NIC Lakshadweep

State Profile

Initiatives & Activities of NIC Lakshadweep

NIC Lakshadweep

NIC Lakshadweep

District Unit Kochi

District Unit Minicoy

District Unit Kavaratti

13 NIC Staff

10 FMS

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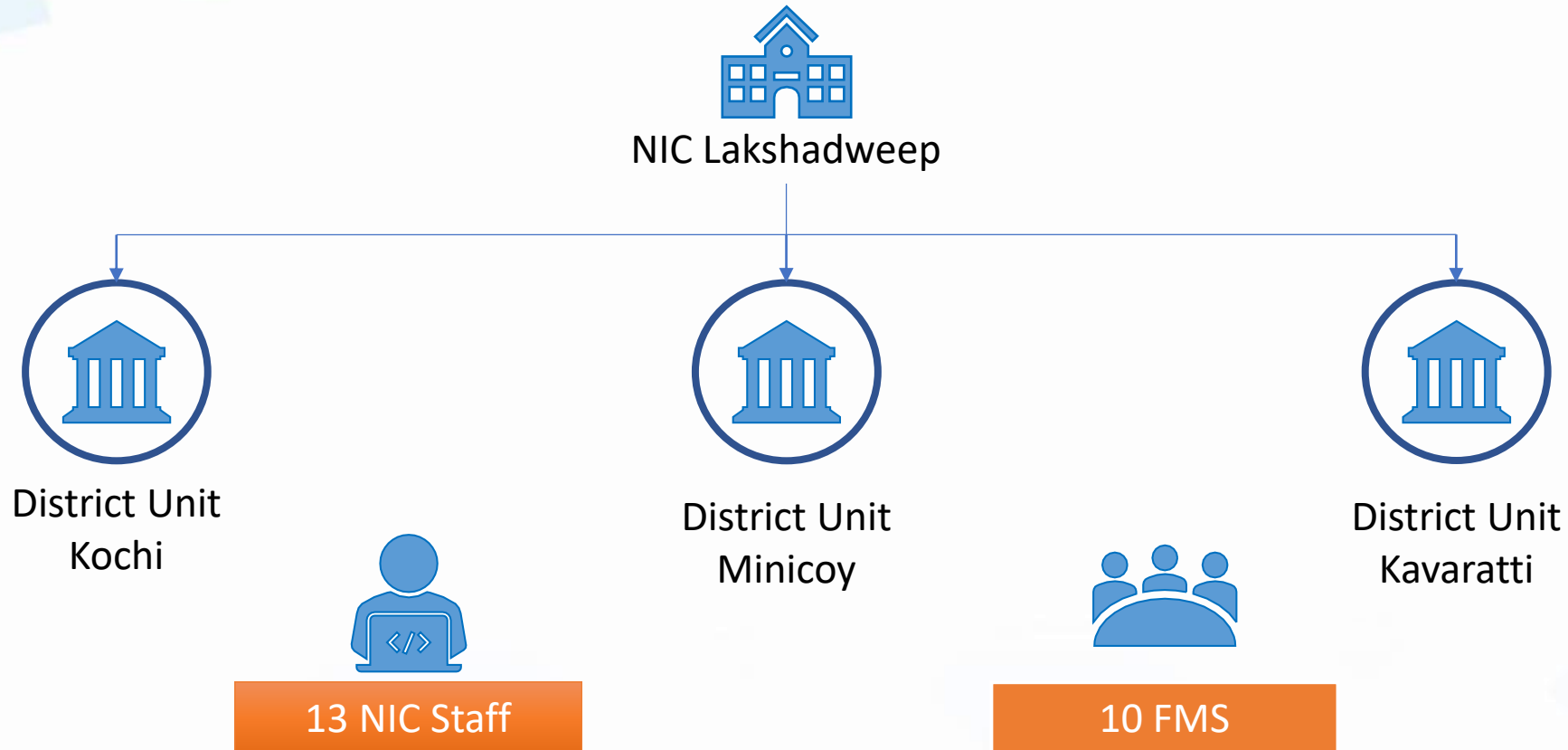
Key Areas

Network Infrastructure

NKN, NICNET Extension to SWAN

Video Conferencing

Codec Based Studios, Bharath VC

Email and VPN Support

For administration employees
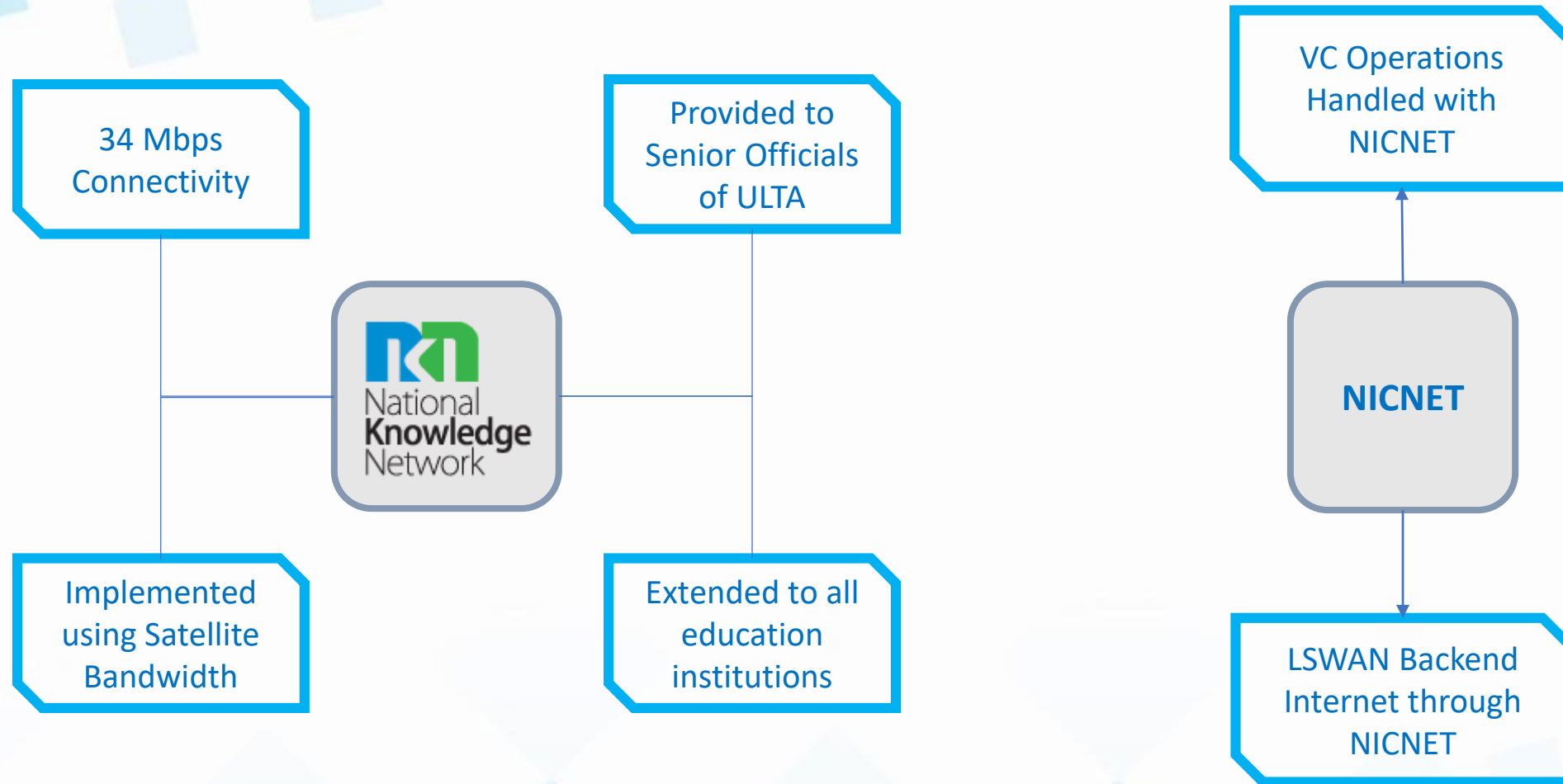
Data Center Operations

LSDC Management, Cloud Hosting

Cyber Security

Antivirus and Cyber Security Monitoring

Software Projects

Application Development and Implementation Support

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Network Infrastructure

34 Mbps Connectivity

Provided to Senior Officials of ULTA

VC Operations Handled with NICNET

National Knowledge Network

NICNET

Implemented using Satellite Bandwidth

Extended to all education institutions

LSWAN Backend Internet through NICNET

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Video Conferencing

5

VC Studios

Codec Based and Web Based Solutions

PMO VC and Pragathi VCs

Ministry Level and UT Level Conferences

Advisor VC with DC's & SDO's

FCS VC

Health All Island VC

MHA VC

PM Covid 19 VC

CAB Secratary VC

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Email and VPN

@gov.in

eForms
FORMS FOR NIC SERVICE

Delegated Admin for UTL Email Accounts

Support for 2nd Factor email Authentication with Kavach

Support for VPN Creation

eForms Approval for Various services

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Data Center Operations

LSDC Composite Team

Management of Cloud Servers on Various Projects

Application hosting support in LSDC

Security Auditing Support and Server Management

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Cyber Security
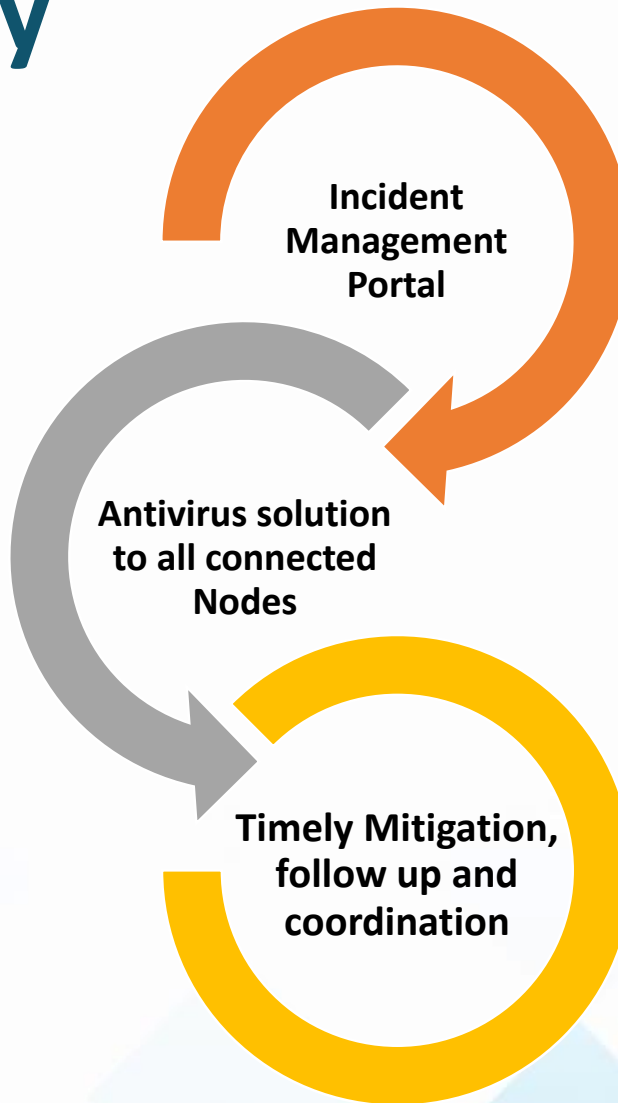
List of Major State Projects

1. SPORTS Tourist Package Booking System
2. WebStar - Ship Ticketing & Helicopter Ticketing System
3. NLRMP - LR software, CollabLand, Bhunaksha
4. POWERLAC EBCMS & Consumer Portal
5. LCMF – GST Billing and Inventory Management System
6. eDistrict Lakshadweep
7. Smart City - GIS
8. eCounselling for Higher Education
9. Power Generation and Distribution Management System
10. eStore - Fisheries, Port, Electricity
11. SchoolSuite
12. Pandemic Management Applications
13. DiElEd Admission Counselling
14. Entry Permit System
15. e-Recruitment
16. EverAlert
17. Official Website for Lakshadweep
18. Institutional Quarantine Management System
19. Online Payroll / Personnel (Lakshadweep)
20. PWD Project Monitoring System
21. Lakshadweep Ship Travel Card
22. PEARL - Online Registration Software
23. Lakshadweep Guest House Management System
24. Court Case Management System
25. Lakshadweep Project Monitoring System
26. LANDIDS Site

Central Projects Coordinated & Implemented

1. National Social Assistance Program
2. Pradhaan Manthri Awas Yojana
3. MGNREGA
4. Jeevan Pramaan
5. Biometric Attendance System
6. Pradhan Manthri Mathru Vandana Yojana (PMVVY)
7. BHAVISHYA
8. SPARROW
9. WAQF Board Computerisation
10. PFMS
11. IVFRT
12. IGMSY
13. India Code Portal
14. Scheme for Adolescent Girls-RRS
15. PRAGATHI
16. MPLADS
17. ICJS
18. LG Directory
19. PMKISAN
20. DBT
21. National Scholarship Portal
22. eDaakhil Consumer Commission Online Application Portal

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List of Department Portals Developed

1. Department of Food and Civil Supplies
2. National Health Mission
3. Sports and Youth Affairs Dept
4. Environment and Forest Department
5. Education department
6. Lakshadweep Disaster Management Authority
7. Lakshadweep Pollution Control Committee
8. Public Works Department
9. Mid Day Meals Portal
10. Minicoy Island Portal
11. Minicoy Fest Portal
12. Lakshadweep Police Portal
13. Kavaratti Smart City Limited Portal (KSCL)
14. National Food Security Portal
15. Lakshadweep Disaster Management Authority Portal (LDMA)
16. Website for CEO Lakshadweep
17. Jawahar Navodaya Vidayalaya Minicoy

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List of Mobile Applications

1. LAKSHIP SERVICES

2. POWERLAC Android Application

3. Course/College App

4. Ship Tracking App

5. Meter Reader App

6. Swachh Kavaratti

Major Projects for Lakshadweep UT

WebStar
Online Ship ticketing Reservation System

Major Functionalities:

- Online Ticketing/Cargo Ticketing, Status of Ticket, Ticket fare
- Any counter any Destination travel ticket (13 Counters)
- Emergency Quota Management, Financial Accounting
- Android Application for Real time schedule and vacancy
- SMS Notification on boarding time
- SMS based ticket Cancellation
- New Module for Helicopter Ticketing integrated
- MIS Reports
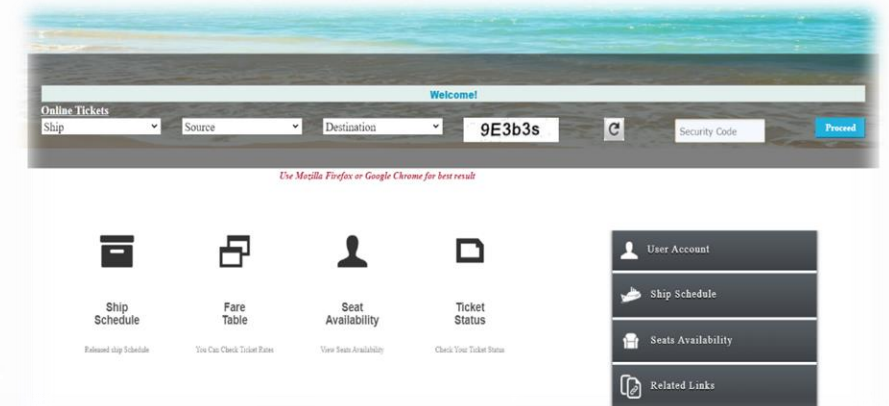
Samudram
Tourist Booking System -Package tours & Resorts

Major Functionalities:

- Online Tourist Booking System with Payment Gateway

- Booking of Ship Packages and Resort Packages

- Travel Agent Module

- Download Invoices, Entry permits and LTC Certificates

- Travel Agent Management

- Financial Accounting

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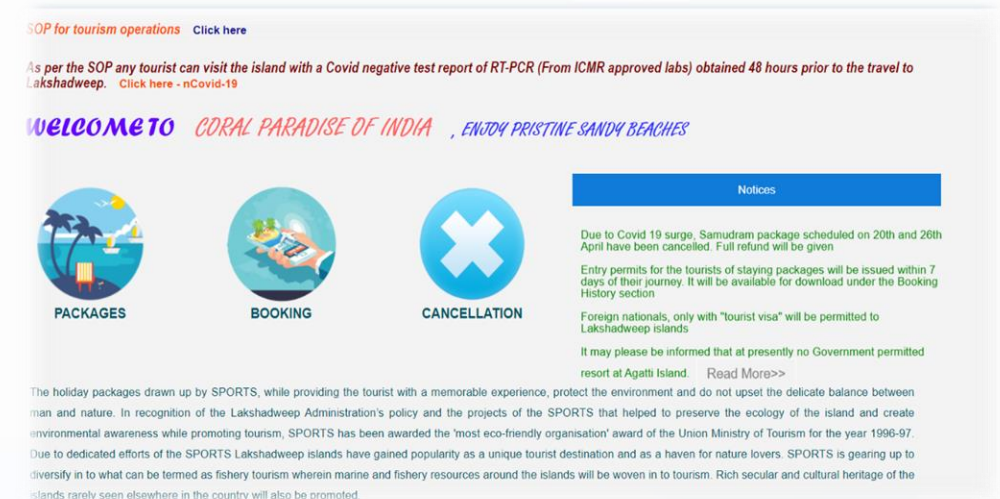
PowerLAK

Online Consumer Management System for Electricity Dept

Major Functionalities:

- Total Solution for Consumer Management in Electricity Department
- Energy- Billing and Consumer Management System
- Electricity Services in a single portal
  - Online Billing, Online Payment
  - Online Application for New Connection/Disconnection/Load/Owner changes
  - Consumer complaints
  - Near to 25000 bills generated every month
  - Introduced Bharath Bill Payment System
- Back Office activities of Department
  - Disconnection notices, Surprise Inspection Management
  - Finance management, Audit Reports
  - Cash Books , Transaction Logs
  - PFMS collection introduced in Jan 2019
  - Digital payment 30% of the total bills ,through mobile & website
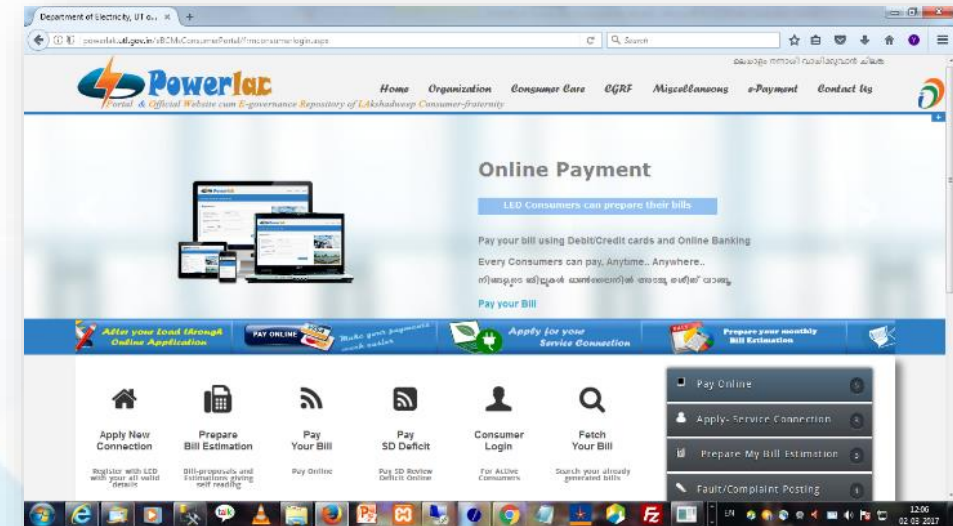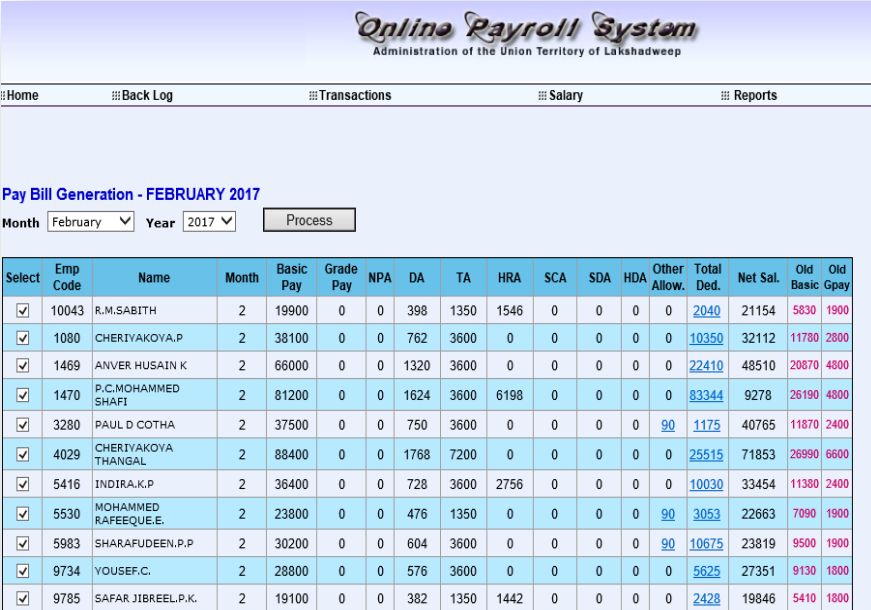
E-Payroll & E-Personal
Salary Processing and HR Software

Major Functionalities:

- Complete personnel and payroll system for UT of Lakshadweep Administration.

- Implemented in 40 Offices

- Pay bill processing of employees

- Increment process, Bonus calculation

- Advance management

- MIS-Reports

- All employees of Electricity and Education are using this application

e-Store

Online Inventory and Store Management System

Major Functionalities:

- Indent management of department stores

- Supply order Generation, Online stock transfer of items, Indent

- Packing/Dispatching/Transportation

- Stock Entry/Sales/Damage

- Cash Book Management

- Re-order level Management

- All store are connected with SWAN/NICNET

- Implemented in **Electricity, Fisheries, Port** customized as per department requirements

ePDS
Public Distribution System of Lakshadweep

Major Functionalities:

- Application hosted in NDC & customized for UTL
- Digitized all ration cards
- Issue, member, Addition, Deletion, transfer etc
- Printed ration card under NFSA
- Aadhaar Seeding , Bank Accounts seeding
- Head of the family photo capturing
- Supply chain management
- POS device installed for Ration shops sales management
- Public grievance portal Developed and Hosted
- Transparency Portal Developed and Hosted.
- One Nation One Ration Card Implemented in Lakshadweep
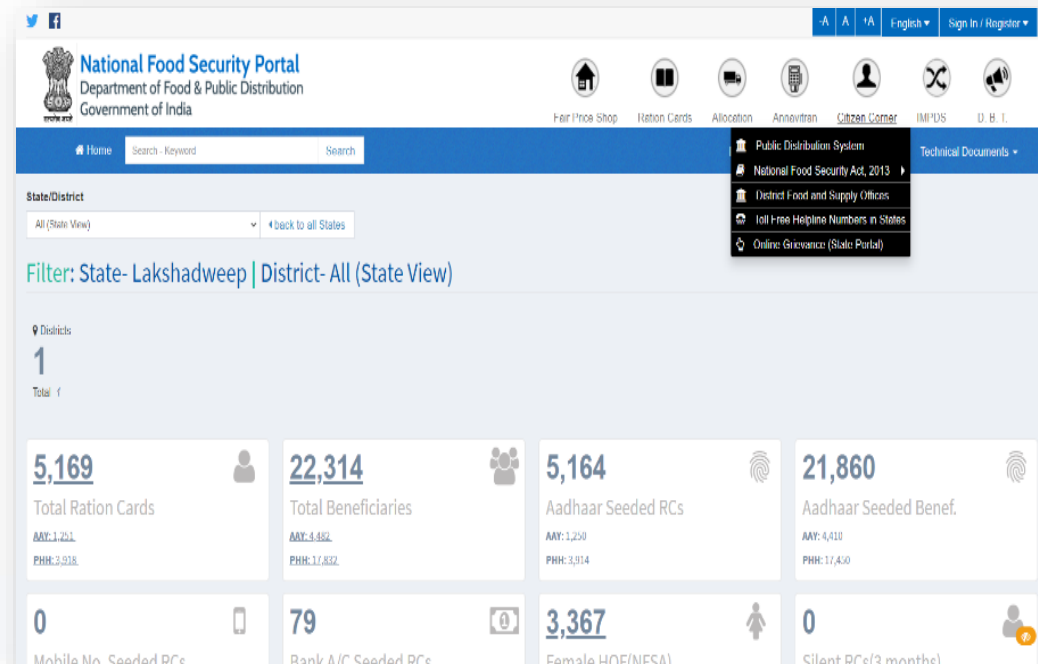
School-Suite

Academic, HR and Infra Management System for Schools

Major Functionalities:

A comprehensive suite to manage all activities of school including

- Create a database of Schools, Students, teachers, School Infrastructure
- Admission management
- Attendance management
- Academic management
- Communication Management for all schools
- Publication platform for schools
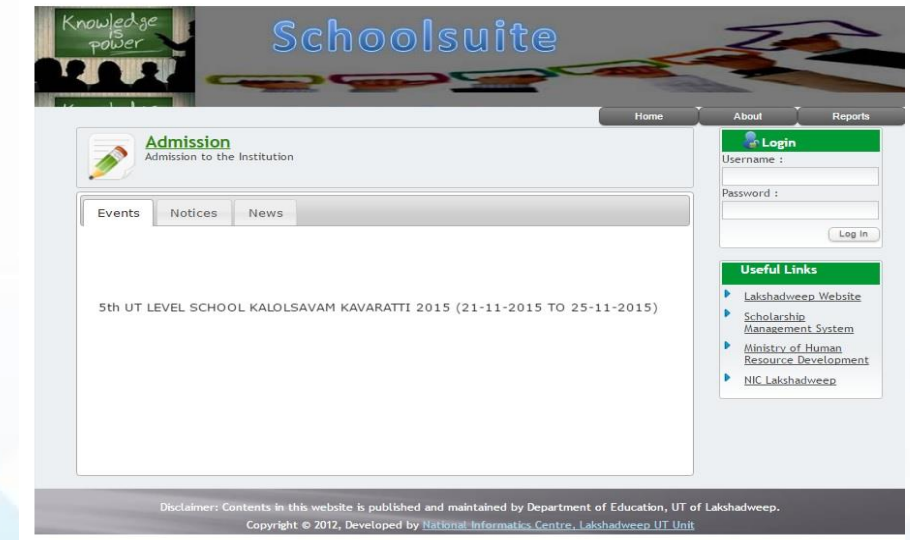
eDistrict
Mission mode Project under NeGP

Major Functionalities:

- To make 29 service online

- More than 20 services has existing online applications available

- Services of Revenue Department rolled out in Service Plus Platform

  as pilot implementation

- End to End configurable workflow

- Portal for integrated services of eDistrict developed

- Revenue Department Services Rolled out in islands and certificates

  are issued through this

Lakshadweep Website
Official Website of Lakshadweep Administration

Major Functionalities:

- Re-Designed the site on S3WAS Framework

- Completely following GIGW(Government of India Guidelines for Websites)

- Certified Accessible Website by STQC

- Unified open source technology

- Responsive design for Multiple Device Support

- Regular updation and content uploading

- User accounts provided to all major departments for uploading contents

- Extensively used during the pandemic for mitigation steps

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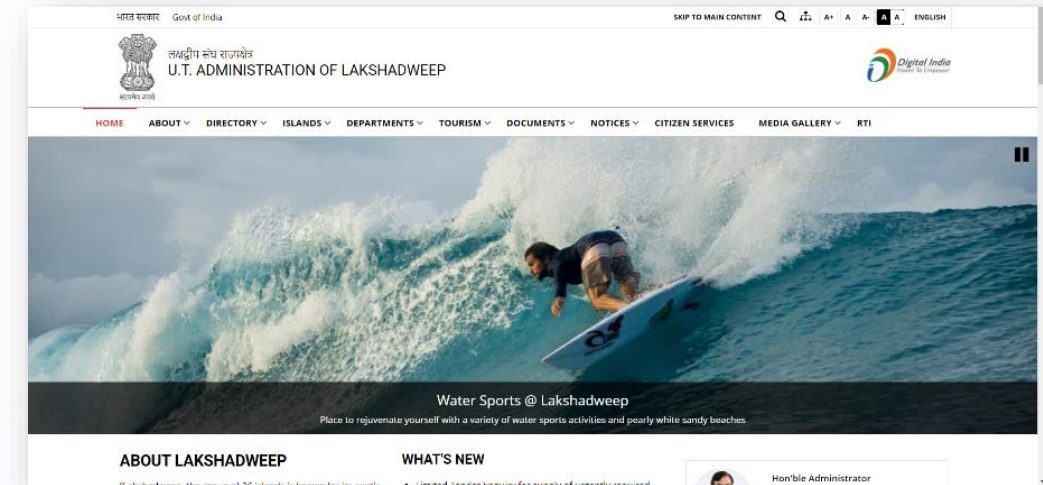
LQMS
Lakshadweep Quarantine Management System

Major Functionalities:

- Institutional quarantine management system for Lakshadweep Administration

- Applicant registration

- Quarantine Facility Allotment

- Realtime Status of Rooms

- Quarantine intimation order

- Module for Institution Activity Management, Medical Module for Test Details Entry

- Travel Module for Conveyance and Ship Scheduling Entry

- Billing Module for Paid Quarantine Cases

LGHMS

Lakshadweep Guest House Management System

Major Functionalities:

- A software for online booking of Guest Houses under Lakshadweep Administration.

- Online Booking, Status Checking Modules for Public

- Department Module for Allocation of Rooms

- Guest House Manger Module for Check-in, Checkout, Room Shift etc.

- Restaurant Manager Module for Restaurant Billing and Accounting

- Provided training to the officials

- Site Hosted in SDC Lakshadweep

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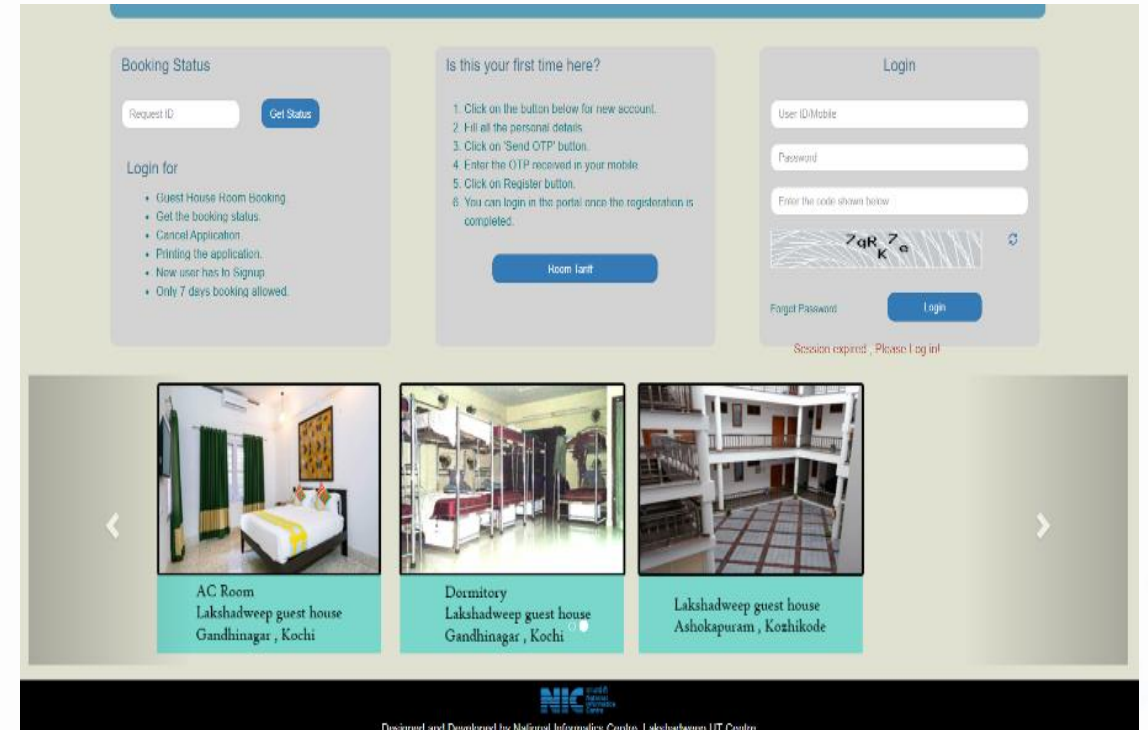
eHospital
Online Hospital Management Information System

Major Functionalities:

- End to End Workflow based Application developed by NIC customized for Lakshadweep

- Connects Patients Hospitals and Doctors under a single platform

- Hospital Management System successfully running in IGH Kavaratti

- Registration and Clinic module is effectively used

- Software is installed in local server
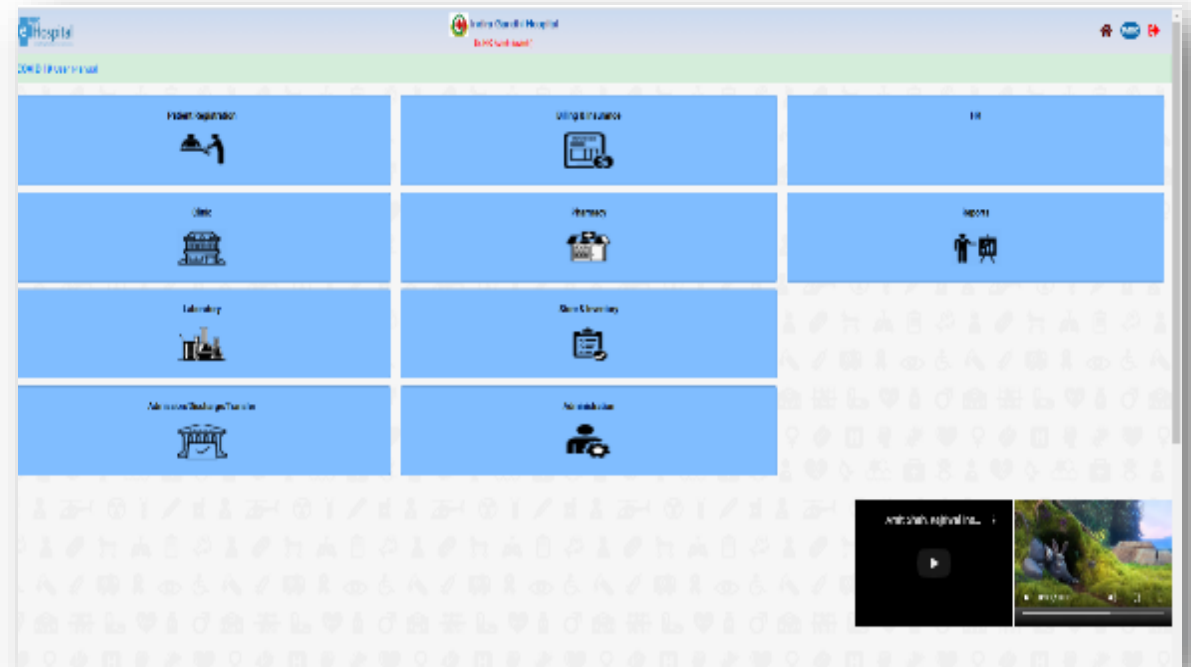
SmartCity Kavaratti
Online Hospital Management Information System

Major Functionalities:

- GPS devices with high accuracy for capturing GPS coordinate data.

- Mobile app developed for capturing data and uploading data to server with utility photographs.

- Developed GIS portal for Smart City Kavaratti.

- Purchased high resolution satellite imagery for resource

- Created various resource layers for mapping data

- Interactive Website developed for Kavaratti Smart City Ltd

- Mobile Application for Smart Dust Bin Management
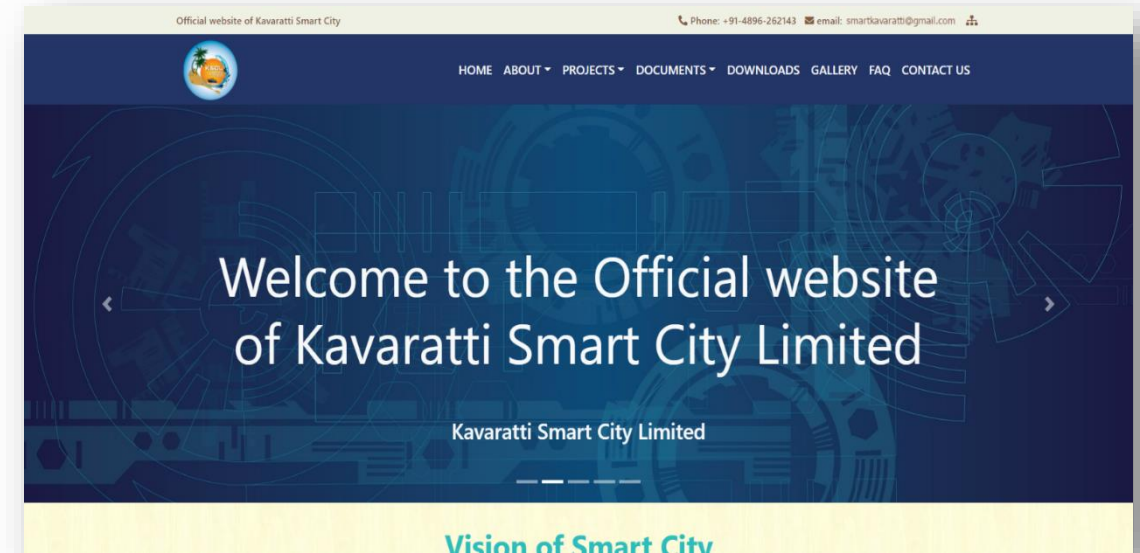
GST Billing and Inventory LCMF

Complete digitization of LCMF Billing and Inventory

Major Functionalities:

Total egov solution for procurement and supply chain system for Lakshadweep Consumer Marketing Federation & Primary Societies

- Annual requisition from societies

- Purchase management from LCMF

- Sales to societies from LCMF

- Packing and dispatching of items

- Sales from societies

- Generation of GST return etc.
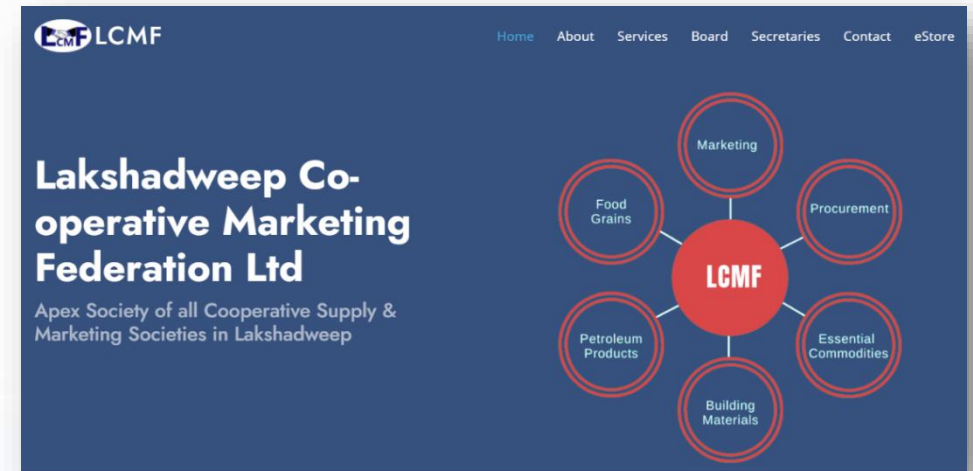
Pandemic Management Tools
Covid-19 Pandemic Management Services

Major Functionalities:

- Rapid Application developed for Administrator's Disaster Relief Fund and hosted online with ePayment and e-Acknowledgement Features

- ePass System for permitting conveyance outside Lakshadweep Islands during the Pandemic

- Stranded Person Registration System for bringing in Stranded natives of Lakshadweep who were outstation during the Pandemic

- Developed Solutions in Service Plus Platform of NIC

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Covid Management Facility Portal

Medical Facilities available across hospitals in Lakshadweep

Major Functionalities:

- Customized solution from NIC Dadra Nagar and Haveli

- Additional Modules as required by health department added for stock of medicines and test kits

- Patient treatment Modules

- MIS Reports

LPMS
Lakshadweep Project Monitoring System

Major Functionalities:

- Scheme Monitoring for all departments

- Monitoring of funds spent on various schemes by planning department

- Scheme wise expenditure report

- Physical Progress and Financial Progress Entry

- Documentary proof upload facility for monthly expenditure

- Fund Utilization Report

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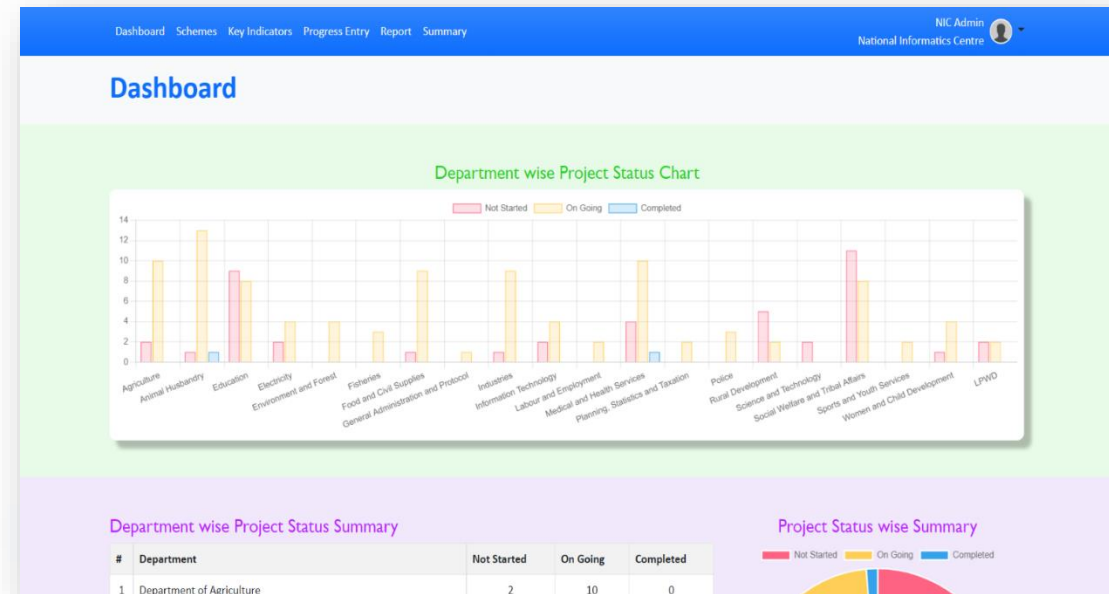
CCMS
Lakshadweep Court Case Monitoring System

Major Functionalities:

- Application Customized from NIC Daman

- Master Entries of All departments and Courts in Lakshadweep Made

- Details of various department cases can be entered

- MIS Reports

- Direct entry of cases by department users

- Reminder System and Dashboard for upcoming cases in various courts
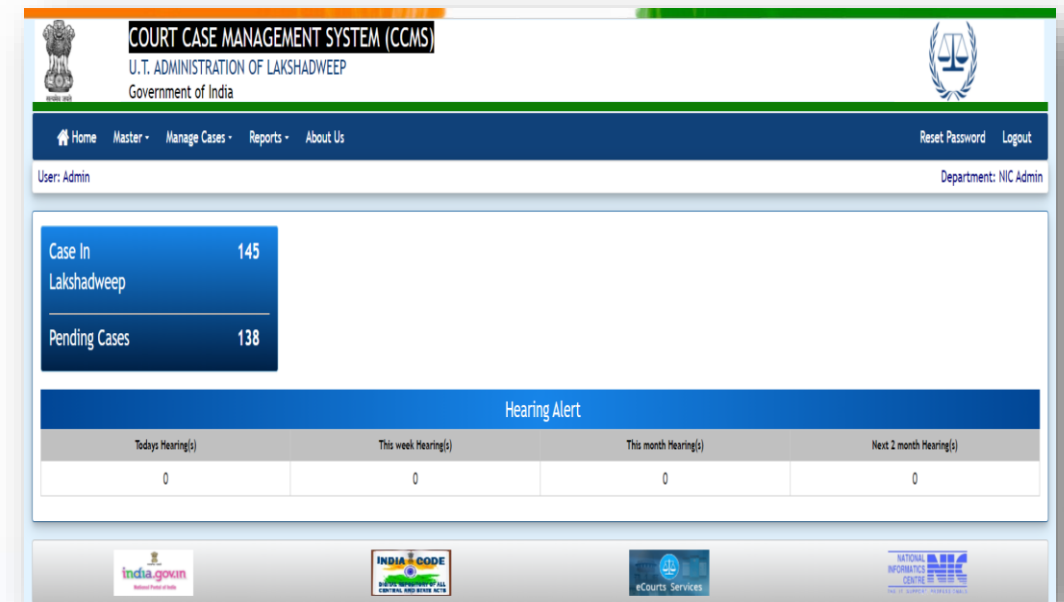
LANIDS-2018

Lakshadweep- Andaman & Nicobar Industrial Development Scheme

Major Functionalities:

- Application instance created from Andaman

- The interested entrepreneurs can apply for financial aid under the scheme

- Applicant registration Online

- Approval by Ministry of Finance

- Realtime Status Tracking

- Application getting implemented in Lakshadweep

- MIS Reports Available

eCounselling
Seat Allotment Application for Higher Studies
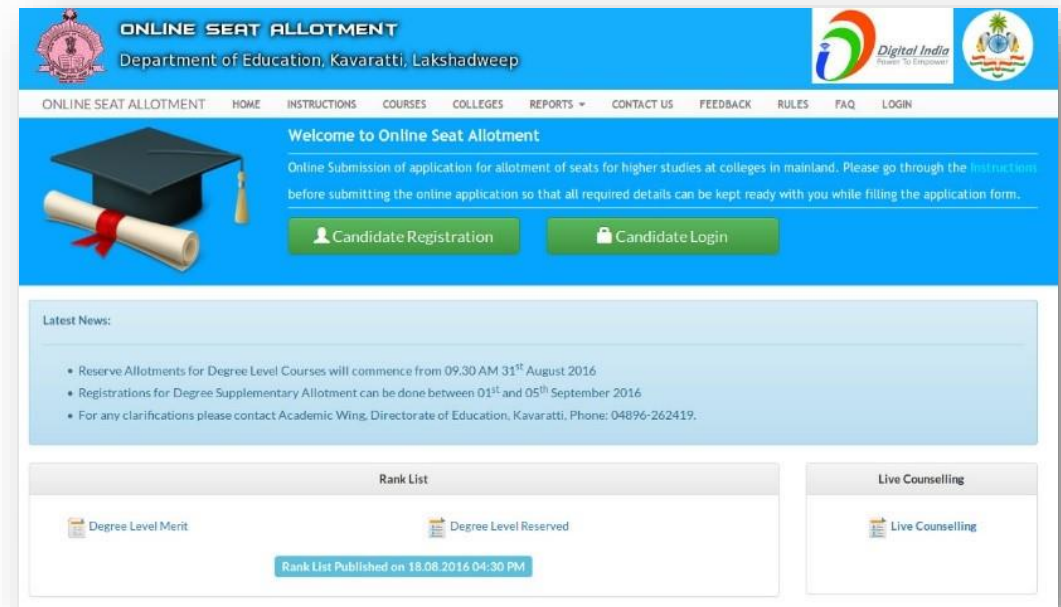
Major Functionalities:

- Online Counselling portal for student community of Lakshadweep for
  Degree, Post Graduation, Diploma, Engineering Aspirants
- Allotment for 614 Courses in 404 Colleges
- Transparent, Accountable
- More Academic Days for the Candidates
- Online Registration, Verification, Rank List Preparation,
- Online Selection Letter, Sponsoring Letter
- End to End Digitized Process Flow
- Counselling centre in all islands and Kochi officer
- Information exchange through SMS and Email
- Issue of allotment letter, issue of sponsoring letter
- Re-Allotment Process of vacant seats
- Started from 2015

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eOffice Lakshadweep
Digital Workplace Experience

Major Functionalities:

Electronic file flow management system for paper less office

- Implementation started in April 2017 with four departments.

- Local Data Centre is setup in Kavaratti in LSWAN network.

- Secondary LDAP is also setup in LDC to speed up authentication.

- Now more than 500 active users

- Timely upgrading the applications to latest versions

- Server level Backup as external backup solutions are unavailable

- Support to Digital signature

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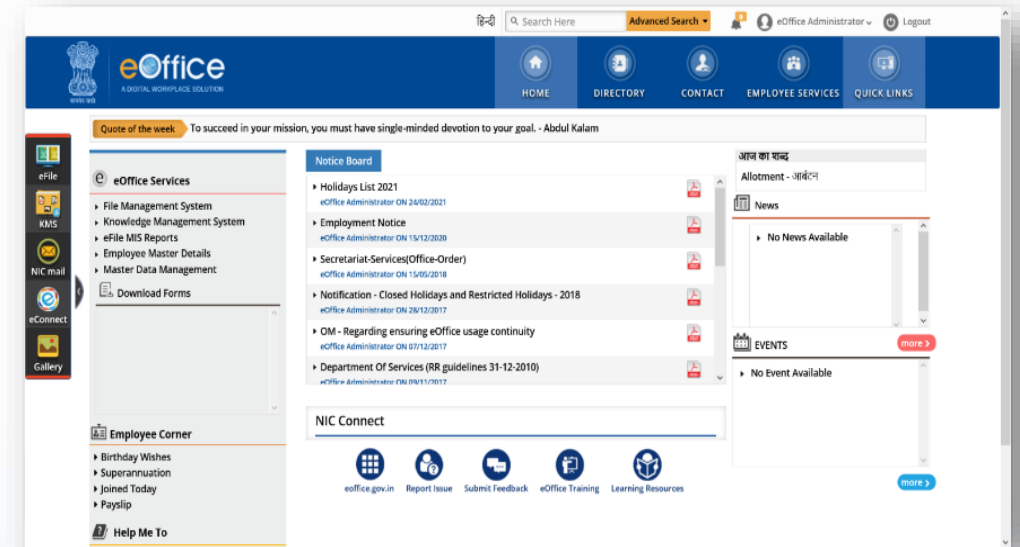
PGDMS
Power Generation and Distribution Management System

Major Functionalities:

Web based Application running in all power Houses to monitor and manage functioning of

power Generators and Solar Plants of Lakshadweep

- Generator Health Status collection

- Fuel /oil usage status

- Engine running Status

- Energy generated Status

- Engine Maintenance Status

- MIS Reports for Engineers

GePNIC
Government eProcurement System from NIC

Major Functionalities:

Tendering / procurement activities of the Government department and organization, customized for Lakshadweep and hosted in NDC
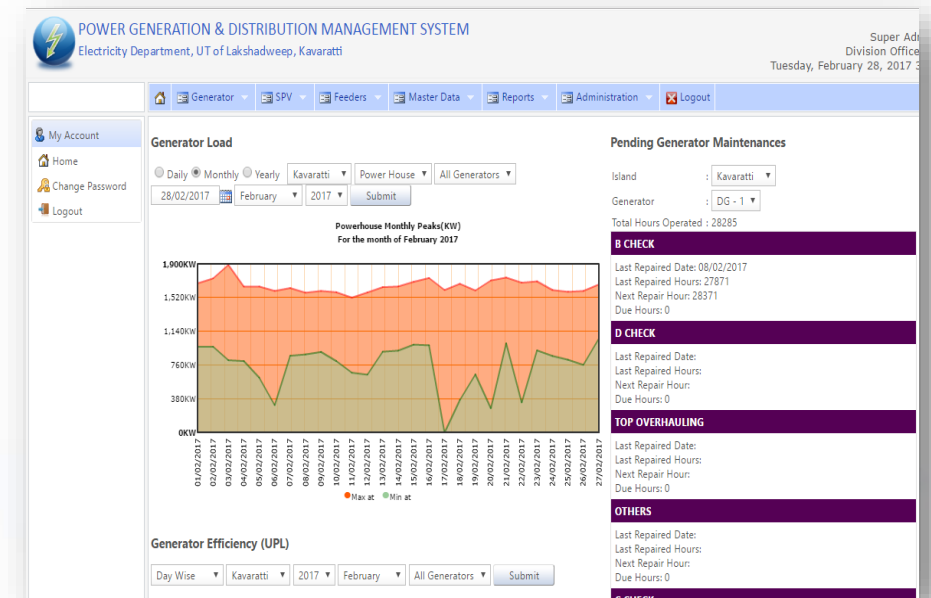
- Implemented

  - PWD, LED, Animal Husbandry, Agriculture, Port, Forest   S&T, Fisheries, Medical, Smart City, GAP, Press, Education , Environment & Forest, IRB, Police, Tourism, Panchayath , LDCL, LITSS, LTDC, Sports and VDPs

- Support engineers available one each at Kavaratti and Kochi

- Monthly Average of 15-20 Tenders Published

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LandRecords
Land Records Information System

Major Functionalities:

- Digitized land holding in all island

- Published rough patta registers in all island after verification

- Digitized Survey Maps with help of Collabland in all Island

- Integrated survey maps and Land records data

- Trained all survey staff in digitizing survey records using Collabland

- Mutation software developed and trained revenue staff in the island

- Bhunaksha, A web based Survey Map editing tool is integrated with the system

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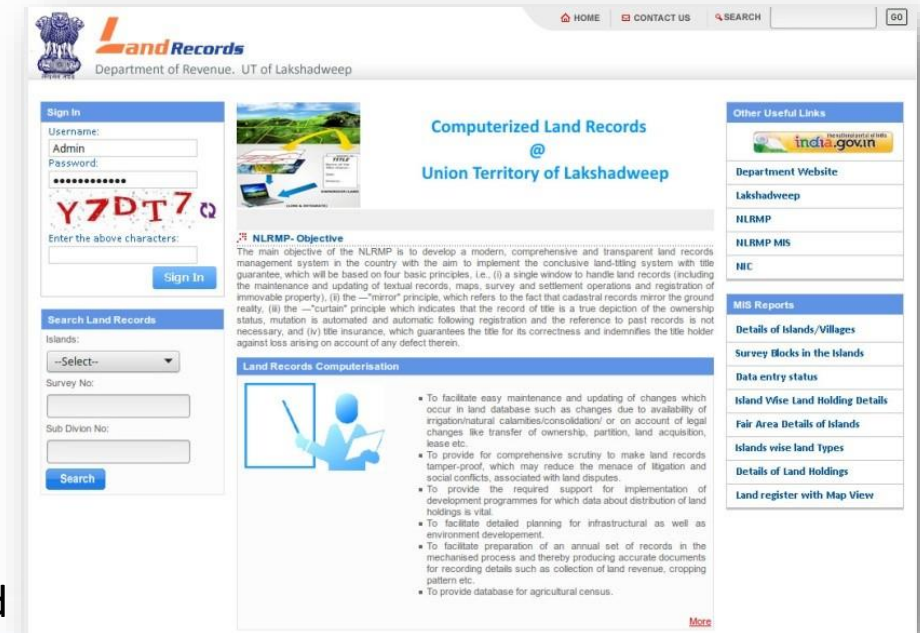
Pearlnet
Package for Effectice Administration of Registration Laws

Major Functionalities:

- Online Application for Registration

- Index Entry

- Scanning of Documents

- Developed for Lakshadweep in collaboration with NIC Kerala

- Trained the Staff in Index entry and Registration

- Average Number of Registrations are 15 - 20

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EverAlert
Online Distribution of Medicines and Medical Appliances

Major Functionalities:

- To Keep 'Alert' the stock position of medicines at all Hospitals/Community Health Centers/Primary Health Centers across UT

- 'Alert' to all users about the 'Expiry of Medicines

- Supply order Generation, Stock transfer/stock register, indent preparation

- To manage the Packing/ Dispatching/ Transportation of medicine/appliances from Kochi to Islands and within Islands

- Stock Entry/Sales/Damage

- Re-order level Management

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Upcoming Projects

1. National Generic Document Registration System

2. Ship Schedule Management System using AI

3. Manav Sampada, Human Resource Management System

4. eTransfer, In house developed Transfer Management System

5. LANIDS- Lakshadweep Andaman Nicobar Industrial Development Scheme

6. ePSC Software for Employment Exchange

7. Labour Management System for Village Dweep Panchayath

8. Implementation of National Digital Health Mission Project and NHID Card

9. Portals of Port, Education, Science & Technology department

   (Development Completed, awaiting security audit)

Thank You...