Department of Electronics & Information Technology
Government of India

E-Governance -Digital India

A programme to transform India into a digitally empowered society and knowledge economy

OTs – Special Foundation Course, 13 October 2015

National Institute for Smart Government

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**
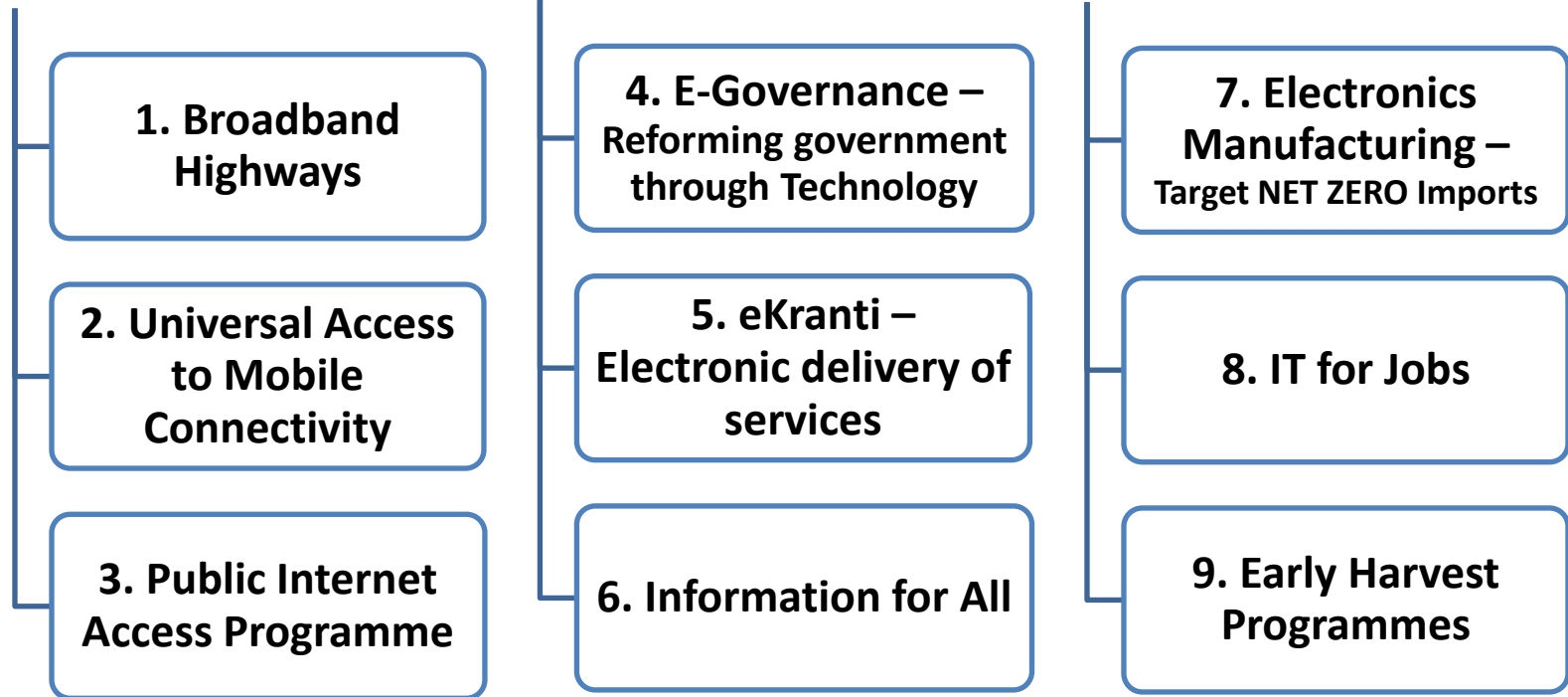
Vision Area 2: Governance & Services On Demand

- **Seamlessly integrated** across departments or jurisdictions
- Services **available in real time** from online &mobile platform
- **All citizen entitlements** to be portable & 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**

- Availability of digital resources / services in **Indian languages**

- **Collaborative digital platforms** for participative governance

- **Citizens** not required to physically submit Government documents / certificate

Nine Pillars of Digital India

1. Broadband Highways

2. Universal Access to Mobile Connectivity

3. Public Internet Access Programme

4. E-Governance – Reforming government through Technology

5. eKranti – Electronic delivery of services

6. Information for All

7. Electronics Manufacturing – Target NET ZERO Imports

8. IT for Jobs

9. Early Harvest Programmes

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 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 (~ 55,669 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

<u>Ongoing Programme</u>
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

NeGP will be revamped to cover these elements

Status of MMPs under e-Kranti
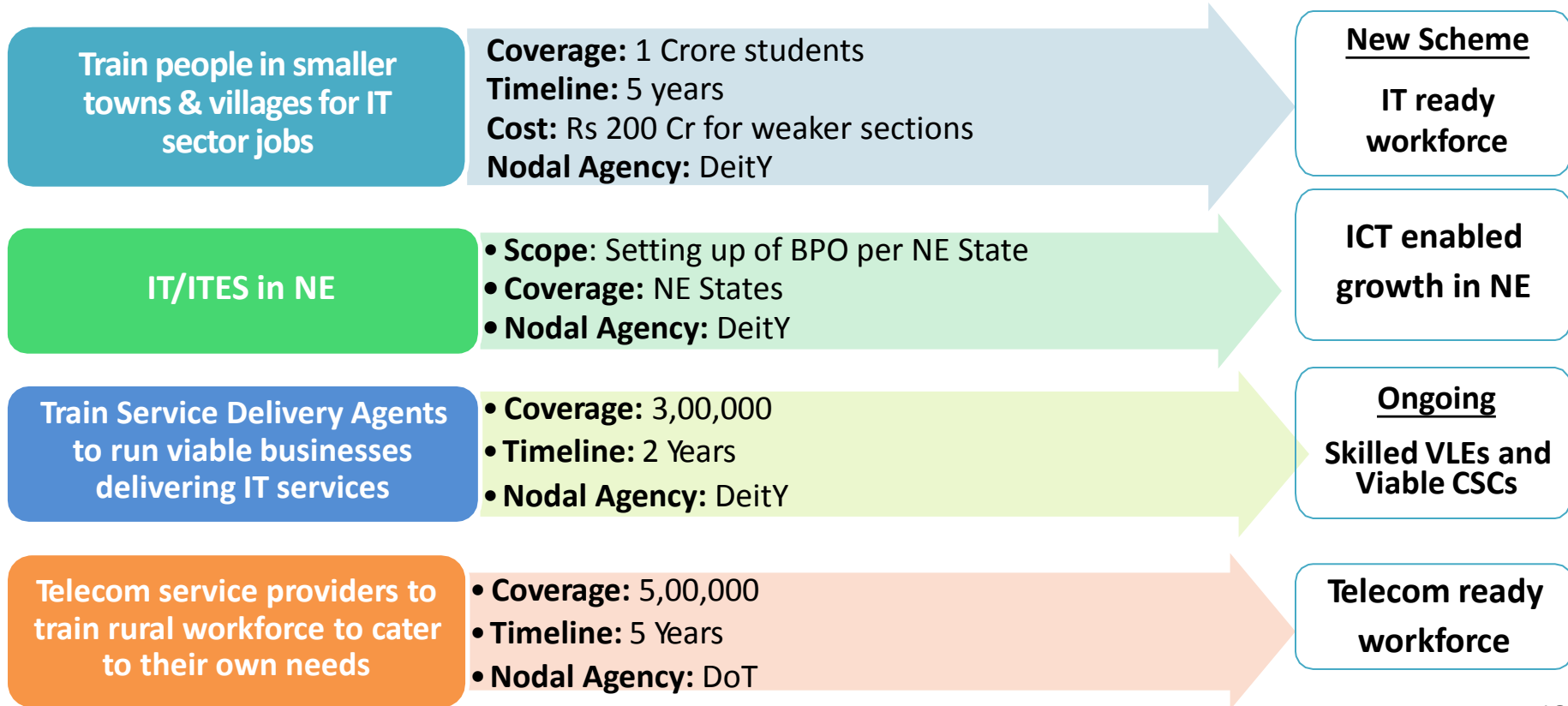
Pillar 6. Information for All

- **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 Developme
- 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**

Progress on nine pillars of Digital India programme

- **Pillar 1: Broadband Highways**
  - Idukki district - First rural Broadband enabled district launched on 12.01.15
  - Optical Fibre reached 16,840 Gram Panchayats till April 2015
  - EFC Note on National Information Infrastructure moved
- **Pillar 2: Universal Access to Mobile Connectivity**
  - 55,669 villages in the country do not have mobile coverage
  - DPR for 4,752 uncovered villages in Himalayan States near completion
- **Pillar 3: Public Internet Access Programme : National Rural Internet Mission**
  - SFC note on CSC 2.0 under approval process
  - Rollout in Indian Post Offices commenced in all circles
  - 2148 post offices for CBS and 9785 Post Offices for CIS migrated
  - ATM services installation commenced in 11 Post Offices

Progress on nine pillars of Digital India programme

- **Pillar 4: eGovernance: Reforming Government Through Technology**
  - Implementation approach shared with all Central Ministries/ Depts. on 22.10.2014
  - GPR guidelines shared with DARPG on 22.10.2014 for finalization. DARPG circulated the same to all Central Depts for obtaining inputs
  - Data Digitization and Aadhaar seeding initiated in various depts.

- **Pillar 5: e-Kranti (NeGP 2.0)**
  - Cabinet Note on e-Kranti approved on 25.03.15
  - Portfolio of MMPs increased from 31 MMPs to 44 MMPs

- **Pillar 6: Information for All**
  - MyGov platform implemented and delivering services. > 9 Lakh registered users
  - 33 Groups, 182 discussion themes, 166 tasks published

Progress on nine pillars of Digital India programme

- **Pillar 7: Electronics Manufacturing**
  - Cabinet Note on revised MSIPS submitted
  - Inter-ministerial consultation on DCN on the Electronics Fund over and the inputs received incorporated
  - Skill Development – PhDs incentives operational
  - Incubators established at IIT Patna for medical electronics and at IIT Delhi

- **Pillar 8: IT for Jobs**
  - North East BPO Promotion Scheme (NEBPS) approved and STPI as IA selected
  - 'Training for Skill Development of 55 Lakh Citizen including candidates from SC/ST/Women/BPL Section in the area of ICT over a period of 4 years under Phase-I' submitted for approval

Progress on nine pillars of Digital India programme

- **Pillar 9: Early Harvest Programme**

  - Government greeting to be eGreetings

  - eSAMPARK operational

  - Jeevan Pramaan operational

  - Portal for Lost and Found Children implemented **(khoyapaya.nic.in)**

  - Bio-metric Attendance System operational **(~94,000 Registered Employees)**

  - Free Wi-Fi Hotspots – BSNL to provide free Wi-Fi at four monuments identified by M/o Culture, ASI

  - SMS alerts for disaster and weather forecasting operational

  - eBooks platform ready (ebasta.in)

Other important implementations under Digital India

- Digital India Portal

- Digital Locker System

- National Scholarships Portal

- E-Hospital (Online Registration System)

- Digitize India Platform

DIGITAL INDIA

Institutional Mechanisms at National Level

Monitoring Committee on Digital India

Digital India Advisory Group
(Chaired by Minister CIT)

Apex Committee
(Chaired by Cab Sec.)

DeitY

CIO

Line Ministries

State Governments / UTs
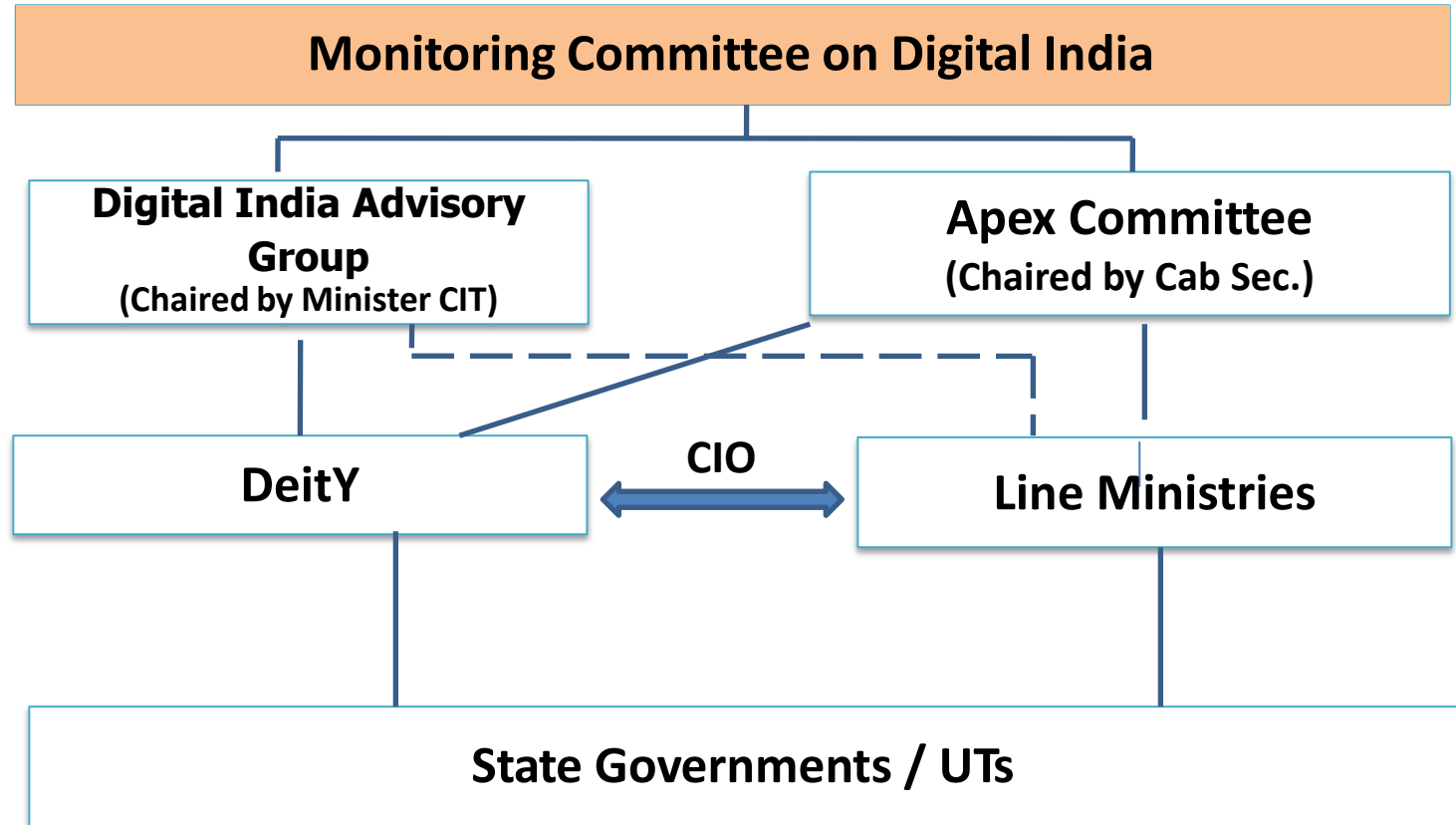
Institutional Mechanisms at State level

State Government

State Committee on Digital India(CM)

State Apex Committee (CS)

State DIT

Departmental Committee

SeMT

PeMT

Program Management

Program Management
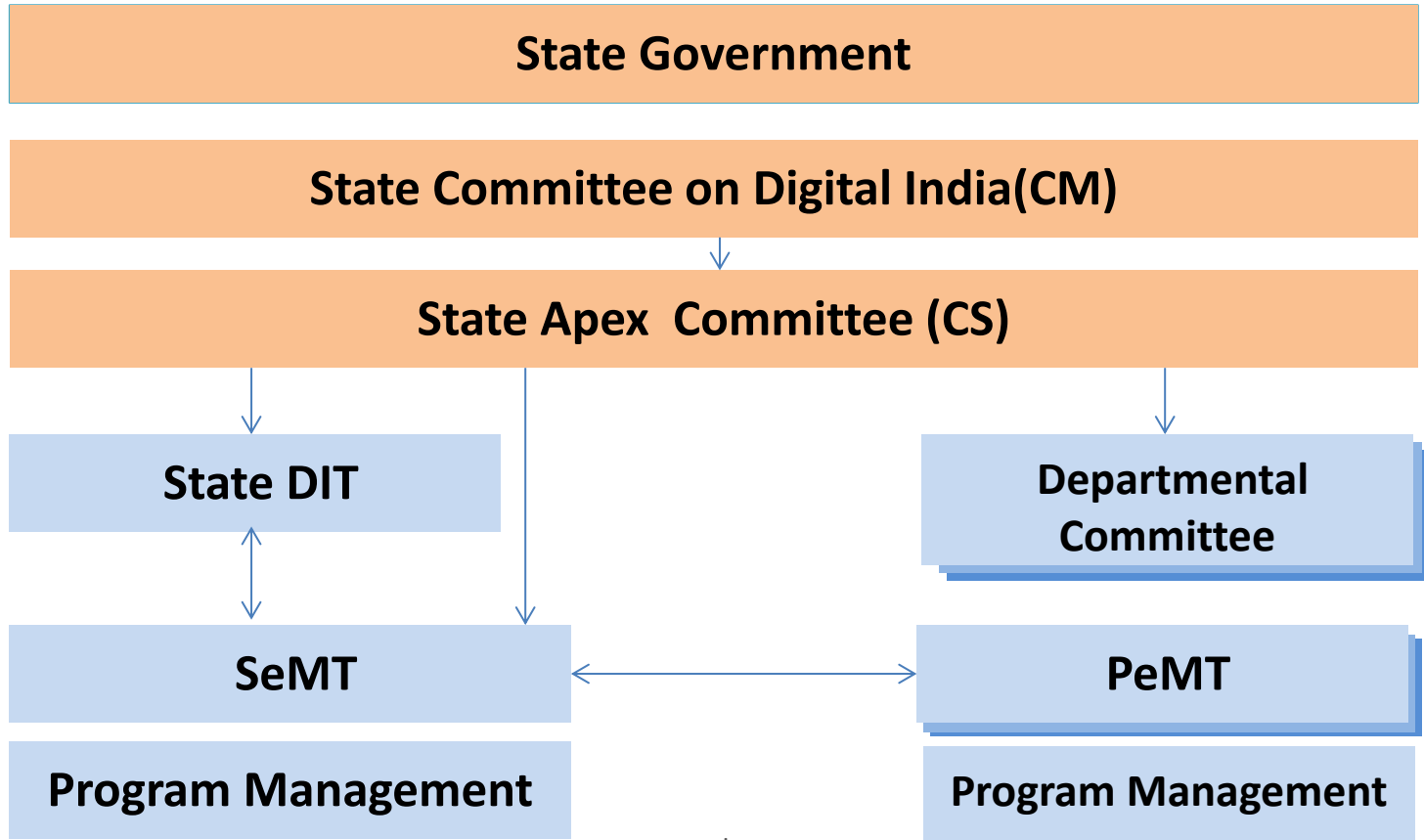
Thank You

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