• Established in **1976**

• **Prime builder** of e-Government/ e-Governance applications (grass root level and up)

• Spearheaded "Informatics-Led-Development” by implementing **ICT applications in Social & Public Administration**

• Facilitated **electronic delivery of services to** the Government (G2G), Business (G2B), Citizen (G2C) and Government Employee (G2E)

• Presence in Central Government Ministries/ Departments, **ALL States/ UTs and Districts of India**
Organizational Structure

HQ

State Centers

State HQs

District Centers

HQ – Head Quarter
HOG – Head of Group
HOD – Head of Division
SIO – State Informatics Officer
DIO – District Informatics Officer
ADIO – Additional DIO
National Informatics Centre

The Mandate

- Trusted Technology Partner of the Government
- Provide ICT Infrastructure on demand
- Design & Develop IT Systems for Government
- Explore & Advise on different dimensions of ICT in Govt
“NIC is the technological bridge of India and is best placed to lead the way for a Digital India that the honourable Prime Minister envisaged”

~Shri Ravi Shankar Prasad; Hon'ble Minister; Law & Justice, Electronics & Information Technology
Digital Infrastructure
NICNET : Nation Wide Government Network

- National long distance high speed (multiple 10 Gbps) leased data circuits to state capitals
- Connectivity from State Capitals to Districts using 34/100 Mbps/1Gbps leased circuits
- Connects National Data Centers on high speed network with redundancy & scalability
- Secure access through VPN
- Connects State Wide Area Networks (SWANs) and State Data Centre's (SDCs)
- VSAT services at 100+ locations
- Secure Wi-Fi Services
National Data Centres of NIC

- IDC Delhi (2002)
- NDC Hyderabad (2008)
- NDC Pune (2010)
- NDCSP Delhi (2011)
- NDC Bhubaneshwar (2018)
- Mini- Data Centres
@Gov.in Mail Service

- No. of Accounts: over 17 lakhs
- Daily Email Transaction: 1.5 crores
- Email Transaction in 2017: 552 crores
- Virtual Domains Supported: 985

(like @meity.gov.in, mea.gov.in ...
Total App Integrated: 1885
Average Monthly SMS: 55.5 crores
Major Initiatives Include
1. UIDAI
2. GSTN
3. GeM
4. Income Tax
5. Mann Ki baat
6. Urja Mitra
7. Mid Day Meal
8. E-Health
9. MyGov
10. DigiLocker
11. BAS
12. Jeevan Pramaan
Video Conferencing Services

- **1400+ Videoconferencing studios** over NICNET spread across the country

- **25,000 multi sites conferences** with more than **5,00,000 site hours** of Videoconferencing sessions are being held annually over NICNET

- Web based desktop VC facilities are being used by over **20,000 users** from central & state governments, NKN, Courts etc. with more than **3,00,000 hrs** of VC usage annually.
Digital India
Products & Platforms
E-HOSPITAL is a cloud-based hospital management information system.

185
Total Hospitals On-boarded

23 Lakh+
Patients Registered in Jan 2018

2.27 Cr+
Patients Registered since Sept ’15

1 Lakh+
Patients Registered on 08 Feb 2018

Simplified On-boarding and Master Data management

Software as a Service (SaaS) model

Hospitals are relieved from Application Development & Server Management

HL7 Development Framework and Meta Data & Data Standards

eHOSPITAL / Online Registration System (ORS)

HL7 Development Framework and Meta Data & Data Standards

Simplified On-boarding and Master Data management

Hospitals are relieved from Application Development & Server Management

Software as a Service (SaaS) model

OPD & Casualty

IPD

Billing

Lab

e-Hospital@NIC Modules

Online Appointment

Lab Reports

Blood Availability

Total Hospitals On-boarded

Patients Registered since Sept ’15

Patients Registered in Jan 2018

Patients Registered on 08 Feb 2018

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eHOSPITAL / Online Registration System (ORS)
e-Counselling - Simplifying the admission process

Inconveniences

Aspirants
- Easy and transparent seating allocation
- Easy document verification
- Convenient fee payment

Existing Institutions
- Simplification of admission process
- Minimum physical counselling
- Manual paper work

New Institutions
- Cost of IT
- Lengthy admission process

Counselling is addressing these inconveniences caused to aspirants seeking admission into government funded technical institutes and making the admission process seamless, efficient and economical, e-Counselling is an end-to-end solution based on joint seat allocation mechanism for facilitating the admission process in several professional institutes and universities.

Key Features

- 53,46,434 Candidates participated in examinations
- 6000 Institutes participated in e-Counselling
- 13,88,003 Total seats

Counselling Boards of the states:
- Andhra Pradesh
- Assam
- Chandigarh
- Delhi
- Gujarat
- Jharkhand
- Haryana
- Kerala
- Odisha
- Punjab
- Uttar Pradesh
- West Bengal

Examinations/Universities/Institutions:
- CBSE-CTET
- JEE Mains & Advanced
- UGC-NET
- JIoSAA
- NEET

Real-time addition of institutes, courses and seats
Deployed on NIC cloud
Scalable infrastructure

Encrypted login and password
Document verification
Online counselling

Special algorithms for large datasets
Vahan & Sarathi

Implemented in 1100+ RTOs across 36 States/UTs

Vahan 4.0 is rolled out in 746 RTOs across 28 States

Sarathi 4.0 is rolled out in 759 RTOs across 22 States

More than 23 Cr. Vehicle registered under Vahan, 12.82 Cr. Driving Licenses under Sarathi

Host of online Services, Mobile Apps, API based integration, e-Payments, Aadhaar

Key Points

Conference

Product Details

- Centralized Vahan 4
- Vehicle Registration, Permit, Tax, Fees, Fitness
- Fancy number auction
- Online National Permit
- Homologation application for manufacturers
- Dealer Point Registration
- Online Citizen and Trade Centric Services

- Centralized, web-enabled Sarathi 4 Application
- Driving License, Learner License, International Permit
- Online Learner Licence Test
- Online request, e-payment, Document Upload, Appointment, Authentication
- Host of Online services

- Mobile app based Enforcement solution
- On-the spot challan facility
- Geo-tagging of Challan Spot
- Anywhere any time challan investigation/disposal
- Vehicle Towing App linkage
- State-specific configuration
- MIS Reports, Dashboards, Heat-maps, alerts, GIS, GPS

- Citizen-centric mobile app
- Access details of public RC/DL
- Virtual DL/RC in mobile
- Encrypted QR Code
- Citizen-centric Vahan services
- Online Citizen-centric Sarathi services –(New DL, New LL)
- Road Accident, Traffic Violation Reporting
- Intimation on challan, towing
Secure, Scalable and Sugamya Website as a Service

Launched on 8th Feb’ 2018 by Shri Ravi Shankar Prasad Hon’ble Union Minister of Electronics & IT, Law and Justice
Secure, Scalable and Sugamya Website as a Service

Features

- From design to deployment
- Ready to use website templates

**GIGW Compliance**
Compliant with mandatory guidelines from the compliance matrix of GIGW

**Unified Open Source Technology**
Complete SaaS solution, built upon cutting edge Open Source technology stacks

**Search**
Integrated search to enable easy discoverability of content

**Responsive Design**
Easily accessible through Smart Phones, Tablets and Desktop PC

**Themes & Templates**
Easily configurable themes for visually exclusive presentation

**Infrastructure Included**
A framework that expects compute, storage and networking to be provisioned

Seamless cyber security audit clearance of generated websites
Creating a District Website through S3WaaS

**01 Login at S3WaaS**
Login with official email address (gov.in or nic.in.)

**02 Choose your Theme**
Select theme for your feature requirement

**03 Add Website Details**
Provide the Website Details, Technical Owner Details and Site Owner Details

**04 Customize Site**
Add/Edit features, text, images, video & more

**05 Make Site Live**
Get your site live and share it with the public
Pilot Districts

East Godavari —
http://eastgodavari.nic.in/

Salem —
https://salem.nic.in/
**eOffice** aims to usher in **efficient, effective and transparent** inter-government and intra-government transactions & processes.

### Status of eOffice Implementation

<table>
<thead>
<tr>
<th>Enterprise</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Government (Ministries/Departments/Others)</td>
<td>149</td>
</tr>
<tr>
<td>State Government (Secretariats/District Administrations/Others)</td>
<td>122</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>271</strong></td>
</tr>
</tbody>
</table>

### Status of SPARROW Implementation

<table>
<thead>
<tr>
<th>Enterprise</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Central Government Services/Cadres</strong> namely IAS, IPS, IFS, CSS, CSSS, IIS, CES, DoT, CHS, ICLS, ICoAS, IDAS, IRS, SSS, ISS, ITS, MoEFCC Scientists, EPFO, Railways, IA&amp;AD, IOFS, ICAO</td>
<td>22</td>
</tr>
<tr>
<td><strong>State Government Services/Cadres</strong> namely Madhya Pradesh (SAS-MP, State Police Service) and Maharashtra (12 cadres)</td>
<td>3</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>25</strong></td>
</tr>
</tbody>
</table>
Manav Sampada (e-Tool for HRM)

Manav Sampada or electronic Human Resource Management (eHRMS) is a one stop shop portal and mobile app to address these concerns and facilitate Government to Government (G2G), Government to Employee (G2E) and Government to Citizen (G2C) services. Manav Sampada is a green governance tool for efficient management of human resources that also facilitates several G2G, G2E and G2C services owing to its integration with 17 web applications. The eHRMS helps decision makers take the right decisions at the right time with ready access to employee database and features such as recruitments, promotion, postings, and transfers based on employee skill set.

Solution

HR related services
Dashboard based dynamic graphical analysis
Pension management
Online recruitment
Leave management
Tour management
Benefits management system
On-the-go access to employee personal information
Quick intra- and inter-departmental employee search
Cost savings in terms of paper, postage, fuel and time

Services
- User management
- Online leave
- Recruitment by Department
- E-service book
- Annual property return
- DPC management
- Dynamic ACR
- Online service request
- Master reports
- Online tour
- Online transfer/promotion

15 Registered States
576 Registered Departments
20141 Published Orders
1587577 Registered Employees
10472203 Total Visitors
e-Procurement – GePNIC

Central Public Procurement Portal
Guided by Ministry of Finance

Processed **28.49 Lakh** tenders
Worth Rs. **42.46 Lakh Crores** since inception

Implementation Status
Ministry/Departments
- **350+** Organizations (Central Govt. Departments, Coal India Ltd, IOCL, PMGSY, Defence PSUs etc)
- **27** States / UTs

Statistics for Last 3 FY

<table>
<thead>
<tr>
<th>Last 3 Year’s</th>
<th>Electronic Tenders</th>
<th>Value of Tenders ( ₹ In Cr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-18</td>
<td>8,64,440</td>
<td>15,22,012.80</td>
</tr>
<tr>
<td>2016-17</td>
<td>6,81,971</td>
<td>8,90,968.84</td>
</tr>
<tr>
<td>2015-16</td>
<td>5,13,842</td>
<td>6,92,177.78</td>
</tr>
</tbody>
</table>

Statistics for Last 3 Months

<table>
<thead>
<tr>
<th>Month</th>
<th>Electronics Tender</th>
<th>Value of Tenders (In Rs. Cr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2018</td>
<td>108568</td>
<td>216671.89</td>
</tr>
<tr>
<td>December 2017</td>
<td>98303</td>
<td>193602.50</td>
</tr>
<tr>
<td>November 2017</td>
<td>100537</td>
<td>239208.72</td>
</tr>
</tbody>
</table>
DARPAN – Dashboard as a Service

Uttar Pradesh

Assam
Himachal Pradesh
Meghalaya
Punjab
Haryana
Jharkhand
PFMS (Public Financial Management System)

Core of Direct Benefit Transfer (DBT)

PFMS is a Central Sector Plan Scheme of Dept. of Expenditure, Ministry of Finance, being implemented by the Office of the Controller General of Accounts (CGA) with NIC as the technology partner.

- Payment & Accounting of all Govt. transactions (Plan & Non Plan)
- 34.19 Crore Beneficiaries
- More than 12 Lakh Crore rupees disbursed
- 2.84 Lakh Crore Direct Benefit Transfer
- Interface with - 168 Banks for account validation, RBI for fund transfer, State Treasury, Post office
- Non-Tax e-Receipt Portal (Bharatkosh)
**SERVICE PLUS**

**ServicePlus** is a metadata-based, single, unified, eService Delivery & Grievance Redressal framework

- Supports access in local languages
- Sets up a single unified portal to the citizen for accessing any service, track submitted applications, subscribe to alerts etc.
- It is integrated with payment gateways and government treasury systems

- 13 States, 19 Central Departments
- 148 Services

- 1.03 Crore - Applications Received
- 85.04 Lakh - Application Delivered
eCourts

- Provide efficient & time-bound citizen centric service delivery.
- Provide transparency of Information and access to its stakeholders.
- Enhance judicial productivity both qualitatively & quantitatively.
- Justice delivery system affordable, accessible, cost effective & transparent.

Case Information System- National Core Version 2.0 (CIS NC 2.0)
- eCourts CIS 2.0 is developed using Open Source Technology.
- CIS NC 2.0 is implemented in District & Taluka courts of the country.
- Software is implemented in bilingual mode. (Marathi, Hindi, Kannada, Tamil & Gujarati)
- Case status provided through SMS to Advocates & Litigants.

National Judicial Data Grid (NJDG)
- NJDG is a part of eCourts Integrated Mission Mode Project.
- NJDG works as a monitoring tool to identify, manage and reduce pendency.
- Provide timely inputs for making policy decisions to reduce delay & arrears.
- Promote transparency & access of information for all the stakeholders.
Digital India
Programme Specific National Platforms / Portals
Mahatma Gandhi National Rural Employment Guarantee Act

Handles more than 10 lac transactions per day, including 12-13 lakhs financial transactions

**Work Expansion**
- Geo Tagging
- Completed works photos upload
- Digital Payments
- Mobile apps

Total no. of Job Cards issued: 12.64 Cr
Total Workers: 25.16 Cr
Active Workers: 11.22 Cr
Avg. person days Generated per Day: FY 16-17 235.75 Cr, FY 17-18 (So Far) 175.19 Cr

Seeded: 9.83 Cr, 87.66%
Verified: 9.31 Cr, 84.55%
APBS Conversion: 6.45 Cr, 58.55%

Total number of workers enabled for Aadhaar Based Payment are 6.59 Cr.

More than 96 % of total expenditure is paid through eFMS implemented in NREGASoft.
Soil Health Card has been developed to establish the national database on Soil Health and provide fertilizer and micro-nutrient suggestions for the soil to farmers. The system captures data at each stage of soil sample collection and testing to generate Soil Health Card in uniform format with local language interface for 22 languages.
### National Scholarship Portal (NSP)

**Application Statistics for Academic Year 2017 - 18**

- **Total Applications**: 1.40 Cr (Fresh + Renewal)
- **Beneficiaries**: 53.59 L (Fresh + Renewal)
- **₹ 1607 Cr disbursed** through portal
- **14 Ministries/dept. on-boarded**
- **32 Schemes**

**About NSP**

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

**Features**

All scholarships information available under one umbrella

- Single integrated application for all scholarships
- System suggests the schemes for which a student is eligible
- Duplicates can be reduced to the maximum extent
- Master data for Institutions and courses at all India level
Swachh Bharat Mission (SBM) – Gramin

Construction of 5.22 crore Household Toilets have been reported online since 2nd Oct 2014

Captured online data of 16.67 crores potential households

2.68 Lakh villages declared Open Defecation Free by States
## Pradhan Mantri Awas Yojana- Gramin

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Beneficiary Registered</td>
<td>71.73 lakhs</td>
</tr>
<tr>
<td>PMAYG Target till 17-18</td>
<td>75.88 lakhs Houses</td>
</tr>
<tr>
<td>Target up to March 2019</td>
<td>1.00 cr.</td>
</tr>
<tr>
<td>Disbursed Till now</td>
<td>Rs. 42291 cr.</td>
</tr>
<tr>
<td>Total e-payment</td>
<td>2.95 cr.</td>
</tr>
<tr>
<td>Target up to March 2022</td>
<td>3.89 cr.</td>
</tr>
<tr>
<td>Photos uploaded</td>
<td></td>
</tr>
</tbody>
</table>

### Work Expansion

- Web and Mobile based Dashboard
- iOS version of AwaasApp
- Integration of Mason training module
- Geo-fencing
- Rural Housing Interest Subsidy Scheme - A new vertical
Digital India Land Records Modernization Programme (DILRMP)

Land Records
- Development of State specific LR Application, entry / updation of RoRs / Mutation workflow, establishment of Data Centre at State / District / Sub division / Tehsil, Connectivity in Revenue & Registration, establishment of DILRMP Cell, PMU, Modern record Rooms – **31 States / UTs**

Property Registration
- Development of PR Application, Circle rates, Payment option, Aadhaar, Documents Scanning / Search retrieval – **28 States / UTs**

Integration of Land Records with Property Registration and other institutions related with land (Common Software)

Core Geospatial Information System (GIS) – **Cadastral Map Management**, Map digitization, Bhu-Naksha software, integration of map with RoR. Bhu-Naksha has been operational in – **18 States**, Integration of cadastral map with RoR as a service to citizens in – **18 States**
Targeted Public Distribution System (TPDS)

Current Status at a glance

- **Digitization (Ration Cards 23.21 Cr.)**: 100%
- **Aadhaar Seeding (Ration Cards)**: 30/36*
- **Online Allocation (No. of States/UTs)**: 30/36*
- **Supply Chain (No. of States/UTs)**: 30/36*
- **Grievance Redressal Toll-Free/OGR (No. of States/UTs)**: 36/36

Results & Dividends

- Bogus/in-eligible Ration Cards deleted during last 4 years (2013-2017) are **2.75 Cr.**
- States show 10-15% food grains savings after FPS automation & computerization of supply-chain
- Out of total 5.27 Lakh Fair Price Shops in India, around **55.76% (2.94 Lakhs)** have been automated
Mother & Child Tracking System (MCTS) / Reproductive & Child Health (RCH)

Maintains records of Health Services provided to Eligible Couples, Pregnant Women and Children. MCTS/RCH/State Solutions has been implemented/integrated in all States/UTs

About 13.5 Cr Eligible Couples and Pregnant Women and 11.8 Cr Children registered since December 2010 in MCTS/RCH for tracking ANC, Delivery, PNC and Immunization Services

Integrated with
- PFMS for JSY Payment
- MCTS Facilitation Call Centre
- WCD
- Kilkari (Audio Message to Mothers) & Mobile Academy (Voice Messaging Course for ASHAs)
- Maternal Death Review (MDR)

2.9 Lakhs ANMs (Auxiliary Nurse Midwife) and 9.9 lakhs ASHAs (Accredited Social Health Activists) registered in MCTS/RCH

ANM Online (ANMOL) Mobile App implemented in Andhra Pradesh, Telangana & Madhya Pradesh

About 2.9 lakhs ANMs (Auxiliary Nurse Midwife) and 9.9 lakhs ASHAs (Accredited Social Health Activists) registered in MCTS/RCH

State solutions; Tamil Nadu, Chhattisgarh, Karnataka, Gujarat, Rajasthan
Jeevan Pramaan

- An initiative that provides facility to pensioners to submit Aadhaar based Digital Life Certificates (DLC)
- Provide alternate method for mandatory physical verification for pensioners from anywhere anytime basis
- 43 Pension Sanctioning Authorities are on-boarded
- Total No. of Pensioners Registered till date – 1.57 Crores
- Total No. Registered in Jan 2018 – 3.86 Lakhs

Digital Life certificate for pensioners

Services available at Jeevan Pramaan Centres across the country
MyGoV: Open Source Technology based platform of Government for Citizen Engagement

- Government to Citizen engagement platform
- Aims to promote citizen participation in India’s governance & development
- Launched by Prime Minister on 26th July’14

25 Crore Page Views
4.8 Crore Users
52.72 Lakh Registered Members
38.58 Lakh Comments in 760 Discussions
64 Groups
52 Ministries
4.8 Crore

"Creating a participatory digital democracy, leveraging technology to enable every citizen to contribute ideas and efforts for nation-building, transforming these ideas into action and recognizing individual contributions"
Digital India
Cyber Security Initiatives
NIC - CERT
Five Centres of Excellence for Application Security launched across India

With digital transformation and citizen centric services, exposure to sophisticated cyber threats has grown exponentially.

Growing trend of cyber attacks, exploiting application vulnerabilities could lead to possible compromise of websites/applications.

Confidentiality, Integrity and Availability of Information Systems and Data are a major challenge.

Website hacking, data thefts, financial frauds etc are prevalent and on an upward swing.

Traditional security protection is usually not sufficient to safeguard applications from today’s threats.

Security posture is changing frequently due to evolving requirements as well as the threats.
NIC Service Desk

Single-window Platform for resolving various service related issues / requests

- Single point of contact for users for all NIC services
- Fastest possible routing of issues to the concerned
- Transparency and accountability
- Timely resolution with provision for escalations
- Detailed response to users’ issues with feedback

- 6,00,000+ serviced tickets
- 4000+ new tickets per day
- 25+ districts
- 1000+ govt. offices
- 30+ core NIC services
- 550+ states
- 25+ states
- 30+ core NIC services