Digital India Programme
Digital India
To transform India into a digitally empowered society and knowledge economy

Digital Infrastructure as a Utility to Every Citizen
- High speed internet
- Unique digital identity
- Mobile phone & bank account
- Common Services Centre
- Private space on Cloud
- Secure cyber-space

Governance & Services on Demand
- Integrated services
- Online and Mobile Services
- Portable Citizen entitlements
- Ease of doing business
- Financial transactions electronic & cashless
- GIS as Decision Support System

Digital Empowerment of Citizens
- Digital literacy
- Digital resources
- Indian languages
- Participatory Governance
- Electronic submission of documents
Over the last 5 years, Digital India has laid a robust foundation for India to embark on Digital Transformation
National Public Digital Platforms

- Aadhaar: 129 Cr authentications
- GeM: 5403 Cr DBT Savings
- UPI: 52,006 Buyer Orgns., 17.7 L Sellers
- SIS: 264 cr Volume Apr’21, ₹5 L cr Value Apr’21
- Tax Payers: 1.28 cr
- Micro-Credit to MSMEs: ₹33.4 L Cr collected on portal

- Order value (Saving ₹500 Cr): ₹1.13 Lakh Cr
- Leading payment mode (within 4 years): ₹1.8 Lakh Cr
BharatNet: Connecting Rural India

- **1 Million km** OFC to be laid to connect 250K GPs
- OFC laid for **5,19,097 km**
- OFC laid in **1,71,395 Gram Panchayats**
- Wi-Fi planned in **1,05,000 GPs** and operational in **64K GPs**
- Wi-Fi hot spots being setup on PPP mode

**Phase 1:** 100,000 GPs  
**Phase 2:** 130,000 GPs

1,58,753 GPs to which OFC Connected and Equipment Installed

Partnership with States + Private Sector for Phase II

- OFC Laid (KM)
  - 358: June, 2014
  - 360 K: Aug, 2019
  - 519 K: May 2021
National Knowledge Network
World’s Largest Knowledge Network for Education + R&D

- High speed connectivity to **1,632 institutions + Universities**
- Linked to **Trans-Eurasian Information Network (TEIN)** – 40,000 Institutions
- Connectivity with Research Institutions in **Singapore and Amsterdam**
- Connectivity with Research Networks in **USA and CERN Geneva** being established
- Linkage with **SAARC countries** being done

Multiple 2.5/10 Gb Connecting all State Capitals
Connected 500+ Districts
Meghraj – Government of India’s Cloud

- **Cloud First** Policy
- **1000+ Applications** on NIC cloud; **17,445** virtual servers
- **DigiLocker** provides dedicated cloud space to every citizen
- **13 Private Cloud Service Providers** empanelled
- **50+ Ministerial & PSU’s applications** on Pvt. Cloud
Common Services Centers: Employment & Access

WORLD’S LARGEST RURAL eSERVICE FACILITIES

- **374 K** CSCs Operational
- **278 K** CSCs Operational at GP level (Target: 250 K GPs)
- **50** Central & **>300** State services offered
- **35 Mn** monthly Transactions (March’21)
- **1.2 Mn** employment generated

G2C + B2C

- E-District Services
- Utility Bill Payments
- Digital Literacy
- IRCTC Tickets
- E-Banking
- Face masks
- Certificates
Government e-Marketplace (GeM)

- Launched in **Aug 2016**
- End to end procurement cycle
- Minimal human intervention
- Leveraging e-commerce technology for Government procurement
- Transparent and ease of buying

- **52,016** Buyer Organizations
- **17 Lakh** Sellers/Service providers
- **31 Lakh** Products
- **₹1.1 Lakh crore** Order
Mission Mode Projects (44 MMPs)

**CENTRAL MMPs (15)**
- Banking
- Insurance
- Income Tax
- Central Excise
- MCA 21
- Pensions
- Passport
- National ID / UID
- Immigration / Visa
- e-office
- Posts
- NMEICT (Higher Edn)
- CAPF
- e-Bhasha
- e-Sansad

**STATE MMPs (17)**
- Transport
- Land Records
- e-District
- Commercial Taxes
- Treasuries
- Municipalities
- Agriculture
- PDS
- Employment Exchange
- Education (School)
- Health
- Rural Development
- e-Panchayat
- CCTNS (Police)
- Agriculture 2.0
- e-Vidhaan
- Women & Child Develp.

**INTEGRATED MMPs (12)**
- India Portal
- CSC
- Financial Inclusion
- EDI (e-Trade)
- e-Courts
- e-Procurement
- e-Biz
- NSDG
- Social Benefits
- Road and Highways
- NGIS
- Urban Governance
Transforming Governance: Direct Benefits Transfer

- **320**Govt. schemes using DBT for disbursements
- **₹ 15.2 lakh crore** disbursed
- **₹ 1.8 lakh crore** savings
  - ₹ 71.3 K crore on LPG
  - ₹ 66.9 K crore on PDS
  - ₹ 25.7 K crore on MGNREGS
  - ₹ 10 K crore on Fertilizer Subsidy
  - ₹ 524 crore on NSAP
  - Rest on Others

- **₹ 524 crore on NSAP**
Digital Locker: Moving to Paperless Transactions

4.28 Billion documents made available through DigiLocker

200+ Types of Documents – Driving License, Passport, Pan, Voter Id, Caste Certificate, Class X/XII Passing Certificate etc

No. of available documents : 4.28+ Bn
No. of Issuer Organizations : 1138
No. of Requester organizations: 162

Rule 9A. Issuing Certificate in Digital Locker System and accepting certificate shared from Digital Locker Account at par with Physical Documents

DigiLocker notified as NAD and e-Health Locker

Mauritius  Kazakhstan  Ghana
Unified Mobile App for New Age Governance

- One Mobile App for Govt services
- Multiple Regional Languages Support (12 no.s)
- Saving storage space | Built-in Analytics
- 20880 Services Operational from 250 Departments
- 29 Mn+ registrations And 1.5 Bn+ Transactions

1 International and 3 National level Awards

‘Best M Government Service’ award from UAE Government

Mauritius | Sri Lanka | UAE
National Centre of Geo-Informatics (NCoG)

- GIS Platform developed
- Developed in-house using open source software
- 1:5000 scale basemap
- Compatible with multi-purpose geo-datasets
- User can plot the assets and features on their own

Central GIS Projects

- Government: Land Information System
- Mining Surveillance System
- Industrial Information System
- Rural Electrification System

State GIS Projects

- Telangana
  - Heat Map
- Nagaland
  - Village Amenities
- Uttar Pradesh
  - Sports and Youth
- Haryana
  - Haryana Information System

580 Applications from Central & States - Operational
Rapid Assessment System

Key Features
- Multiple channels of feedback – SMS and Portal
- Trigger based service integration with Dept. Process Flow
- Localisation Support (Multiple languages)
- Integration through APIs
- Analytical Reports and Dashboards
- Easy to configure by users

28 Integrated States / UTs
388 Integrated Departments
2106 Integrated Services
16,22,26,966 Requests for Feedback
Digital Literacy

**DISHA**

- **Digital Saksharta Abhiyan (2014)**
- Target **5.25 Mn** in 4 years
- Trained **8.27 Mn** in 2.5 years
- Project’s target completed by **2017**

**Pradhan Mantri Gramin Digital Saksharta Abhiyan (PMGDISHA)**

- New Scheme initiated in 2017
- Target to train **60 Mn new** beneficiaries in rural areas
- Target is to make one person digitally literate per family

**PMGDISHA**

- Registered Candidates **47978151**
- Training Centers **373927**
- Training Completed **40355745**
- Certified Students **29857039**
Innovative Digital Payment Modes

New payment modes launched to cater to varying payment needs

- BHIM Unified Payments Interface (UPI) (Launched in Aug 2016)
- BHIM USSD (Launched in Dec 2016)
- Aadhaar Enabled Payment System (Launched in 2013)
- BHIM Aadhaar for Merchants (Launched on 14th April 2017)
- Low-cost interoperable acceptance mechanism (Launched in Feb 2017)
- 469 Toll Plazas as of Nov 2018
- Bharat Bill Payment System for Utility bill Payments (Launched in Sep 2016)
- 48 Non-bank Pre Paid Instrument Providers licensed by RBI
- RuPay Card
- National Common Mobility Card - launched

Wallets

Other Key Products
COVID Related Major Initiatives

- 16.26 Crore vaccinated
- 3.15 Crore got dose 2 vaccination
- 18.28 crore downloaded
- 29.67 crore total samples tested
- Integrated with COWIN

- Tele-consultations between doctors in a hospital and patients
- 1.28 lakh Tele-consultation hours
- EPFO COVID-19 Advance
- Online learning Apps - ePaathshaala
- Blood availability app ‘e-Raktkosh’
- Online Registration Service
- Feedback mechanism for COWIN on RAS

UMANG

- 16.26 Crore
- 3.15 Crore

Aarogya Setu

- 18.28 crore
- 29.67 crore

C-WIN

- 16.26 Crore
- 3.15 Crore

ESanjeevaniOPD

- 16.26 Crore
- 3.15 Crore

19
COVID Related Major Initiatives (Contd.)

Helpdesk & Contact Details

Awareness Material

Training Material

Advisories & Guidelines

Social Media Hub

Other Initiatives

- Video Conferencing Facility
- E-Office
- Public Finance Management System
- Virtual Private Network
- Ayush Sanjivani
- eRaktkosh
- SWAYAM PRABHA
- Integrated Govt. Online Training (iGOT)
- Diksha Platform
- SWAYAM

MyGov Saathi, Corona Helpdesk, Corona NewsDesk

Promotion of AtmaNirbharBharat, Aarogya Setu, Vaccination Drive

Challenges: Covid Innovation, ShriShakti, VC Development, AI Challenge, etc

12,000 Food/ Night Shelters from 743 Cities were mapped

10+ Crore page views on dedicated page on COVID (Active since March 2020)
Digital India 2.0
# Digital India 2.0

Harnessing digital technology & fostering innovation for inclusive, strong, secure and sustainable Digital Economy

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<th>Strategic Pillar</th>
<th>Outcome</th>
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<td>Digital Services</td>
<td>Improved service delivery leveraging public digital platforms</td>
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<td>Digital Inclusion</td>
<td>Technology enabled equitable access to opportunities</td>
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<td>Digital Infrastructure</td>
<td>Next generation network, cloud, access infrastructure</td>
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<td>Digital Confidence</td>
<td>Transparency, trust and security</td>
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<tr>
<td>Digital Economy</td>
<td>Technology driven sustainable economic growth</td>
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<tr>
<td>Emerging Technology</td>
<td>Use of AI, Blockchain, IoT, AR/VR, Drone in enhancing efficiency</td>
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Digital Platforms

National Public Digital Platforms in Health, Agriculture and Education

National Public Digital Platform in Health

- National Digital Health Blueprint – Prepared
- National Digital Health Mission – Launched on August 15, 2020
- Implementation initiated in 6 Union Territories

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<tr>
<th>National Digital Agriculture Platform</th>
<th>IDEA – Digital Ecosystem Agriculture blueprint (in advanced stage – to be circulated for public consultation soon)</th>
<th>MoAFW</th>
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</table>
| National Digital Education Architecture (NDEAR) | NDEAR Blueprint – Draft prepared  
- Announced in Budget | MoE – DoSE&L |

MoAFW – Ministry of Agriculture, forestry and water management
MoE – Ministry of Education
DoSE&L – Department of Science and Technology, Electronics and Information Technology
Digital Inclusion

Common Services Centres

Status as on March 2021

- Women VLEs: 40,137
- CSCs at GPs: 2.8 lakh
- Monthly transaction: 3.5 lakh
- CSCs (Urban & Rural): 3.74 lakh

1 lakh Digital Villages

- Financial Services
- Certificates, PAN, Passport
- Tele Medicine / Law
- WiFi and FTTH
- Utility bills and ticketing
- PMGDISHA
- Stree Swabhiman
- Fasal Bima
- Shram Yogi Mandhan
- Ayushman Bharat

12 Lakh Employment

800 Digital Villages

In collaboration with various Ministries
Digital Inclusion
Natural Language Translation Mission

• Harnessing Natural Language Processing and AI to overcome language barrier
  ✓ Make the wealth of internet knowledge available in major Indian languages
  ✓ Speech to Speech translation in all Indian languages (10 years goal)
• Language technology solutions and services involving industry and startups
• Mission team for each major language
• Stimulate massive public participation

Tools to progressively improve large scale translation
Like a Bahu-Bhashiya sitting beside every Indian
Solutions for speech recognition, translation & text to speech
Towards One India
Digital Infrastructure
Global Hub for Hyperscale Data Centres

Existing Digital Infrastructure

• National and State Data Centres
• National Knowledge Network
• State Wide Area Networks
• Empaneled Cloud Service Providers
• BharatNet: 3Lakh+ Kms of OFC

Future Ready Digital Infrastructure

• Strengthen National/State Data Centres for Critical Applications and Data
• Attract investments in Hyperscale Data Centres
• Design and development of Petaflop Supercomputers in India
• NKN 2.0 – Digital India Infoway

Robust Digital Foundation

- Data intensive projects & platforms
- Hi-tech manufacturing
- Cloud services - India as a Global Hub
- Internet Resilience
- Connected Government
Network of Networks

- Secure Core network on multi-100 Gbps
- On-board all Universities, Colleges & Schools
- Connect Govt. offices across the country
- Create sectoral networks (Health, Courts etc.)
- International collaboration and research
Digital Confidence
Transparency, Trust and Security

- Data Protection Law and Strengthening IT Act
- New National Cyber Security Policy
- Strengthen CERT-IN, Sectoral CERTs & NCCC
- Enhance Cyber Security of Govt. ICT Infrastructure
- Indigenous Cyber Security Software Products
- Large Scale Capacity Building in Cyber Security
- Security Standards & Labs for Electronic Products

Secure Indian Cyber Space
Citizen Confidence in Digitisation
Trusted Electronics Supply Chain
Indian Cyber Security Stack

Enhanced Data Security
Digital Economy
IT-BPM leading Growth

Leading global outsourcing destination in IT and IT enabled Services

IT-BPM Revenue Growth (in USD and in Billion)

2014-15: 21, 21.7, 24, 26, 28
2015-16: 97.8, 107.8, 117, 125, 136
2016-17: 118.8, 129.5, 141, 151, 164

National Mission on Software Products (Goals for 2025)

- Develop India as a Software Product Nation
  - Indian Software Products for India and World
- 10,000 Software Product Startups
- 20 Product Development Clusters
- 10 lakh strong talent pool for Product Industry
- Catalysing Global products from India
  - HSN Code and Market Access

Future Skills

- 7 Lakh people to be trained on latest skills
- AI, Machine Learning, Blockchain, IoT, Drone, AR/VR ...

Almost all global IT Giants present in India (R&D)
Digital Economy
Electronics Manufacturing – Expand and Export

Focus alignment from Import Substitution to Exports + Production Linked Incentives

National Policy on Electronics 2019 (Goals for 2025)

- 40% Value Addition
- $70 billion Investment
- $400 Bn Production
- 1 Crore Jobs
- $150 Bn Exports
  - Mobiles: $110 Bn

Value Addition:
- Mobile Handsets (Units in Crore): 15-20%
- LCD/LED TVs (Units in Crore): 12-15%
- LED Products (Rs in Crore): 30-35%

Electronics Production – Import – Export (USD Billion)

CAGR
- 2014-15: 38
- 2015-16: 41
- 2016-17: 49
- 2017-18: 60
- 2018-19: 70

Production, Imports, Exports

2014-15: 29
2015-16: 37
2016-17: 43
2017-18: 53
2018-19: 57
Emerging Technologies

- AI
- Blockchain
- AR/VR
- Robotics
- Others...

National Programme on Artificial Intelligence

National Strategy on Blockchain

Centres of Excellence in Emerging Technology (AI, Blockchain, Analytics, IoT, VFX, AR/VR, Drones & Robotics)
Centres of Excellence in Emerging Technologies

Artificial Intelligence, Blockchain, Drones, Analytics, 3D, VFX, Robotics, etc

India’s most vibrant startup-enterprise program
- MeitY initiative in partnership with state Governments, industry and academia

Pan India Presence with Hub & Spoke Model

- Incubation
- Mentorship
- Acceleration
- Industry Connect
- Innovation Labs
- Investor Connect

Academia & Research Institutions Engagement

MeitY supporting 2,265 Technology Star-ups, 371 Incubators, 22 Centres of Excellences
THANK YOU