# National Informatics Centre

## Andhra Pradesh State Centre
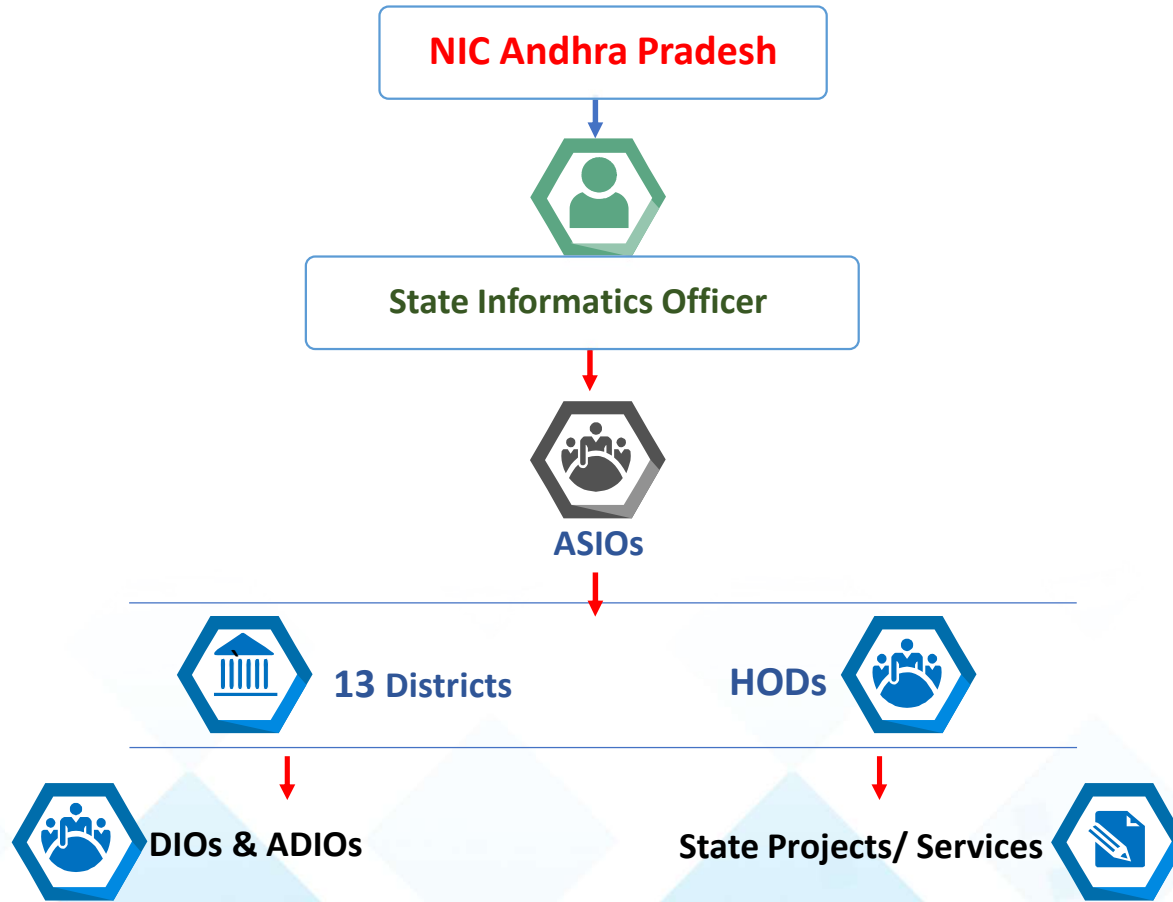
**Ministry of Electronics & Information Technology**
**Government of India**

**September 2021**
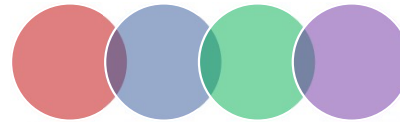
**Andhra Pradesh**

NIC — National Informatics Centre / एनआईसी National Informatics Centre

Digital India — Power To Empower

ANDHRA PRADESH

Technology partner of the Government

Explore & Advise on use of Emerging Technologies

Design and Develop IT Systems for the Government

Provide ICT Infrastructure to the Government

# Organisation Structure

# DIGITAL
## Platforms & Products

# Webland – *a workflow based Land Records Management Tool*

**Seamless Integration with welfare schemes**

- CSC
- PMKISAN
- Registration
- Bankers Interface
- Real Time Governance
- Civil Supplies
- Land Survey
- eCrop
- Seed Distribution
- AP Financial Services
- Fisheries
- Horticulture

## Web Land

- Workflow
- Digital Signing
- Aadhar Seeding
- Auto Mutation
- Direct Benefit Transfer
- API Integration
- Mobile APP
- Biometric Authentication

2.77 Crores of digitized adangals

2.66 Crores Record of Rights(ROR-1B) Certificates issued

52.5 Lakhs Mutations and Printing of Title Deed cum Pattadar Passbook

13 Crore land ownership verifications through public portal

Winner of National eGovernance Award – Gold

Key component for EODB Ranking for Andhra Pradesh

**Andhra Pradesh** — **ePDS** – *Fully automated Public Distribution System from SCM to Distribution of food grains*

**23,29,990** Quintals → **Rice Distribution per month**    **4.27 Crore** BPL Beneficiaries → **100 % Aadhaar** Authentication

- **1.46 Cr** - Ration cards digitalized
- **29,783** - Fair Price Shops
- **55,589** - ICDS Anganwadi Centers
- **46,072** - Mid Day Meal Schools



**Distribution at doorstep through Mobile Distribution Units**

**9260** **Total Mobile Distribution Units**

| e-Pos based Transactions | Real Time Alerts | Roll based Dashboards | Removal of Duplicates |

# CARD - *Computer-aided Administration Of Registration Department*

**Public Data Entry**

**Anywhere Anytime Registration**

**Auto Mutation**

**API Integration**

**Digital Signing**

Electronic Reverse Endorsement

**Sale of Stamps**

**Refusal and Re registration**

**SMS / Email Alerts**

**Online Payments**

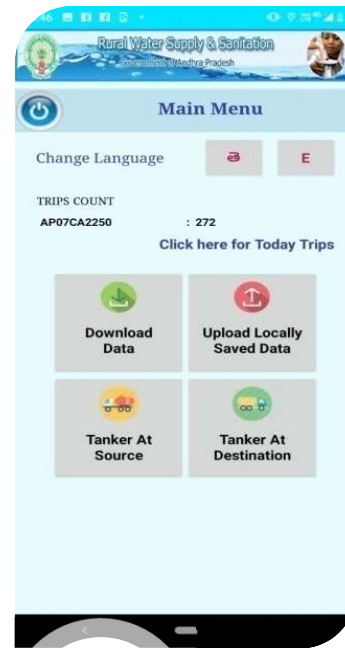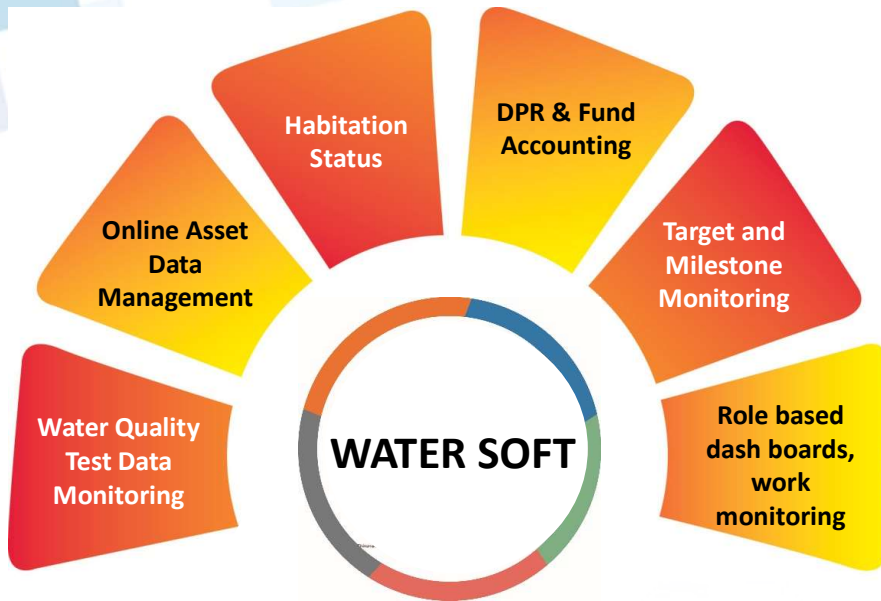**CARD**

Features

Impact

- ❖ **5000 Crores of Revenue Generated**
- ❖ **3.5 crore documents are registered and digitally signed**
- ❖ **Annual average Registrations : 15 Lakhs**
- ❖ **Automatic calculation of duty rates of the document and online payment**
- ❖ **Citizen can prepare the document by adding all legal covenants on par with manual document**
- ❖ **Slot booking to avoid waiting time**

## At a Glance

- ❖ **Total Documents registered since 1999 : 3,58,38,139**
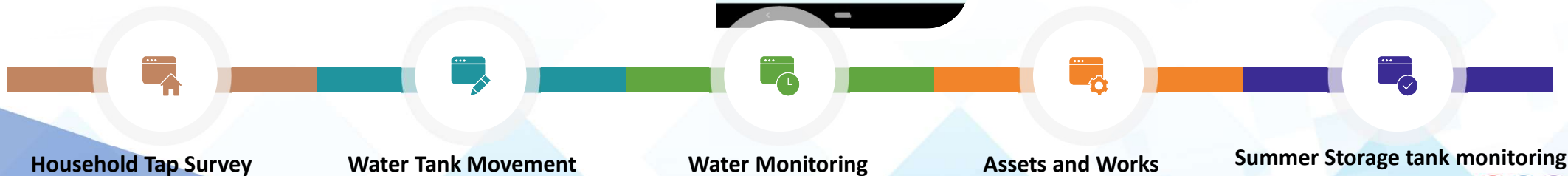- ❖ **Total Documents registered through Public Data Entry Module : 48,980**
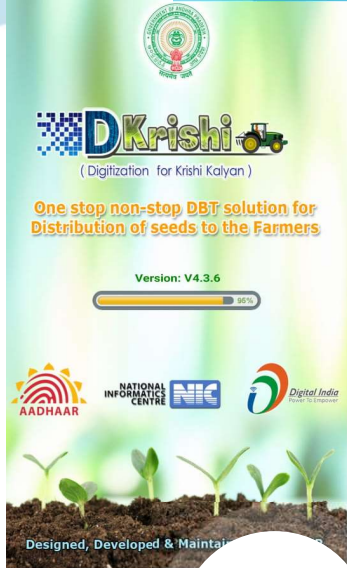
# WaterSoft – *Rural Water Supply & Sanitation*

Habitation Status

DPR & Fund Accounting

Online Asset Data Management

Target and Milestone Monitoring

**WATER SOFT**

Water Quality Test Data Monitoring

Role based dash boards, work monitoring

Rural Water Supply & Sanitation
Government of Andhra Pradesh

**Main Menu**

Change Language    అ    E

TRIPS COUNT
AP07CA2250        : 272
**Click here for Today Trips**

Download Data

Upload Locally Saved Data

Tanker At Source

Tanker At Destination

## Statistics

**Over 500 Crores worth of Works being Monitored**

**Habitation Directory** : **48,711**

**Assets Directory** : **2.29,073**

**Works Monitoring** : **99,388**

**Water Tanker Movement Trips** : **11,87,980**

**Household Tap Survey**       **Water Tank Movement**       **Water Monitoring**       **Assets and Works**       **Summer Storage tank monitoring**

# D-Krishi (*Aadhaar Enabled Seed Distribution System*)

DKrishi
( Digitization for Krishi Kalyan )

One stop non-stop DBT solution for
Distribution of seeds to the Farmers

Version: V4.3.6

AADHAAR — NATIONAL INFORMATICS CENTRE NIC — Digital India Power To Empower

Bogus Pattadar pass book elimination

No middle men

Complete transparency

Elimination of Double Benefit

Elimination of Recycling of Stocks

No more long queues

More than 40 Lakh farmers got benefited

**Targets and Price Fixation**

**Seed Allocation**

**Seed Distribution**

**Stock Management**

**Aadhaar Authentication**

**Direct Benefit Transfer to farmer**

**Andhra Pradesh**    **MEDHAS** (*Medical Education & Health Administrative System*)



- **e-Affiliation** - *Colleges Affiliation Monitoring Module*
- **E-Admission** Students Admission Monitoring Module
- **E-Pareeksha** ( Examination Monitoring Module)
- **E-QPODS** (Electronic Question Paper Online Delivery System)
- **E-Results** (Results Processing and Publishing Module)
- **E-Services** (Online Certificates Delivery Monitoring Module)
- **E-Sandesh** (Messaging to Principals/Students Monitoring Module)
- **E-OPTMIS** (Online Payment Transactions Monitoring Module)
- **E-Chanakya** (Employees Administration Monitoring Module)
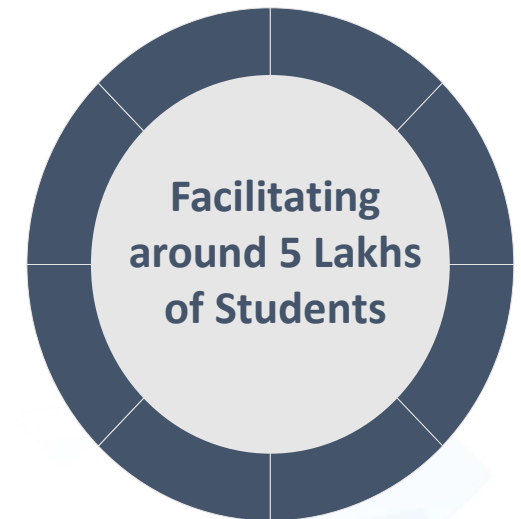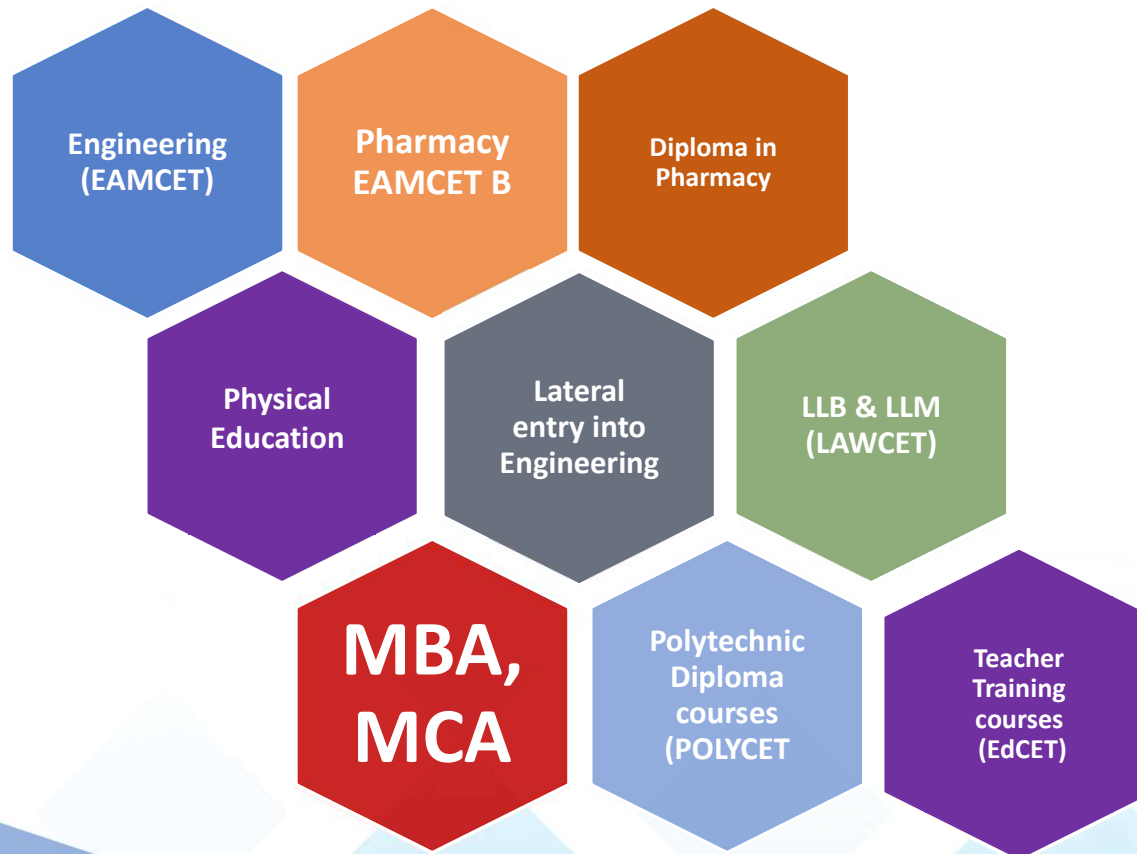- **E-GPF** (GPF Monitoring Module)

**No. of USN generated :**
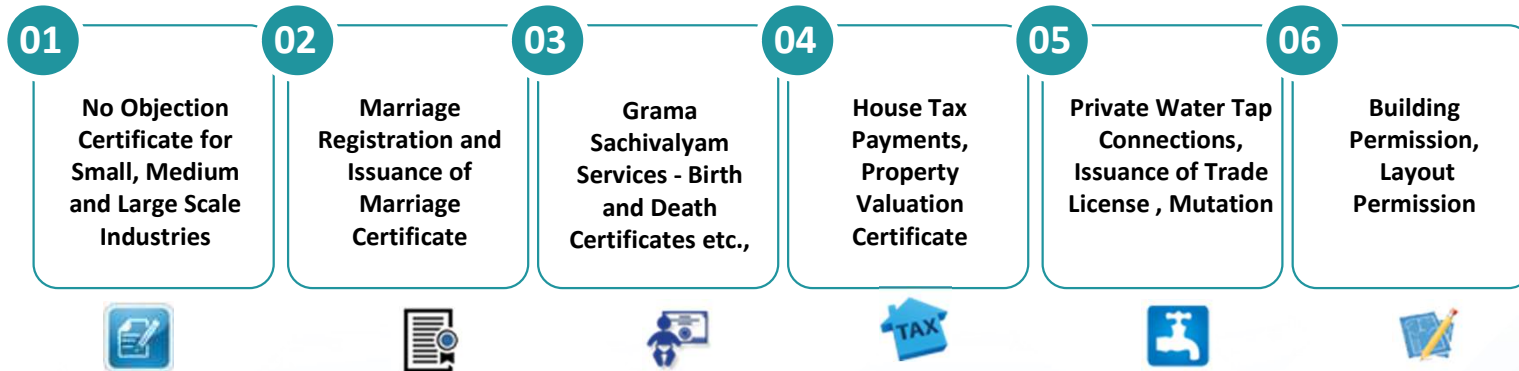**36409**

**No. of e-Hall tickets**
**generated : 51516**

**Results Processed**
**8212**

**No. of Papers delivered**
**602**

# Counseling

Engineering (EAMCET)

Pharmacy EAMCET B

Diploma in Pharmacy

Physical Education

Lateral entry into Engineering

LLB & LLM (LAWCET)

MBA, MCA

Polytechnic Diploma courses (POLYCET

Teacher Training courses (EdCET)

Facilitating around 5 Lakhs of Students

**Andhra Pradesh**

# Digital Panchayat  - *Citizen Services*

- *First of its in the country* - Gram Panchayat functionaries equipped with TAB/Mobile based solution to render all the G2C services

- eSigning of Certificates, Licenses, Proceedings in a secure, scalable, reliable and user-friendly manner

- The principal objective is to offer citizen services through all possible service delivery channels and connect G2G services seamlessly for Ease of Doing Business.

**01** No Objection Certificate for Small, Medium and Large Scale Industries

**02** Marriage Registration and Issuance of Marriage Certificate

**03** Grama Sachivalyam Services - Birth and Death Certificates etc.,

**04** House Tax Payments, Property Valuation Certificate

**05** Private Water Tap Connections, Issuance of Trade License , Mutation

**06** Building Permission, Layout Permission

- GPs on board        : 13,508
- eSign Facility        : 12,360
- Trade License    : 4,451

- Birth Events Digitally Signed        : 1,20,31,869
- Death Events Digitally Signed        : 27,45,572
- Property Valuation Certificates        : 43,582

- Birth and Death Certificates   : 71,68,154
- Marriage Certificates                : 1,07,875
- Issued NOC to Entrepreneurs  : 441

# Jeevandan *(A Cadaver Transplantation Program)*

## A Web Portal to facilitate the management of Organ Transplantation

**Donor Registration**

**Recipient Registration**

**Donor Approval / Rejection**

**Organ Transplant Centre Registration**

**Organ Allocation**

**01** **OTC Registration**
- Recipient Registration
- Donor Registration
- Approved Transplantation

**02** **CTC Role / Scope**
- Approve / Decline of OTC's
- Approve / Decline of Recipients
- Approve / Decline of Donors

**CTC Role - Donors**
- Approve Brain Dead
- Organ Allocation as per system generated list
- Skip if non availability
**03**

**CTC Role - Donors**
- Post Operation Analysis
- Review organ allocation
**04**

Transparent Organ Allocation

Roles based scope/services

Approved criteria

Recipient / Donor Approval

OTC / NTOHC – Approval Process

SMS / Email Alerts

Post operation trend analysis

## *The Entire Organ Allocation Process in Andhra Pradesh is Online*
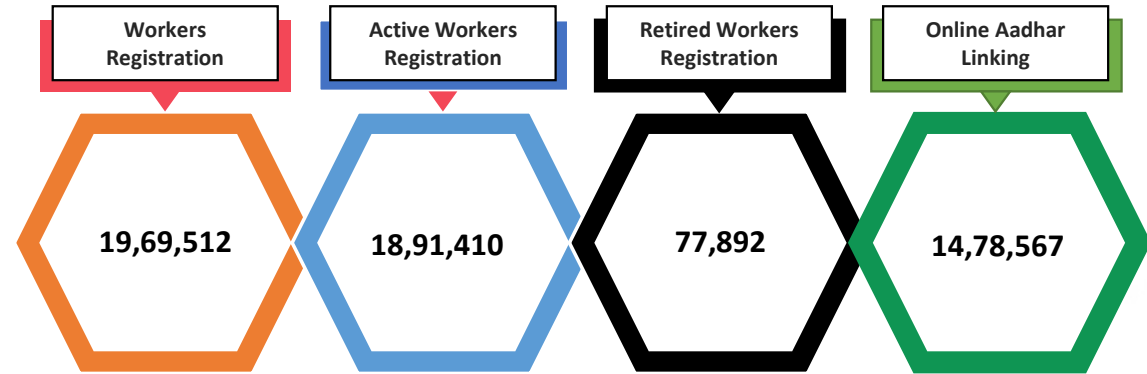
# eCourts – Andhra Pradesh



- 195 Court Complexes covering 550 courts are covered in the state

- High Court & District Judicial Websites to providing judicial information online

- Judicial data of the subordinate courts is being uploaded on National Judicial Data Grid (NJDG).

- Launch of Official Website of High Court, Andhra Pradesh in the year 2020

- e-Filing software was developed and made operational during covid 19 to facilitate Advocates and Officials.

- AP State Legal Service Authority website hosted and application developed to monitor the cases during National Lok Adalat

*Commercial Courts are being implemented at Visakhapatnam and Vijayawada as part of EoDB.*

**Diagram labels:**
1. eCourts Services Mobile App
2. eCourts Website
3. SMS PULL
4. Information Kiosks
5. Email
6. Judicial Service Centres (JSCs)
7. SMS Push

**Andhra Pradesh**

**APBOCWWB** *(Andhra Pradesh Building & Other Construction Workers Welfare Board)*

**Maternity Benefit**

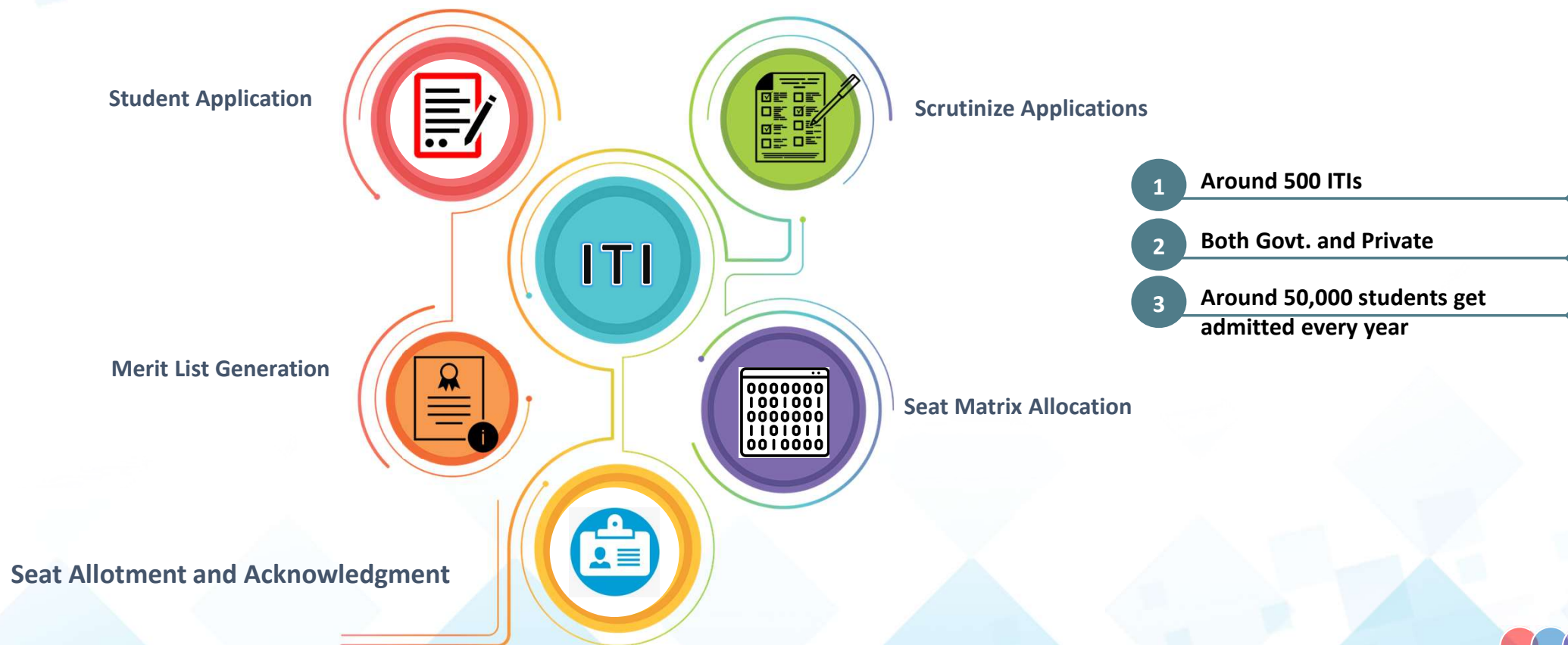| Workers Registration | Active Workers Registration | Retired Workers Registration | Online Aadhar Linking |
|---|---|---|---|
| 19,69,512 | 18,91,410 | 77,892 | 14,78,567 |

## FEATURES

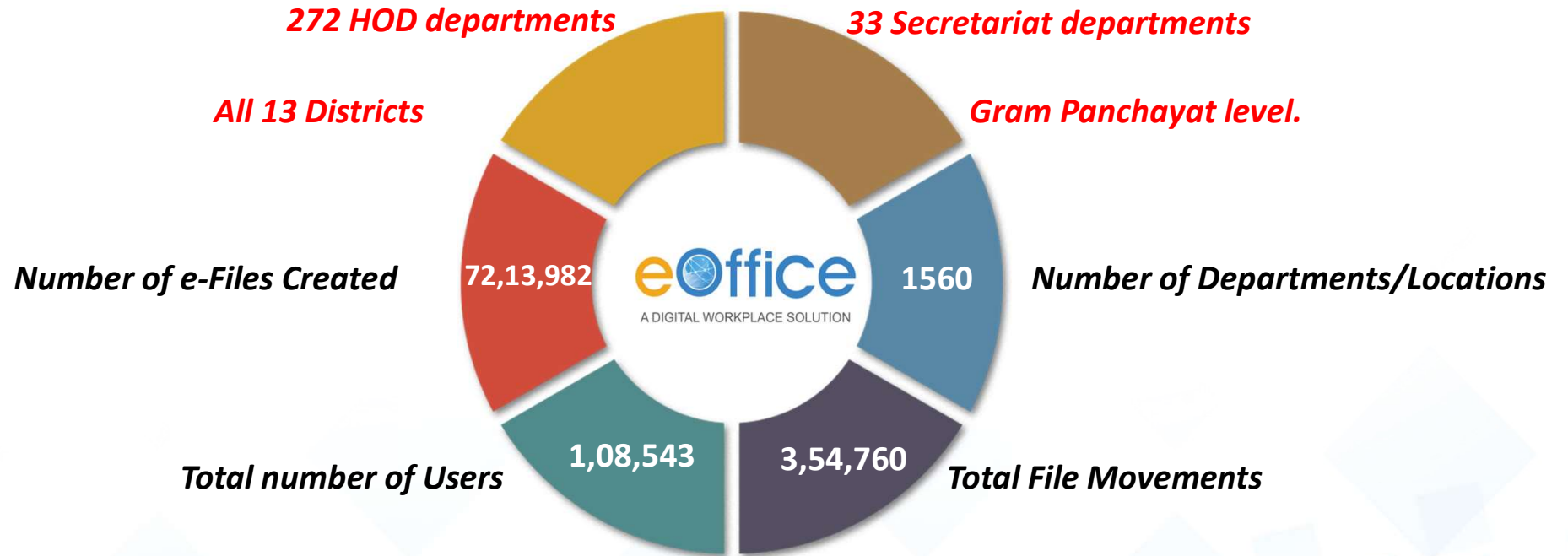" To automate the process of distributing benefits to Building & Other Construction Workers under various schemes "

- Online Registration to avail schemes
- Online enrolment for skill development and training.
- Online requests for claim processing

Role based privileges to :
- Construction Workers
- Assistant Labor officer
- DCL
- Board Members
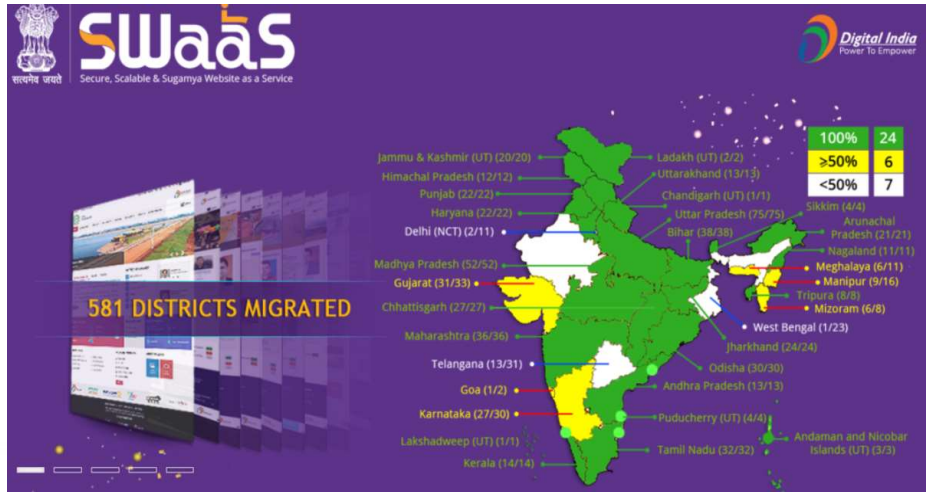
Around 20 Lakh construction workers are registered

# eOffice

**272 HOD departments**

**33 Secretariat departments**

**All 13 Districts**

**Gram Panchayat level.**

**Number of e-Files Created**     72,13,982     1560     **Number of Departments/Locations**

eOffice
A DIGITAL WORKPLACE SOLUTION

**Total number of Users**     1,08,543     3,54,760     **Total File Movements**

**All the 13 district websites were developed and hosted over S3WaaS Platform**



SWaaS
Secure, Scalable & Sugamya Website as a Service

581 DISTRICTS MIGRATED

| | | |
|---|---|---|
| 100% | 24 |
| >50% | 6 |
| <50% | 7 |

Jammu & Kashmir (UT) (20/20)
Himachal Pradesh (12/12)
Punjab (22/22)
Haryana (22/22)
Delhi (NCT) (2/11)
Madhya Pradesh (52/52)
Gujarat (31/33)
Chhattisgarh (27/27)
Maharashtra (36/36)
Telangana (13/31)
Goa (1/2)
Karnataka (27/30)
Lakshadweep (UT) (1/1)
Kerala (14/14)
Ladakh (UT) (2/2)
Uttarakhand (13/13)
Chandigarh (UT) (1/1)
Uttar Pradesh (75/75)
Bihar (38/38)
Sikkim (4/4)
Arunachal Pradesh (21/21)
Nagaland (11/11)
Meghalaya (6/11)
Manipur (9/16)
Tripura (8/8)
Mizoram (6/8)
West Bengal (1/23)
Jharkhand (24/24)
Odisha (30/30)
Andhra Pradesh (13/13)
Puducherry (UT) (4/4)
Andaman and Nicobar Islands (UT) (3/3)
Tamil Nadu (32/32)

**ANANTHAPURAM**
అనంతపురము

**CHITTOR**
చిత్తూరు

**EAST GODAVARI**
తూర్పు గోదావరి

**GUNTUR**
గుంటూరు

**KRISHNA**
కృష్ణా

**KURNOOL**
కర్నూలు

**PRAKASAM**
ప్రకాశం

**SPS NELLORE**
శ్రీ పొట్టి శ్రీరాములు నెల్లూరు

**SRIKAKULAM**
శ్రీకాకుళం

**VISAKHAPATNAM**
విశాఖపట్నం

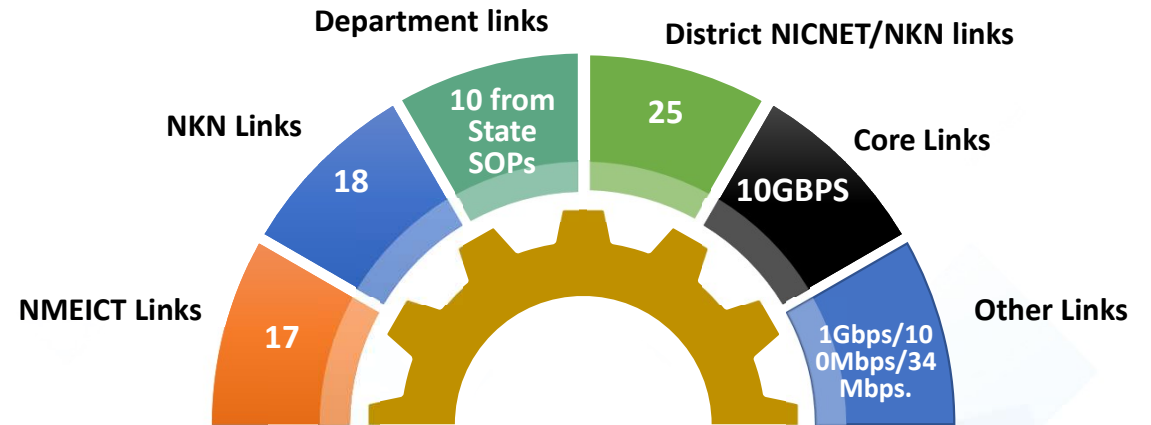**VIZIANAGARAM**
విజయనగరం

**WEST GODAVARI**
పశ్చిమ గోదావరి

**YSR KADAPA**
వై ఎస్ ఆర్

Video Conferencing Services in Andhra Pradesh

**NIC – AP VIDEO CONFERENCING**

600 VIP sessions

27 Studios

700 sessions

More than 800 hours

All 13 Districts

CM Office

AP Secretariat

VC Studios

Raj Bhawan

APSC

# Email , National Knowledge Network and Cloud Services
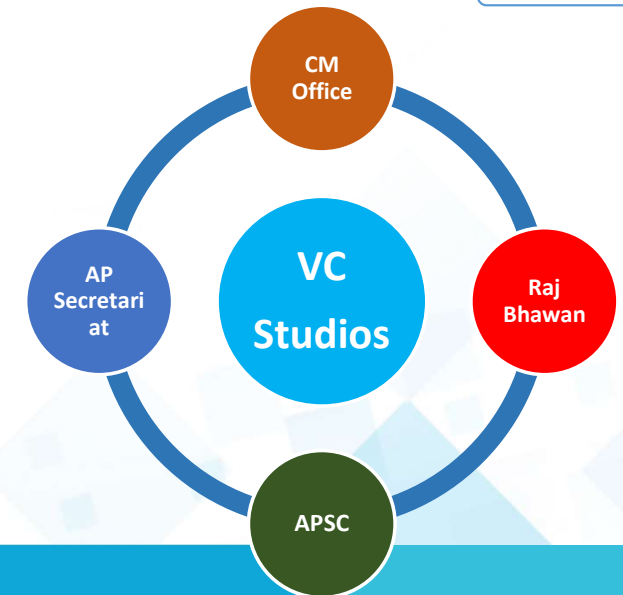
**Multi-gigabit connectivity**

- NKN PoP is operational at AP Secretariat, Velagapudi with 10G backbone connectivity and redundant links to Hyderabad and Chennai.

- NKN is extended to SDC(PiDC) with 10G bandwidth for state applications traffic .

- All 13 districts links were terminated at NKN PoP with 34 mbps bandwidth.

- NICNET is extended to High Court, BoI (Airport Ganavaram), ASI, MPEDA etc.,

**MeghRaj CLOUD INITIATIVE**
NATIONAL CLOUD BY NIC

**Quick Deployment of Digital India Initiatives**

**Optimal utilization of ICT resources**

## Email Services

- More than 1 ,75,000   NIC email accounts

- All most all AP State Government Departments

- State Government Organisations like APSFC, APMDC, Andhra University, IISER – Tirupati etc.

50 VMs created for  Production and development hosting for new NIC AP applications at NIC data centers.

Onboarding support to state government organisations such as VMRDA, AP Medical Council onto Meghraj Cloud.

# IVFRT - *Immigration, Visa, Foreigners Registration and Tracking*

**A Government of India Mission Mode Project (MMP)**

**Immigration Control System (ICS) :** Implemented at the Immigration Check Posts at 1. International Airport, Visakhapatnam. 2. International Airport, Vijayawada 3. Seaport, Visakhapatnam 4. Seaport, Kakinada for providing immigration services.

**eVISA :** Implemented eVISA system at the International Airports, Visakhapatnam & Vijayawada to provide immigration services to foreigners who visit India on electronic travel authentication document with out the need to visit Indian Embassy for Visa.

**Advance Passenger Information System (APIS) :** Implemented at ICP's for providing advance passenger information to deport passengers who are not supposed to enter India and identify passengers against whom Look out Circulars have been issued for taking n.a. Also implemented at Customs to detect suspicious frequent fliers.

**e-Foreigner's Regional Registration Office (e-FRRO) :** Implemented at all the Foreigner's Registration Offices located at all the district police head quarters to provide services related to Foreigner's registration and allied services at ICP's for giving temporary landing permits (TLP) & exit permits.

**PRC (Prior Reference Check) :** To enable the background check of the Visa Applicants for User Agencies like MHA, Security Agencies, State and District level officer etc. Implemented at the SP/CP offices.

**Sri Kartarpur Sahib Module :** Implemented at SP/CP offices for giving clearance to the applicants who intend to visit Sri Kartarpur Sahib on pilgrimage.

**C-FORM:** Online registration of foreigners stay at Hotels /Dharmasala / Guest house / Home stay etc.

# Central Projects

## PM Kisan

Farmer Families Registered       : 58,03,767
Benefit Released       : 39,35,737

## Jeevan Praman

Number of Digital life Certificates       : 2,66,824

## AeBAS

No. of Registered Organizations at State Level       : 1,347
No. of Registered Employees at State Level       : 4,55,279
No. of Active Devices (Tablets)       : 6,271
No. of Active Devices (Desktops)       : 3,323

## eProsecution

No. of Prisons       : 82
No. of inmates (Prisoners) Registered       : 11,13,215

## ePrisons

# Central eProcurement Portal

## Around 530 Tenders were floated worth of Rs. 33,25,13,72,020.

- Roads and Buildings Department- NDB Tenders(for 13 Districts)

- Engineer-in-Chief (Panchayat Raj Engineering Dept.)-AIIB(for 13 Districts)

- Andhra Pradesh Industrial Infrastructure Corporation Ltd.-APIIC

- All India Institute of Medical Sciences-Mangalagiri - Andhra Pradesh

- Municipal Administration and Urban Development Dept. - Andhra Pradesh (For 5 Districts)

- Transmission Corporation of Andhra Pradesh Limited || O/o CE-Construction-AP Transco

- Andhra Pradesh Southern Power Distribution Company Limited

- Andhra Pradesh Industrial Infrastructure Corporation Ltd.-APIIC

- All India Institute of Medical Sciences-Mangalagiri-Andhra Pradesh

# NIC- Andhra Pradesh

*Driving Digital Transformation in Government*