

What is Digital India?

- Digital India is a **Programme to prepare India for a knowledge future.**
- The focus is on being **transformative – to realize IT + IT = IT**
- The focus is on making **technology central to enabling change.**
- It is an **Umbrella Programme** – covering many departments.
 - It weaves together a large number of ideas and thoughts into a **single, comprehensive vision** so that each of them is seen as part of a larger goal.
 - Each individual element stands on its own. But is also part of **the larger picture.**
 - It is **coordinated by DeitY, implemented by the entire government.**
 - The weaving together makes the Mission **transformative in totality**
- The Programme:
 - Pulls together many **existing schemes.**
 - These schemes will be **restructured and re-focused.**
 - They will be **implemented in a synchronized manner.**
 - Many elements are only **process improvements with minimal cost.**
- The **common branding** of programmes as **Digital India** highlights their transformative impact.

Vision of Digital India

Centered on 3 Key Areas

- Digital Infrastructure as a Utility to Every Citizen
- Governance & Services on Demand
- Digital Empowerment of Citizens

Vision Area 1: Infrastructure as a Utility to Every Citizen

- **High speed internet** as a core utility
- **Cradle to grave digital identity** -unique, lifelong, online, authenticable
- **Mobile phone & Bank account** enabling participation in digital & financial space
- Easy access to a **Common Service Centre**
- Shareable **private space on a public cloud**
- **Safe and secure Cyber-space**

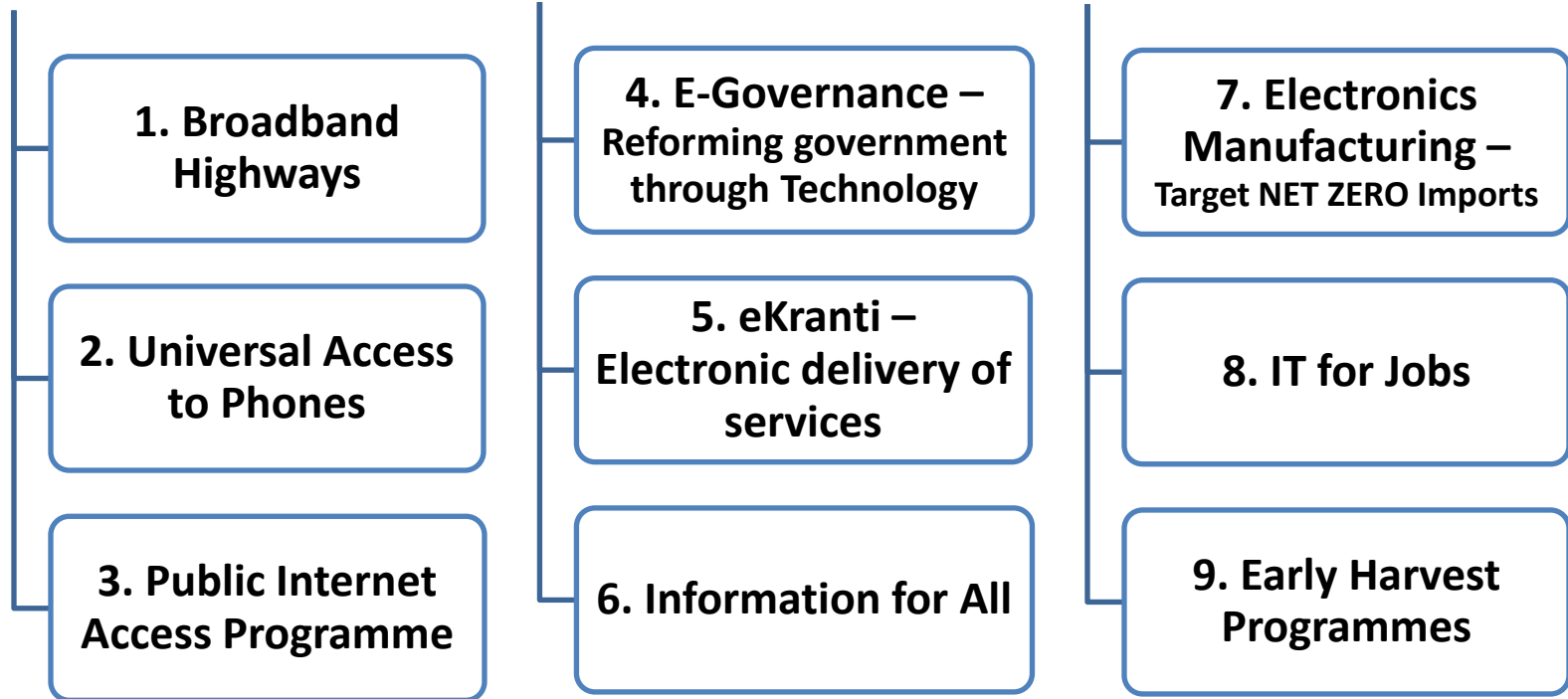
Vision Area 2: Governance & Services On Demand

- **Seamlessly integrated** across departments or jurisdictions
- Services **available in real time** from online & mobile platform
- **All citizen entitlements** to be available **on the cloud**
- Services digitally transformed for improving [Ease of Doing Business](#)
- Making **financial transactions electronic & cashless**
- Leveraging GIS for **decision support systems & development**

Vision Area 3: Digital Empowerment of Citizens

- Universal **Digital Literacy**
- Universally accessible **digital resources**
- **All documents/ certificates to be available on cloud**
- Availability of digital resources / services in **Indian languages**
- **Collaborative digital platforms** for participative governance
- **Portability** of all entitlements through **cloud**

Nine Pillars of Digital India



Pillar 1. Broadband Highways

Broadband for all Rural

- Coverage: 250,000 GP
- Timeline: December 2016
- CAPEX: Rs 32,000 Cr
- Nodal Dept: DoT

1yr: 50,000 GP

2yr: 100,000 GP

3yr: 100,000 GP

Broadband for all Urban

- Virtual Network Operators for service delivery.
- Mandate communication infrastructure in new urban development and buildings.

Changes in Rules to facilitate.

National Information Infrastructure

- Coverage: Nationwide
- Timeline: March 2017
- Cost: Rs 15,686 Cr
- Nodal Dept: DeitY

Integration of SWAN, NKN, NOFN. To be implemented in 2 years

Pillar 2. Universal Access to Mobile connectivity

Universal Access to mobile connectivity

- **Coverage:** Remaining uncovered villages (~ 42,300 villages)
- **Timeline:** FY 2014-18
- **Cost:** Rs 16,000 Cr
- **Nodal Dept:** DoT

Ongoing Programme
Increased network
penetration &
coverage of gaps

Pillar 3. Public Internet Access Programme – National Rural Internet Mission

CSCs –

made viable, multi-functional end-points for service delivery

- **Coverage:** 2,50,000 villages (now 130,000)
- **Timeline:** 3 Years - March 2017
- **Cost:** Rs 4750 Cr
- **Nodal Agency:** DeitY

Ongoing Programme

Reach of Govt. services to all GPs

Post Offices

to become
Multi-Service Centres

- **Coverage:** 1,50,000 Post Offices
- **Timeline:** 2 Years
- **Nodal Agency:** D/o Posts

This should be
long term vision
for POs

Pillar 4. e-Governance: Reforming Government through Technology

- Government **Business Process Re-engineering** using IT to improve transactions
 - Form Simplification, reduction
 - Online applications and tracking, Interface between departments
 - Use of online repositories e.g. school certificates, voter ID cards, etc.
 - Integration of services and platforms – UIDAI, Payment Gateway, Mobile Platform, EDI
- **Electronic Databases** – all databases and information to be electronic, not manual
- **Workflow automation** inside government
- **Public Grievance Redressal** - using IT to automate, respond, analyse data to identify and resolve persistent problems – largely process improvements
- **To be implemented across government - critical for transformation.**

Pillar 5. eKranti - Electronic Delivery of Services

- **Technology for Education – e-Education**
 - All Schools connected with broadband
 - Free wifi in all schools (250,000)
 - Digital Literacy program
 - MOOCs – develop pilot Massive Online Open Courses
- **Technology for Health – e-Healthcare**
 - Online medical consultation
 - Online medical records
 - Online medicine supply
 - Pan-India exchange for patient information
 - Pilots – 2015; Full coverage in 3 years
- **Technology for Planning**
 - GIS based decision making
 - National GIS Mission Mode Project
- **Technology for Farmers**
 - Real time price information
 - Online ordering of inputs
 - Online cash, loan, relief payment with mobile banking
- **Technology for Security**
 - Mobile Emergency Services
- **Technology for Financial Inclusion**
 - Mobile Banking
 - Micro-ATM program
 - CSCs/ Post Offices
- **Technology for Justice**
 - e-Courts, e-Police, e-Jails, e-Prosecution
- **Technology for Security**
 - National Cyber Security Co-ordination Center

Ongoing Programme (NeGP) – will be revamped to cover these elements

Pillar 6. Information for All

- **Online Hosting of Information & documents**
 - Citizens have open, easy access to information
 - Open data platform
- **Government pro-actively engages through social media** and web based platforms to inform citizens
 - MyGov.in
 - **2-way communication** between citizens and government
- **Online messaging** to citizens on special occasions/programs
- **Largely utilise existing infrastructure** – limited additional resources needed

Pillar 7. Electronics Manufacturing

Target NET ZERO IMPORTS by 2020

- **Target NET ZERO Imports is a striking demonstration of intent**
- **Ambitious goal** which requires coordinated action on many fronts
 - Taxation, Incentives
 - Economies of Scale, Eliminate cost disadvantages
 - **Focused areas – Big Ticket Items**
 - FABS, Fab-less design, Set top boxes, VSATs, Mobiles, Consumer & Medical Electronics, Smart Energy meters, Smart cards, micro-ATMs
 - Incubators, clusters
 - Skill development
 - Government procurement
- There are many ongoing programs which will be fine-tuned.
- **Existing Structures inadequate to handle this goal. Need strengthening.**

Pillar 8. IT for Jobs

Train people in smaller towns & villages for IT sector jobs

- Coverage: 1 Crore students
- Timeline: 5 years
- Cost: Rs 200 Cr for weaker sections
- Nodal Agency: DeitY

New Scheme

IT ready workforce

IT/ITES in NE

- Scope: Setting up of BPO per NE State
- Coverage: NE States
- Nodal Agency: DeitY

ICT enabled growth in NE

Train Service Delivery Agents to run viable businesses delivering IT services

- Coverage: 3,00,000
- Timeline: 2 Years
- Nodal Agency: DeitY

Ongoing

Skilled VLEs and Viable CSCs

Telecom service providers to train rural workforce to cater to their own needs

- Coverage: 5,00,000
- Timeline: 5 Years
- Nodal Agency: DoT

Telecom ready workforce

Pillar 9. Early Harvest Programmes

IT platform for messages

- Coverage: Elected representatives, All Govt employees
- 1.36 Cr mobiles and 22 Lakh emails
- Mass Messaging Application developed

Targeted Mass
messaging since
July 14

Government Greetings to be e-Greetings

- Basket of e-Greetings templates available
- Crowd sourcing of e-Greetings thru MyGov
- e-Greetings Portal ready by 14 August 2014

1st e-Greeting
from PM on 15th
Aug 2014

Biometric attendance

- Coverage: All Central Govt. Offices in Delhi
- Operational in DeitY & Initiated in Urban Development
- On-boarding started in other depts
- Procurement of devices – tender issued

To be completed
by Oct 2014

Pillar 9. Early Harvest Programmes

Wi-fi in All Universities

- Scope: All universities on NKN
- 400 additional Universities
- Cost: Rs 790 Cr

**Approval - Oct 2014
Implementation
done by Dec 2015**

Secure email within government

- Phase I upgradation for 10 Lakh employees done
- Ph II for 50 Lakh employees by March 2015
- Cost: Rs 98 Cr

**Email to be primary
mode of
communication**

Standardize government email design

- Standardised templates under preparation

**To be ready by
October 2014**

Pillar 9. Early Harvest Programmes

Public wifi hotspots

- **Coverage:** Cities with pop > 1 Mill., tourist centres
- **Nodal Agency:** DoT/ MoUD

**Digital Cities
Completed by Dec
2015**

School Books to be eBooks

- **Nodal Agency:** MHRD/ DeitY

**Completed by Mar
2015**

SMS based weather information, disaster alerts

- **DeitY's Mobile Seva Platform ready**
- **Nodal Agency:** MoES (IMD) / MHA (NDMA)

**In place by Dec
2014**

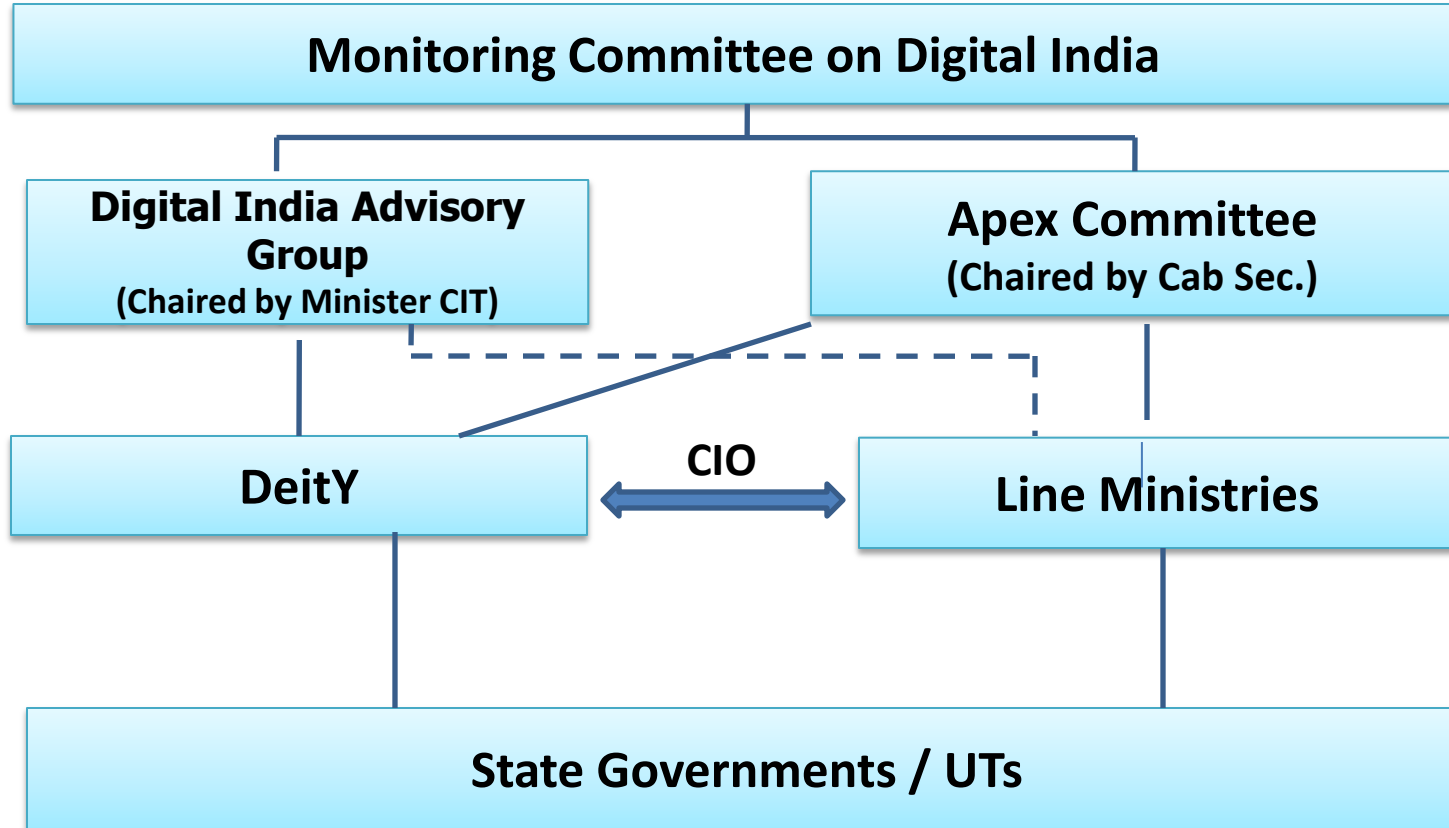
National Portal for Lost & Found children

- **Nodal Agency:** DeitY/ DoWCD

**In place by Oct
2014**

DIGITAL INDIA

Institutional Mechanisms at National Level



Composition of Monitoring Committee on Digital India

- **Prime Minister – Chairman**
- Finance Minister
- Minister of Communications & IT
- Minister of RD
- Minister of HRD
- Minister of Health

Special Invitees:

- Principal Secretary to PM
- Cabinet Secretary
- Secretaries of Expenditure, Planning, DoT and Posts
- Secretary, DeitY – Convener

DIGITAL INDIA

MINISTER
(Communications & IT)

SECRETARY
(DeitY)

Reorganisation of NIC

CIOs in important Ministries

Addl. Secretary
(e-Gov)

Joint Secretary
(Electronics Hardware
Manufacturing)

Joint Secretary
(Personnel, Admn. &
Industry Promotion S/W)

Addl. Secretary
(Digital India)

**Electronic Manufacturing –
Target Net Zero Imports**

Joint Secretary
(e-Gov)

**Electronic Delivery of
Services - eKranti**

Joint Secretary
(Infrastructure
Development)

**Public Internet Access
Programme**

Joint Secretary
(Capacity Building &
Digital Enablement
of Citizens)

Technology for Jobs

Information for All

Joint Secretary
(IT applications in un-
covered areas &
Process Re-engineering)

**E-Governance: Reforming
Government through
Technology**

Estimated Costs and Impacts

■ Overall Costs of Digital India

- ~ Rs 100,000 Cr in ongoing schemes (only DeitY, DOT & not incl. those in other line Ministries)
- ~ Rs 13,000 Cr for new schemes & activities

■ Impact of Digital India by 2019

- Broadband in 2.5 lakh villages, universal phone connectivity
- Net Zero Imports by 2020
- 400,000 Public Internet Access Points
- Wi-fi in 2.5 lakh schools, all universities; Public wi-fi hotspots for citizens
- Digital Inclusion: 1.7 Cr trained for IT, Telecom and Electronics Jobs
- Job creation: Direct 1.7 Cr. and Indirect at least 8.5 Cr.
- e-Governance & eServices: Across government
- India to be leader in IT use in services – health, education, banking
- Digitally empowered citizens – public cloud, internet access

Challenges & Changes Needed

- **Program on this scale never conceived**
- **Each Pillar/program has own challenges**
- **Human Resource Issues**
 - NIC - not equipped for a fraction of this task (obsolesce) - needs revamping & restructuring
 - DeitY – needs program managers – at least 4 more officers at senior levels
 - **Ministries – Need a Chief Information Officer / Chief Technology Officer (CIO/CTO)**
 - Could begin with CIOs 10 major Ministries
 - Can be anyone – from within or outside government
 - To be patterned as AS & FAs – dual reporting
- **Financial Resource Issues**
 - Mostly structured around ongoing programs : Better focus, need some restructuring
 - Some others are process improvements or better utilisation of resources
 - A few new programs may be needed – particularly in Electronics manufacturing and Skill Development
- **Coordination Issues**
 - Program covers many other departments
 - Need commitment and effort
 - Leadership and support critical for success

THANK YOU