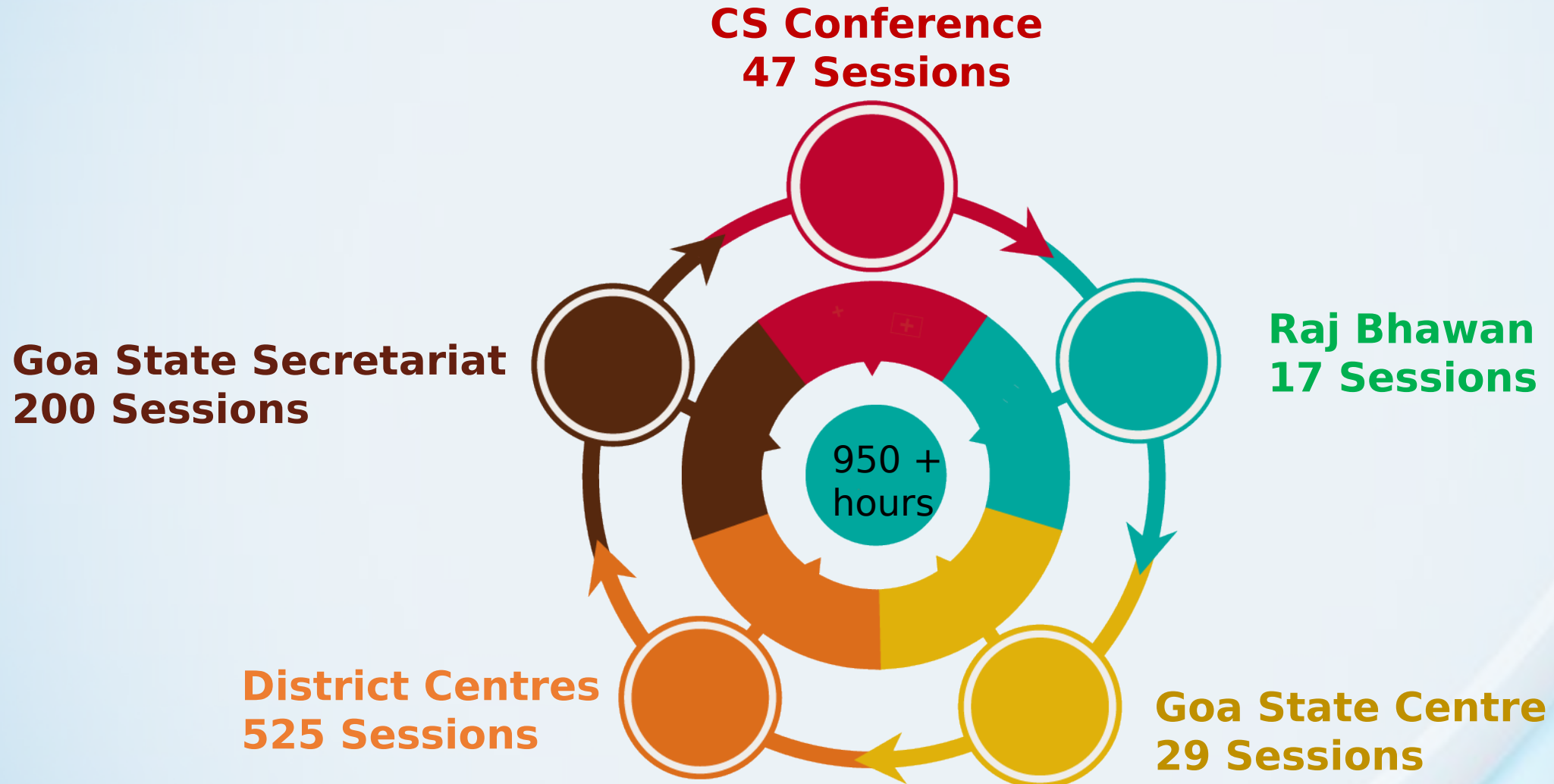
Goa e-Sahakar

- **Feature of e-Sahakar**
- **Online Registration of Cooperative Societies**
- **360 degree profiling of Cooperative Societies**
- **Statutory Reports filing (Returns , Audit, etc)**
- **Chartered Accounts (CA) Empanelment**
- **Housing Society Complaints Monitoring System**
- **RTI Application and Tracking**
- **Employees Service Book Management**
- **Audit Allotment System**
- **Cooperative Judicial Management System**
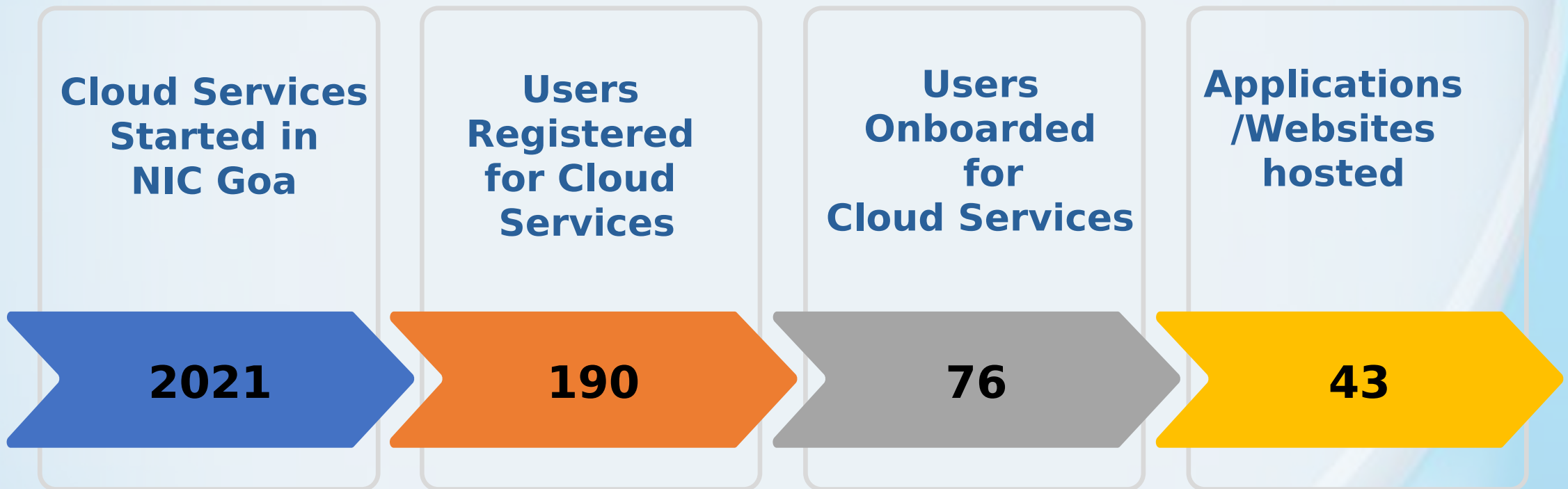- **MIS Reports**

Network Services (NKN & NICNET)

10 Gbps NKN Backbone Links

NKN links to 10 Institutes in and around Goa

1 NKN Link to State Data Centre

22 NICNET Links

2 District Links

Goa SWAN integrated with NICNET

Video Conferencing Services

**CS Conference
47 Sessions**

**Goa State Secretariat
200 Sessions**

**Raj Bhawan
17 Sessions**

950 +
hours

**District Centres
525 Sessions**

**Goa State Centre
29 Sessions**

Statistics as per sessions held from 01-09-2020 till 31-08-2021

24

Data Centre & Cloud Services

Cloud Services Started in NIC Goa	Users Registered for Cloud Services	Users Onboarded for Cloud Services	Applications /Websites hosted
2021	**190**	**76**	**43**

# Goa Excise Management System (GEMS)

DEPARTMENT OF EXCISE, GOA

Facilitate excise duty of liquor manufacturing and issuing Permit for import/Export of finished product, raw materials, manufacturing, sale of liquor, medicinal and toilet preparations.

Officer G2B, G2C and G2G using ICT tools to bring transparency, accountability in day to day functions and response time close to zero. This in indtruduced paperless office & Zero physical file movement from Genesis to End.

GEMS facilitates "Anywhere, Anytime Services".

- ✓ 50+ online services
- ✓ Three web applications
- ✓ Two Android Mobile Apps
- ✓ 10000+ Registered Dealers
- ✓ 250+ Registered officials
- ✓ Services utilised by the public and
- ✓ other State Enforcement Agencies.

Manufacturing Unit –Supply Chain

Department of Environment & Climate Change
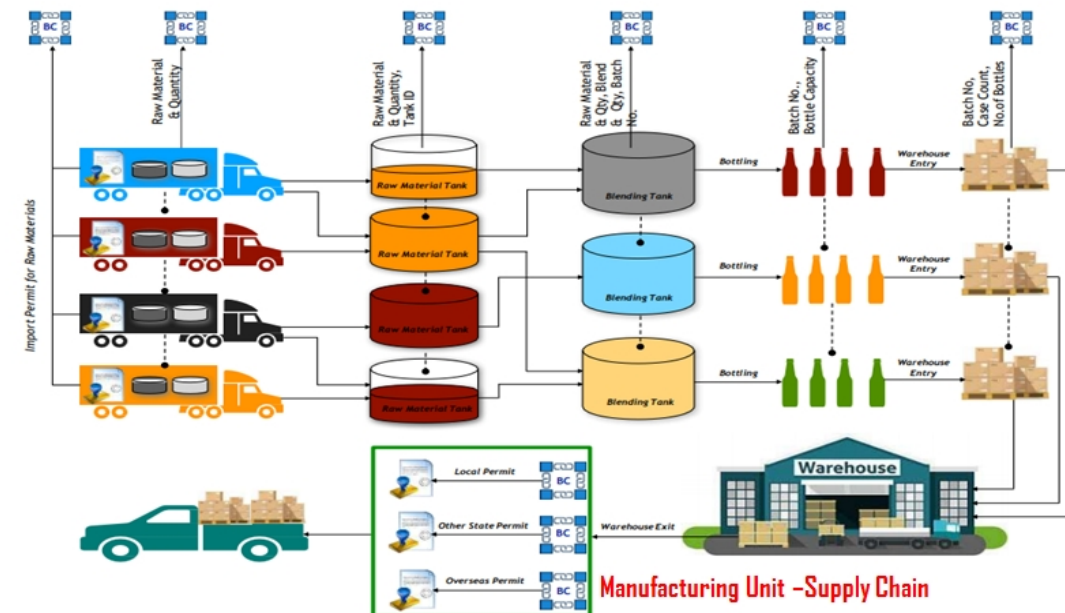
A nodal agency for the planning, promotion, co-ordination and overseeing the implementation of Goa's environmental and forestry policies and programmes. Ensure the conservation of the State's natural resources including its lakes and rivers, its biodiversity, forests and wildlife, including welfare of animals, prevention and abatement of pollution.
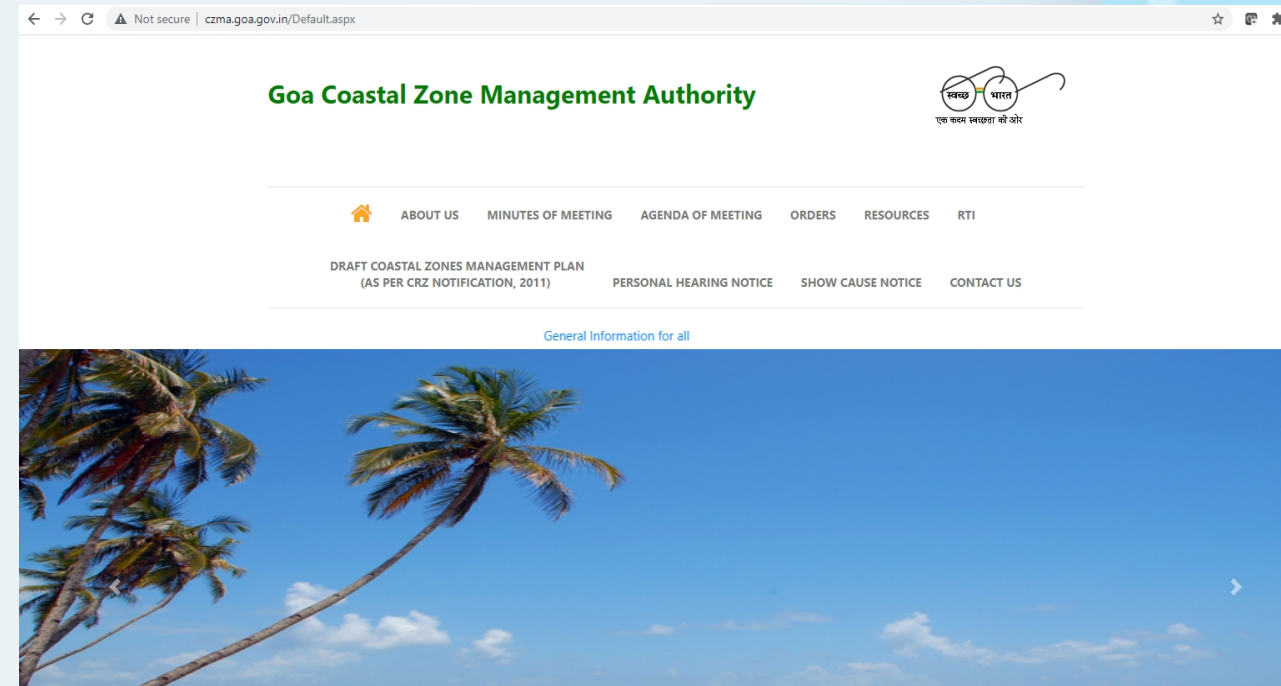
Goa Coastal Zone Management Authority (GCZMA)

Constituted by Ministry of Environment and Forest, Government of India.

The mandate of the authority is to take measures for protecting and improving the quality of coastal Environment and preventing, abating and controlling environmental pollution in the areas of State of Goa.

Draft CRZ Maps(1:4000/Scale) for District-North Goa, Taluka-Pernem and Village-Tiracol .
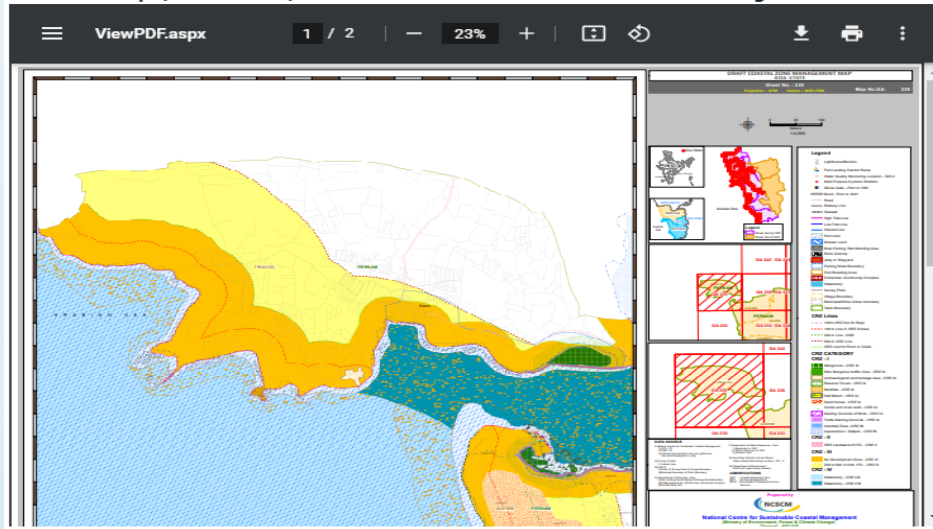
Draft CRZ Maps(1:4000/Scale) for District-South Goa, Taluka-Mormugao and Village-Cortalim .

28

Online Marriage Registration

Marriage Registration, an online web application developed for registration department for all the Sub-Registrar Offices (SRO) in Goa. Citizen can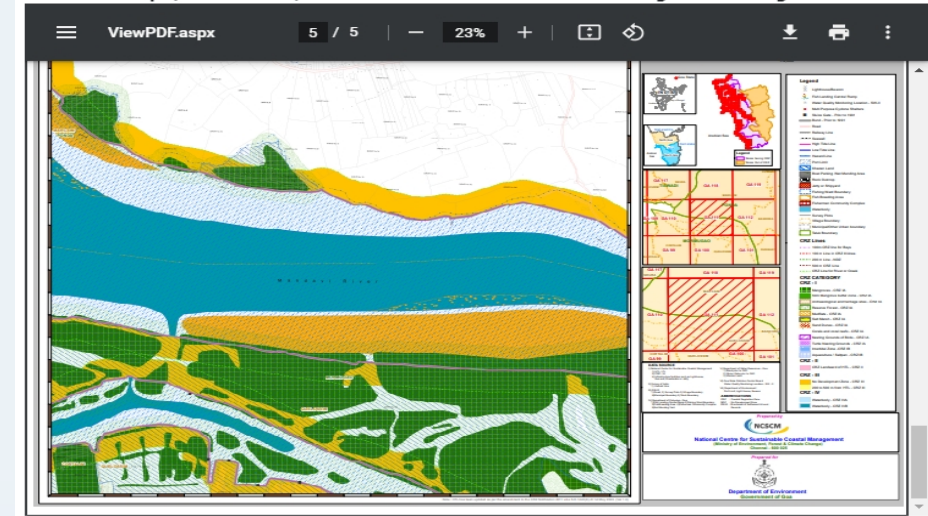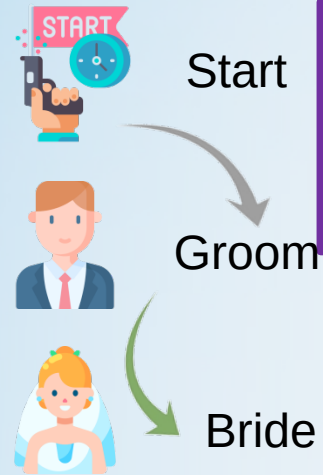 access the Marriage Registration website at https://reg.goa.gov.in and submit the application for Marriage Registration.

Start

Groom

Bride → Witness → Document Upload

Submit

Acceptance

Payment

Marriage Declaration

Waiting Period

Book Appointment

Marriage Registration Completed

Marriage registration is one of the most important tasks connecting to a wedding. Marriages are registered in the State of Goa under the Code of Civil Registration irrespective of their religions.

Marriage Registration offers a juridical status to the marriages under the law. Marriage could be proved by the certificate of marriage issued by Civil Registrar.

Salient Features
- **Digital Dashboard for Notice of Marriage**
- **Online Payment and Online Appointment**
- **Online NOC from Other Taluka Offices**
- **Assistant Public Prosecutor (APP) letter for waive of 15 days waiting period**
- **Digital Marriage Register**
- **Priest Letter (in case of Canonical Marriage)**
- **Witness Change**
- **Endorsement in Marriage Register**
- **Marriage Certificate**
- **Bride Name Change**
- **Visit to Office only on the appointment day.**

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Online Society Registration

Society Registration, an online web application developed for registration department for the District-Registrar Offices (DRO) in Goa. Citizen can access Society Registration website at https://societyreg.goa.gov.in and submit the application for Society Registration or Renewal of Society.

Steps to Register :

- **Applicant(Either President or Secretary) can register on the Society Registration Portal**
- **Fill the society details, member details and upload mandatory documents. Submit the application online for scrutiny purpose.**
- **Once application is scrutinized and accepted by Officer, intimation will be sent to user for payment and after successful payment Certificate will be issued.**

Work Flow of Application

Register

Add Members

Document Upload

Submit

Acceptance

Payment

Certificate issued
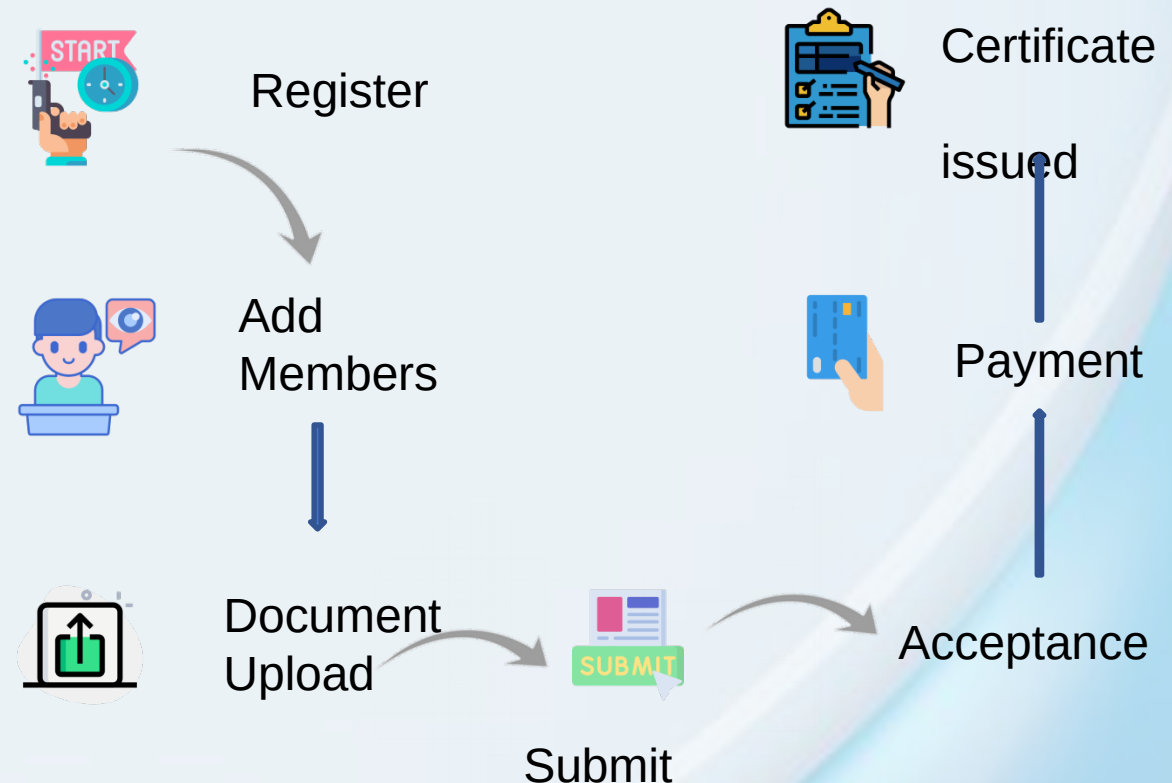
IVFRT – Immigration, Visa, Foreigners Registration & Tracking

In view of the increased threat of international crime and global terrorism, Ministry of Home Affairs (MHA) and Ministry of External Affairs (MEA) with the technical support of NIC implemented IVFRT System to safeguard National Security.

IVFRT automated all processes related to Immigration, Visa, Foreign Aid, and Registration & Tracking in order to facilitate legitimate travellers without compromising national security, individual rights and privacy concerns. Scope of the project includes 180 Missions, 86 ICPs (Immigration Check Posts), 13 FRROs (Foreigners Regional Registration Offices), and over 674 FROs (Foreigners Registration Offices) in the State Headquarters /Districts.

Immigration Control System

eFRRO

eVisa

UCF

Online C Form

PRC

Online S Form

31
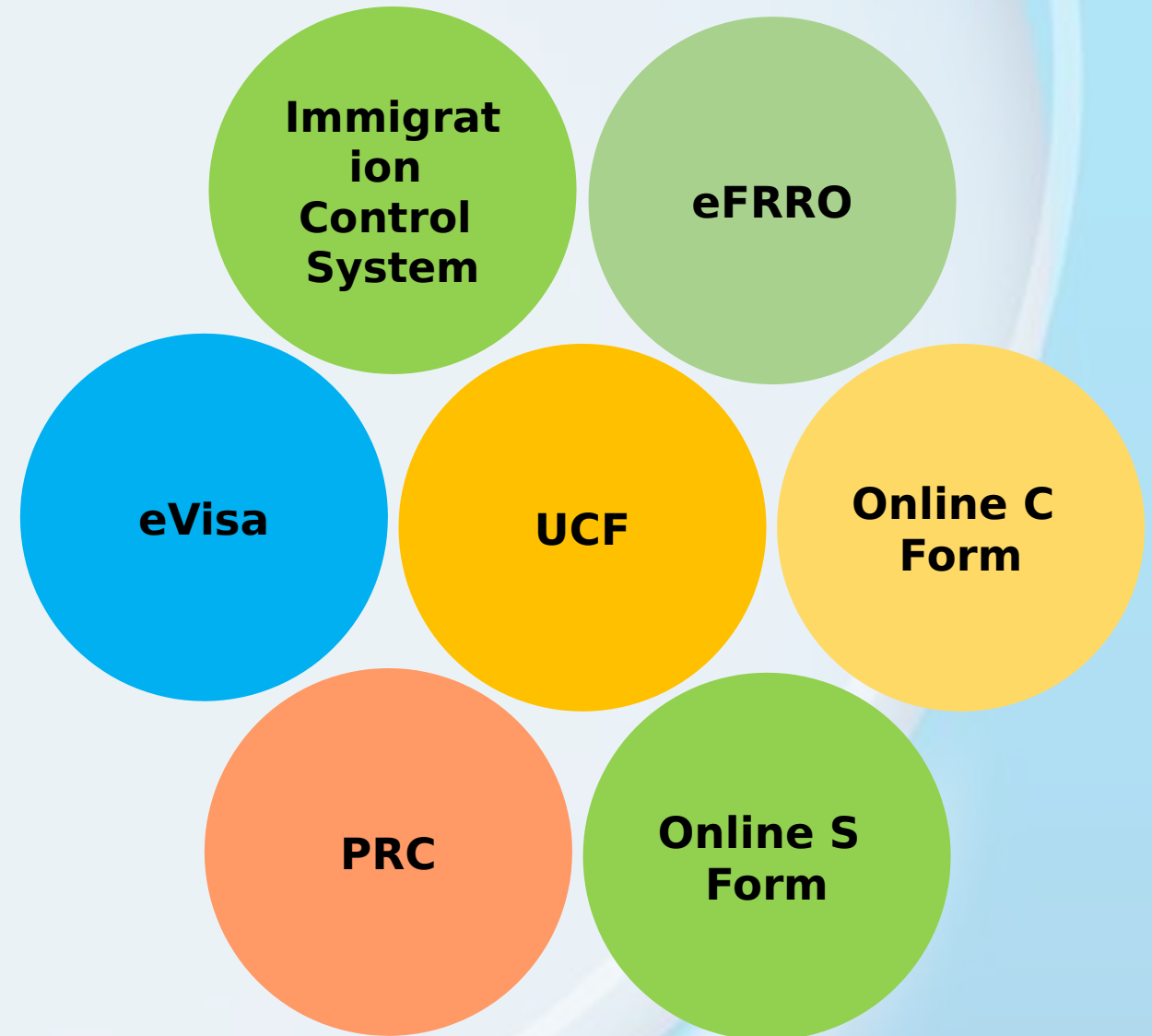
ICJS – Interoperable Criminal Justice System

The main objective of ICJS Project is to facilitate immediate retrieval of information related with any of the accuse throughout India. This is achieved due to interlinking the data exchange among the Courts, Police, Prosecution, Forensic, IVFRT, Prison, Driving License, Vehicle Registration, Juvenile Justice , Finger Print Bureau.

Forensic

Police

Court

Prosecution

Prison

IVFRT

NIA
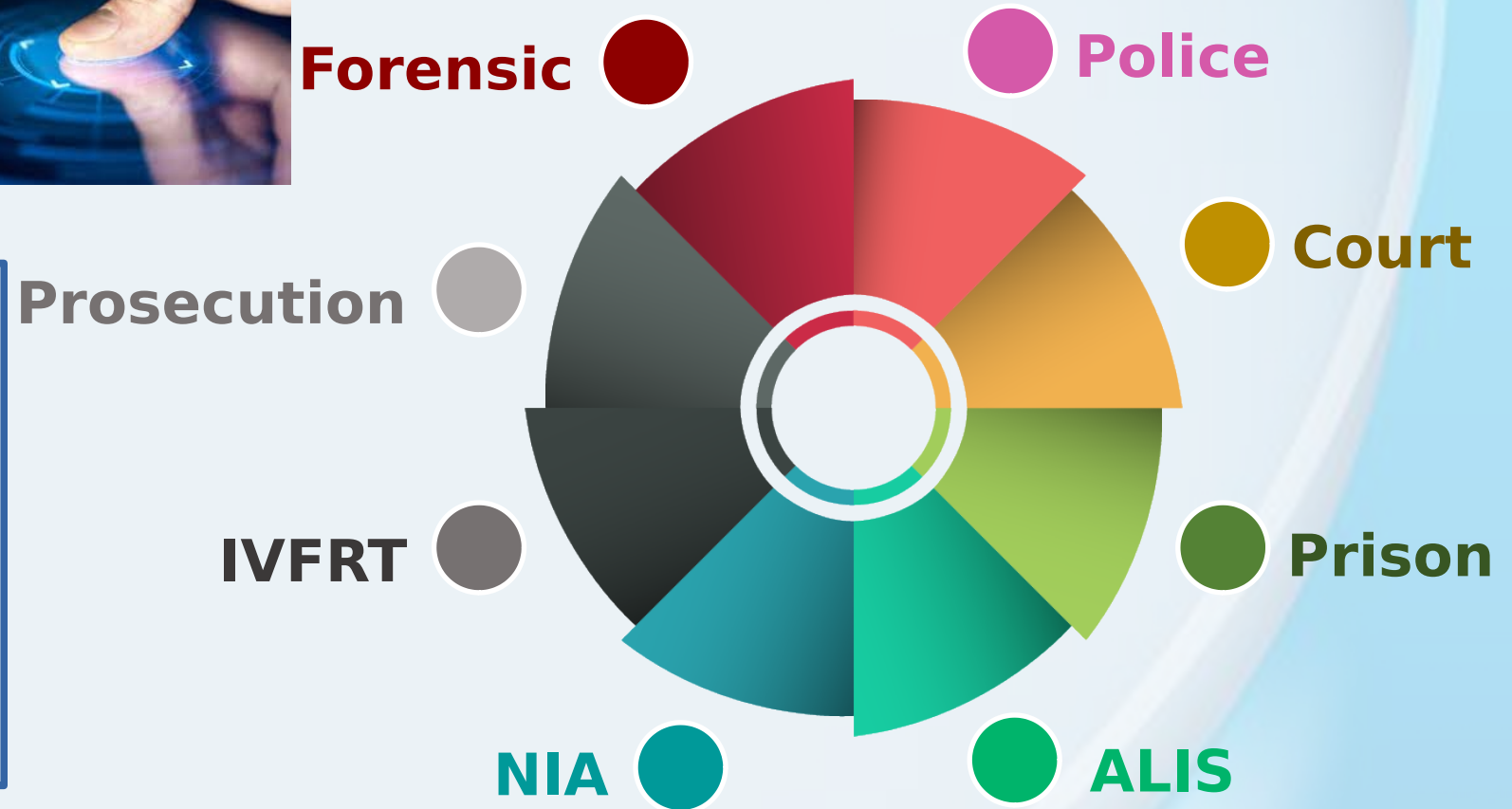
ALIS

e-Prison

ePrison is a centralized application for management of Prison activities in India.

This application is implemented in Goa since February 2020. The application is implemented at Prison HQ and Colvale Central Prison Goa

ALIS – Arms License Issuance System

ALIS is an online system initiated by Ministry of Home Affairs (MHA) for issuing various Arms License related services. The system provides services for Individual, Institution, Sports and Arms Dealers categories of applicants.

The UIN (Unique Identification Number) generated by the system enables unique identification of Arms license holder in India.

The system is implemented at District Collectorates and Home Department Secretariat Goa.

Arms license categories

Individual

Sports

Institutions

Dealers
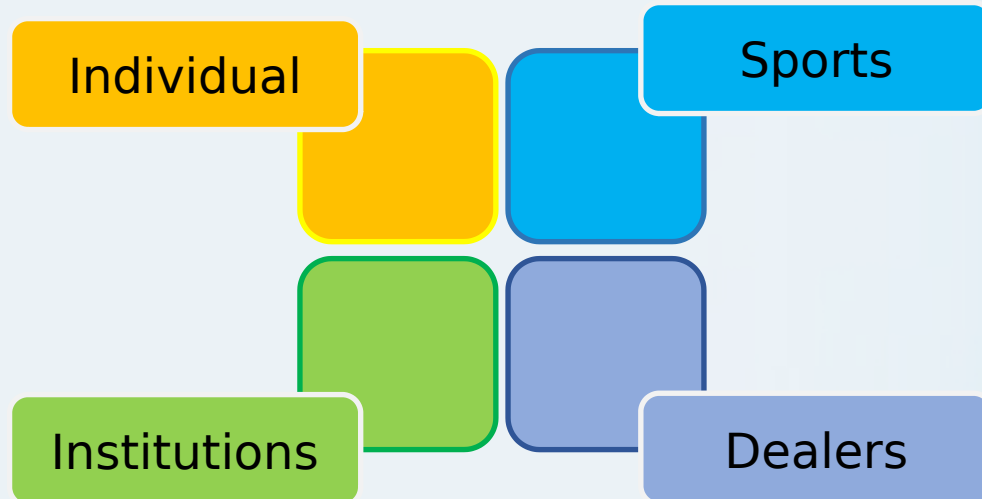
Online Indian Citizenship

Online Indian Citizenship application is an application facilitates submission of Indian Citizenship applications by the public, acceptance of applications, verification of documents uploaded by the applicants, forwarding to concerned government departments, forwarding for police / security verifications, maintenance of checklist for the application and service granting.

Applicant

District Collectorate

Security Agencies

State Government

MHA

eSanad

e-Sanad an initiative of Ministry of External Affairs for on-line Attestation and Apostile of Documents for using the document abroad.

RPO will verify the documents and the document will be attested / apostiled as per the service requested by the applicant. Once the documents are verified, the verification details will be updated in the on-line e-Register portal.

Applicant

Document for apostile / attestation

Attestation agencies

RPO Goa

Apostiled / attested document

Case Information System HC 1.0

Case Information System is a work flow based complete MIS for the High Court of Bombay at Goa. Core Application developed centrally for filing, registration, case proceedings and disposal. Additional pheripery modules developed locally in Goa. Litigants and lawyers can get the Case Status, Daily orders, Causelist and Judgments through the portal **https://ecourts.gov,n**.

Salient Features
- **Digital display board for current serial numbers of the case for each court hall**
- **Online Court Fee Payment**
- **Availability of Case Status, Causelist, Daily Orders and Judgments**
- **eMail Alerts for all the work flow**
- **SMS Alerts for all the work flow including the court proceedings.**

HC CIS 1.0 Work Flow

Case Information System

Lawyer

Filing and Registration

Filing and Scrutiny
- Filing of the cases.
- Scrutiny of the case file.
- Notifying the Defects/Objections
- Rectifying the Defects/Objections

Case Registration
- Registration of case after removal objection
- Sending the case file to board section after the coram entry

Board Preparation
- Assign the Date as per the subject.
- Add the Stage. Generate the Regular board
- Or Supplementary according to allocation

Case Proceedings and Disposal
- Case proceedings updated.
- Orders Updated.
- If adjourned then send it back Board section else dispose the record.
- If disposed then send it post disposal section to prepare decree

Lawyer

Post Disposal Section and Record Section
- Preparation of Decree
- Sending the Judgment/Order to the Lower Court for directions.
- Sending the Case file to Record Room.
- Sending the Judgments and orders to Record Section for Certified Copy issual.

Judge

Case Information System NC Core 3.0
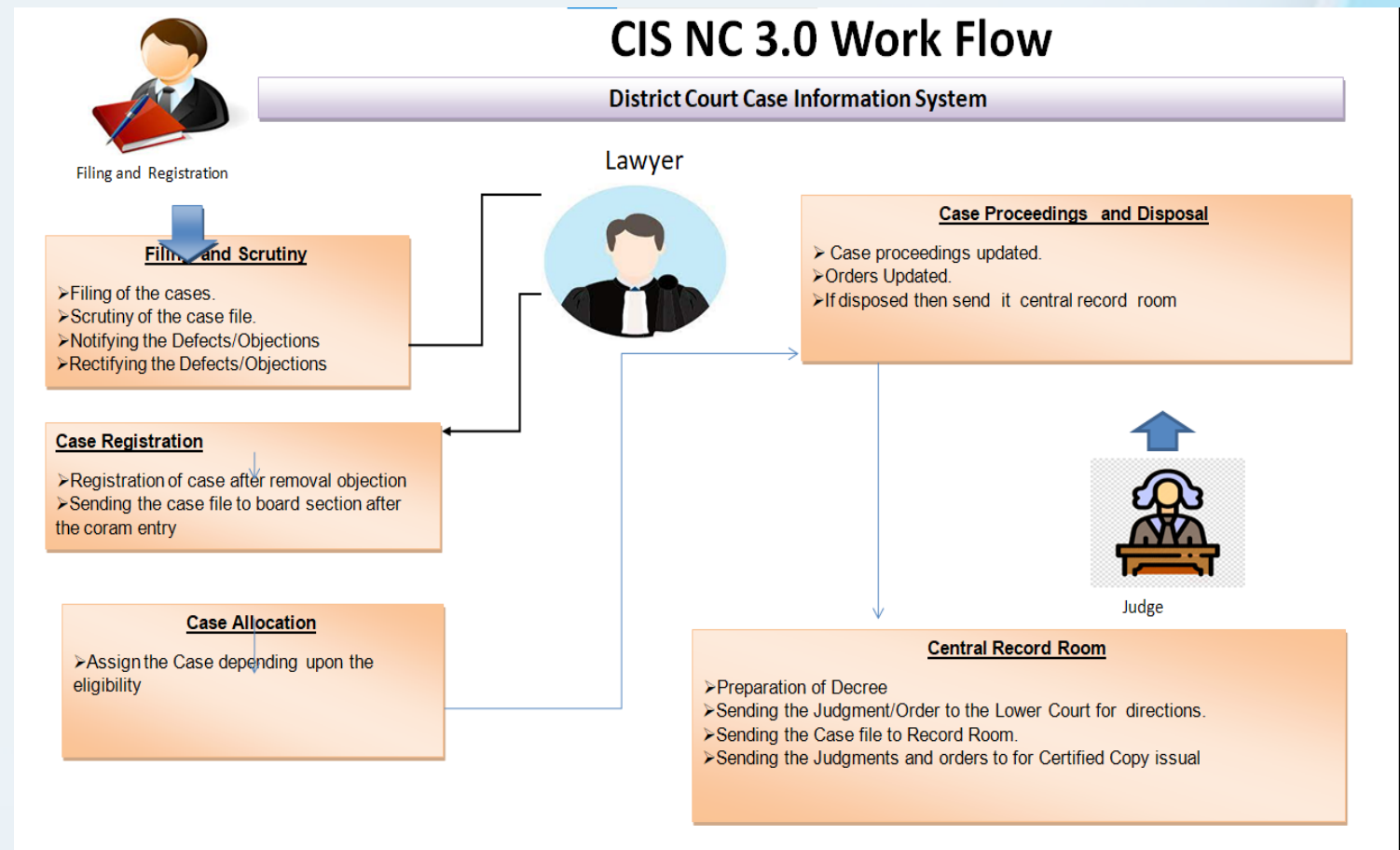
Case Information System is a work flow based complete MIS for the District and Subordinate Courts of Goa. Application developed centrally for filing, registration, case proceedings and disposal. It is a Mission Mode Project by the Department of Justice from GOI. Litigants and lawyers can get the Case Status, Daily orders, Causelist and Judgments through the portal https://ecourts.gov,n.

Salient Features

- **Digital display board for current serial numbers of the case for each court hall**
- **Online Court Fee Payment**
- **Availability of Case Status, Causelist, Daily Orders and Judgments**
- **eMail Alerts for all the work flow**
- **SMS Alerts for all the work flow including the court proceedings.**

CIS NC 3.0 Work Flow

District Court Case Information System

Filing and Registration

Lawyer

Filing and Scrutiny
- Filing of the cases.
- Scrutiny of the case file.
- Notifying the Defects/Objections
- Rectifying the Defects/Objections

Case Registration
- Registration of case after removal objection
- Sending the case file to board section after the coram entry

Case Allocation
- Assign the Case depending upon the eligibility

Case Proceedings and Disposal
- Case proceedings updated.
- Orders Updated.
- If disposed then send it central record room

Judge

Central Record Room
- Preparation of Decree
- Sending the Judgment/Order to the Lower Court for directions.
- Sending the Case file to Record Room.
- Sending the Judgments and orders to for Certified Copy issual
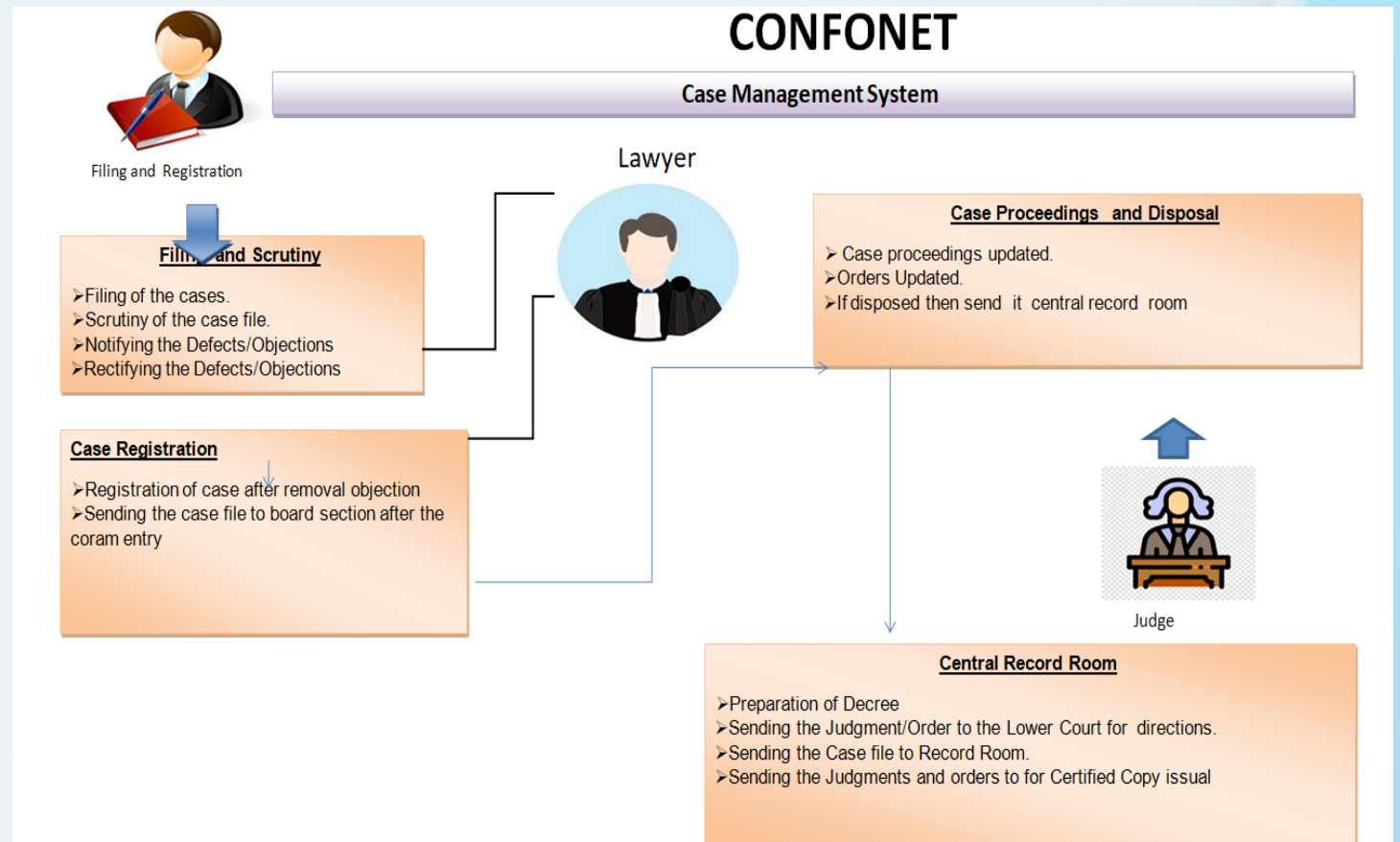
एनआईसी
National Informatics Centre

CONFONET

Case Management System is developed centrally and it is a work flow based complete MIS for the Goa State Commission and Consumer forums in the State of Goa. Application developed centrally for filing, registration, case proceedings and disposal. It is a Mission Mode Project by the Department of Consumer Affairs Justice from GOI. Litigants and lawyers can get the Case Status, Daily orders, Causelist and Judgments through the portal https://confonet.nic.in.

Salient Features
- **Digital display board for current serial numbers of the case for each court hall**
- **Online Court Fee Payment**
- **Availability of Case Status, Causelist, Daily Orders and Judgments**
- **eMail Alerts for all the work flow**
- **SMS Alerts for all the work flow including the court proceedings.**

CONFONET

Case Management System

Filing and Registration

Filing and Scrutiny
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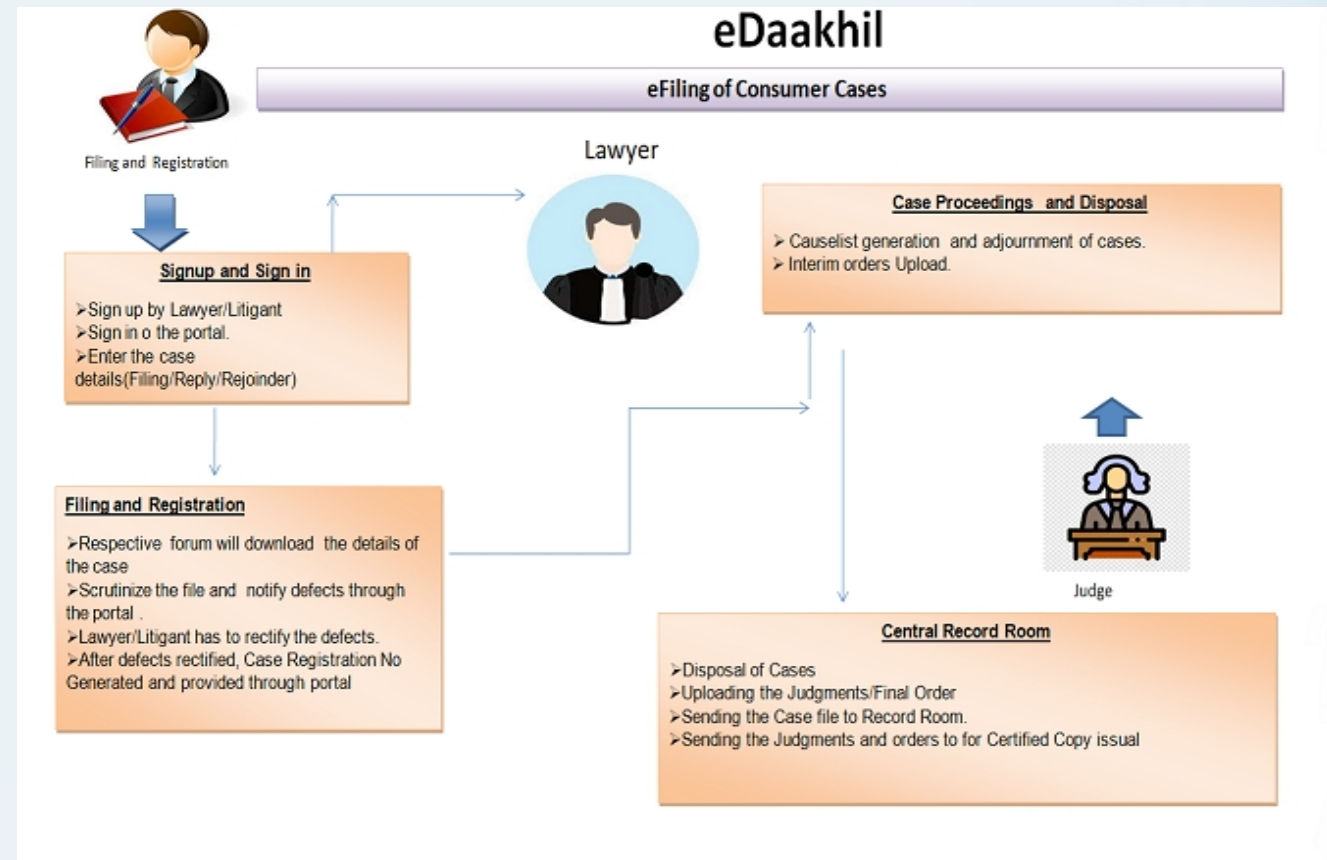
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eDaakhil for Consumer Forums

eDaakhil is for efiling of consumer cases developed centrally and it is linked with Case Management System at the back end. Once case is filed by the Litigant/Lawyers, back end is alerted by eMail. Goa State Commission or respective Consumer forum can download the data , verify and approve. Once approved, registration no is given to the complainant. Similarly Rejoinder/Reply can be filed online. https://edaakhil.gov.in

Salient Features
- **Filiing the Cases , Rejoinder and reply through online.**
- **Status of the filing.**
- **Defects notified through online.**
- **eMail Alerts for all the work flow**
- **SMS Alerts for all the work flow including the court proceedings.**

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Thank You!