New India
Digital India
Digital India is a globally unprecedented path-breaking initiative of the Indian Prime Minister, Shri Narendra Modi to modernize the Indian economy, to empower Indian society and to radically transform the quality of governance by the creative use of digital technology. This initiative aims to empower all citizens by enabling universal access to goods and services, as well as to involve all citizens in the project of building a better India. Digital India is designed to bridge the digital divide and create digital inclusion.

The Digital India initiative rests on the premise that the digital delivery of information and services and enabling digital access to Government and the Economy is key to improving the quality of life for all Indians.
Digital Profile of India

Smart Phone, Mobile Phone and Internet users

India becomes second largest market of smartphones in the world

Smart Phone Users
- June 2014: 22 Crore
- March 2018: 45.6 Crore
- June 2014: 90 Crore
- March 2018: 121 Crore

Mobile Phone Connections
- June 2014: 24.3 Crore
- Sep 2018: 56 Crore

Internet Users
- June 2014: 24.3 Crore
- Sep 2018: 56 Crore

Aadhaar – Digital Identity

- 61 Crore upto 2014
- 123 Crore upto Dec 2018

Growth in Registered Users
United Nations eGovernance Index shows India climbing up 22 positions since 2014 and entering top 100 for the first time.

“Digital Governance is Transparent Governance”

**eTaal**

Growth in e-Governance Transactions per Day

- 64.68 Lakh (2013)
- 96.4 Lakh (2014)
- 2.06 Crore (2015)
- 2.96 Crore (2016)
- 9.1 Crore (2018)

(As on Dec 2018)
Digital Identity

- World's largest biometric based digital identity
- Created at a low cost of less than ₹ 82 per head
- Safe and secure with due regard to privacy of data
- Unlike earlier, Aadhaar under NDA Govt. is backed by a robust Parliamentary Law

No. of Aadhaar Generated

- 61 Crore (upto 2013 - 14)
- 80.46 Crore (upto 2014 - 15)
- 99.92 Crore (upto 2015 - 16)
- 113.29 Crore (upto 2016 - 17)
- 120.71 Crore (upto 2017 - 18)
- 123.71 Crore (upto Dec 2018)

Good Governance through Aadhaar

- Aadhaar is being used for direct benefit transfer of subsidy to poor and needy
- ₹ 6.29 Lakh Crore transferred to beneficiaries till 26 February 2019
- ₹ 1.10 Lakh Crore saved by removing fictitious beneficiaries
- 100 Crore Indians have linked their 64.40 Crore bank accounts with Aadhaar

World appreciates Aadhaar

“Aadhaar is a good example for the rest of the world to follow” - Paul Romer, Chief Economist, World Bank

“Aadhaar has tremendous potential to foster inclusion by giving all people, including the poorest and most marginalized, an official identity.” - United Nations Report in 2016
**BharatNet**

To connect 2.5 Lakh Gram Panchayats by Optical Fibre Network

Connected

1,24,266

Gram Panchayats

(as on Feb, 2019)

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**National Knowledge Network**

- NKN is a state-of-the-art network and is a revolutionary step towards creating a knowledge society without boundaries.
- NKN enables collaboration among researchers from different institutions like GLORIAD, TEIN3, GARUDA, CERN etc.
- NKN has the capability to provision grid computing. Some of the grid based applications are climate change/global warming, science projects like Large Hadron Collider (LHC) and ITER etc.

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**Meghraj**

To utilize and harness the benefits of Cloud Computing, ‘Meghraj’ focuses on accelerating delivery of e-services in the country, while optimizing ICT spending of the Government.

- 80 Services (2015-16)
- 500 Services (2016-17)
- 725 Services (2017-18)
- 960 Services (2018-19)
**eSign – Electronics Signature Service**

Launched on July 1, 2015. Aadhaar holders (individuals, Government officials, corporate executives, etc.) can digitally sign an electronic document.

**Digilocker**

Launched on July 1, 2015. Enables citizens to securely store and share their documents with service providers who can directly access them electronically.

**DigiLocker**

*Your documents anytime, anywhere*

- **Registered Users**: 1.97 Crore
- **Uploaded Documents**: 2.43 Crore
- **Issued Documents**: 3.49 Crore
Common Services Centres (CSC)

Digital Service Kiosks
- Creating digital entrepreneurs including in small towns and villages
- 12 Lakh direct and indirect jobs created
- 60,000 women working in CSC

Growth of CSC

Major Services Delivered
- Voter ID Card
- Utility Bill Payments
- Online Ticket Booking
- PAN Card
- Land Records
- Tele Medicine
- Digital Literacy
- Insurance Services
- Banking Services
- Jan Aushadhi Medicines
- Tele Legal Aid

Stree Swabhiman
- Unique initiative to create awareness about menstrual health
- 431 sanitary pad units have been set up
- Low cost sanitary pads are being given to rural women
- Creation of jobs for women working in these units

Rural BPOs
- Micro BPO units are being set up in CSCs
- Each BPO creates jobs for five to ten youth
- A new wave of IT led jobs spreading in rural India
NEW BEGINNING FOR CREATING JOBS IN TIER-II & TIER-III TOWNS

**BPO Promotion Scheme**

- The Government has initiated India BPO Promotion Scheme for promotion of BPO/ITES operations across the country including small towns and rural areas, with an outlay of ₹493 Crore.
- This is just a beginning and it is expected to create employment opportunities for around 1,45,000 persons in the initial phase.
- BPOs have become operational in small towns like Patna, Muzaffarpur, Karimnagar, Sangli, Badgam, Srinagar, Jammu, Sopore, Bareilly, Vellore, Guntur, Sagar Gaya, Ranchi, Gwalior.
- BPOs may start soon at Nellore, Dalsingsarai, Panchkula, Deoghar, Dhanbad, Mysore, Gulbarga, Gwalior, Vidisha, Dhule, Sambalpur, Puri, Allahabad, Gazipur, Vijaywada, Raipur, Ambala and many more places.

**North East BPO Promotion Scheme**

- NEBPS has been notified under Digital India Programme to incentivize BPO/ITES operations in North East Region (NER) for creation of employment opportunities for around 15,000 persons and growth of IT-ITES Industry.
- BPOs have started working in Imphal, Kohima, Guwahati.
- BPOs may start soon at Kokrajhar, Majuli, Nagaon, Silchar, Diphu, Shillong and Itanagar.
**Digital Industry**

**IT Exports from India**
- Indian IT exports are growing at a rapid pace.
- IT exports crossed ₹ 7.77 Lakh Crore ($116 Billion) @ ₹ 67/ $ avg. for the first time in 2016-17
- Highest ever IT exports of ₹ 8.31 Lakh Crore ($126 Billion) @ ₹ 66/ $ avg. in 2017-18 (Estimated)
- Source: NASSCOM Amplify Digital Report 2018

**Revenue of India IT Companies**
- Revenues generated by Indian IT sector crossed ₹ 9.38 Lakh Crore ($140 Billion) @ ₹ 67/ $ avg. for the first time in 2016-17
- Highest ever revenues of ₹ 11.02 Lakh Crore ($167 Billion) @ ₹ 66/ $ avg. in 2017-18
- Source: NASSCOM Amplify Digital Report 2018

**Indian IT companies**
- Indian IT companies present in 200 cities of 80 countries
- Serving two third of Fortune 500 companies
- Creating 40 Lakh direct jobs in India
- Creating 1.3 Crore indirect jobs in India
- 34% of Indian IT workforce comprises of Women
Software Technology Parks of India (STPI)

Value of exports made by STPI Units

- 2014-15: ₹2,93,797 Crore
- 2015-16: ₹3,19,569 Crore
- 2016-17: ₹3,50,000 Crore
- 2017-18: ₹3,75,988 Crore

Employment Generated by STPI Units

- 2013-14: 16.8 Lakh
- 2016-17: 17.90 Lakh
- 2017-18: 20.2 Lakh

Nearly 50% employment in Indian IT/ITES industry has been generated by STPI registered units.

Out of 58 STPI centres, 50 Centres are in Tier-II and Tier-III locations.
Growth in Mobile Phone Manufacturing

- 127 mobile phone manufacturing units set up in last 4 years as compared to only 2 units that existed in 2014
- 6.5 Lakh direct jobs and 3 Lakh indirect jobs created
- India has become the 2nd largest mobile phone manufacturer in the world

Increase in Nos.:
- 6 Crore units (2014-15)
- 11 Crore units (2015-16)
- 17.5 Crore units (2016-17)
- 22.5 Crore units (Upto Dec 2018)

Increase in Value:
- Mobile handset (value terms):
  - ₹18,992 Crore (2014-15)
  - ₹54,179 Crore (2015-16)
  - ₹89,756 Crore (2016-17)
  - ₹1,32,000 Crore (2017-18)

Growth in Electronics Manufacturing

LCD/LED TVs
- 82 Lakh units (2014-15)
- 1.2 Cr. units (2015-16)
- 1.5 Cr. units (2016-17)
- 1.6 Cr. units (2017-18)

LED products (Value)
- ₹2,172 Cr. (2014-15)
- ₹5,106 Cr. (2015-16)
- ₹7,154 Cr. (2016-17)
- ₹9,630 Cr. (2017-18)
**Digital Policy Initiatives**

**Modified Special Incentive Scheme**
- **No. of Investment Proposals**
  - Upto April 2014: 30
  - Upto Dec 2018: 421
- **Investments (₹ Crore)**
  - Upto April 2014: 11 Thousand
  - Upto May 2017: 1.43 Lakh
  - Upto Dec 2018: 1.53 Lakh

**Electronics Development Fund**
- Launched in February 2016 with corpus of ₹ 2205 Crore
- Established to help Start-ups develop new technology in the field of Electronics, nano-electronics and Information Technology
- The fund aims to achieve zero imports in the fields of electronic system design and manufacturing
- 4 Funds with corpus of ₹ 10,900 Crore and Government contribution of ₹ 1229 crore approved

**National Policy on Software Products**
- First time recognizes software products as distinct from software services
- Nurture 10,000 software product Start-ups
- Aims to create 3.5 million jobs by 2025
- Aims to boost revenue from $7.1 billion to $70-80 billion by 2025

**New Electronics Policy**
- New Electronics Policy 2019 has been approved
- Provision of incentive schemes to attract investments in the field of electronics
- Special initiatives to promote the export of electronics from India
- Exclusive Focus on Medical, Strategic and Auto Mobile Electronics
2nd largest Start-ups Ecosystem

- More than 5000 Start-ups have come up in 4 years
- 1000+ Startups added in 2017
- Average funding per Start-ups touched $ 6.2 million
- 17 of these have entered into unicorn space (worth $1 Billion), out of which 8 Startups have attained unicorn status in 2018 itself
- Initiatives of MEITY like TIDE, creating ESDM specific Start-ups and setting up incubation centers have created ecosystem for indigenous technology translating into incubation

* NASSCOM report

Growth in eCommerce

- Near 100% growth in e-commerce market

- ₹ 1.26 Lakh Crore
  - Dec 2015

- ₹ 2.11 Lakh Crore
  - Dec 2016

- ₹ 7.78 Lakh Crore
  - 2020*

*KPMG Estimate
Digital Health

Health Management Information System

eHospital  eHospital@NIC

Major Hospitals
- AllIMS (Delhi, Bhopal, Raipur)
- G B Pant Hospital, Delhi
- Safdarjung, Delhi
- Civil Hospital, Chandigarh
- Regional Institute of Medical Science, Manipur

321 Hospitals

8.02 Crore Patients Registered Since Sept. 2015

eSushrut  eSushrut@CDAC

Major Hospitals
- Sawai Man Singh Hospital, Jaipur
- PGI, Chandigarh
- Guru Teg Bahadur Hospital, New Delhi
- Regional Cancer Centre, Thiruvananthapuram
- SGPGI, Lucknow

71 Hospitals

Online Registration System

Registration in hospitals using Aadhaar

192 Total hospitals served

22.33 Lakh Total appointments Since July 2015
Soil Health Card

- National Soil Health Card scheme launched in February 2015
- Information on Soil Health through Digital medium
- Mobile app for Soil Health Card
- 19 Crore Cards issued
- Administered by Ministry of Agriculture, developed by NIC

eNAM

- 585 Markets in 16 States already integrated
- 1.41 Crore Farmers Registered
- 1.21 Lakh Traders Registered
- Administered by Ministry of Agriculture developed by NIC
Digital Literacy

Pradhan Mantri Gramin Digital Saksharta Abhiyan (PMGDISHA)

Scheme for making 6 Crore candidates digitally literate in 2 years

- Enrolled for training: 2.07 Crore
- Trained candidates: 2.03 Crore
- Certified candidates: 1.15 Crore

Growth in Digital Literacy

Trained Candidates between 2014-2016 under National Digital Literacy Mission

- 82.7 Lakh
- 43.2 Lakh
- 20 Thousand

upto 2014
upto 2015
upto 2016
Digital Education

SWAYAM: Free Online Courses

- Courses from school education to Post-Graduate education
- Offers video lectures and reading materials
- Allows self assessment through tests and quizzes
- Offers online forum for clearing doubts
- Can offer 2000 Courses and 80,000 hours of learning
- Administered by Ministry of Human Resource Development

National Scholarship Portal

- Operational since AY 2015-16
- 23 registered schemes from 16 ministries/depts.

<table>
<thead>
<tr>
<th>Year</th>
<th>Beneficiary</th>
<th>Amount in Crore</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-16</td>
<td>65.84 Lakh</td>
<td>₹ 1699</td>
</tr>
<tr>
<td>2016-17</td>
<td>53 Lakh</td>
<td>₹ 1568</td>
</tr>
<tr>
<td>2017-18</td>
<td>108.28 Lakh</td>
<td>₹ 2028</td>
</tr>
<tr>
<td>Total</td>
<td>2.27 Cr.</td>
<td>₹ 5295</td>
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</tbody>
</table>

Over 23 Lakh Registered Users

Over 1.86 Crore Registered Students
Digital Skilling

National Institute of Electronics and Information Technology (NIELIT)
- 36 own centres
- 800 accredited centres
- 9000+ facilitation centres

Skill Development in Electronic System and Design Manufacturing (ESDM)
- 2,83,629 Students Trained (Cumulative)
- 2,10,117 Students Trained (Cumulative)
- 45,322 Students Trained (Cumulative)

Years:
- 2014-15
- 2015-16
- 2016-17
- 2017-18
- Sep-2018

Candidates Trained:
- 6.32 Lakh candidates trained
- 7.12 Lakh candidates trained
- 7.23 Lakh candidates trained
- 8.64 Lakh candidates trained
- 7.12 Lakh candidates trained
Digital Tourism - eVisa

- E-Visa facility extended to nationals of 161 countries
- Now getting Visa to India becomes easy and online

Jeevan Pramaan

- Aadhaar Based Biometric Authentication System for Pensioners
- Through Digital Life Certificate there is no need for the pensioner to be present in person before the Pension Dispensing Authority (PDA).

2.49 Crore

Digital Life Certificates Submitted since 2014
**Digital Payments**

**UNIQUE DIGITAL PAYMENT INITIATIVES**

**BHAM-UPI**
- Simple mobile based platform for digital payments
- BHIM mobile app launched by the government
- BHIM App Available in 13 languages, more than 1 Crore active users
- Monthly BHIM-UPI transactions touched a record high of 67 Crore transactions worth ₹1.09 Lakh Crore in Jan 2019

(As on 31st March 2018)

**Aadhaar Enabled Payment System (AEPS)**
- Aadhaar linked micro ATMs for bank transactions
- Facilitates bank transactions using biometric authentications
- More than 4 Lakh AEPS micro ATMs being used for doorstep banking by banking correspondents

2880% Growth

Growth in AEPS transactions per months

**BHIM Aadhaar**
- For digital payment at merchant outlets
- Payer need not have mobile phone to make digital payment
- Account to account transaction using biometric authentications
- Approx 20 Lakh transactions have been done so far since inception
Cyber security

- Robust Cyber Security Policy, Information Technology Act and dynamic ICERT (Indian Computer Emergency Response Team).
- National Cyber Coordination Centre made operational in 2017.
- Separate CERT for financial sector and a dedicated Digital Payment Division in CERT to ensure safe and secure digital payment ecosystem.
- Cyber security drills and auditing for assessment of cyber security preparedness of organisations in Government and critical sectors.
- India hosted the Global Conference on Cyber Space in Nov 2017.

Internet Governance

- Proactive role in endorsing the Multi Stakeholder model in Internet Governance and freedom of Internet.
- Hosted ICANN 57 at Hyderabad in 2016.
- Promoting local languages in Internet.

Botnet Cleaning and Malware Centre

- The project has been approved with outlay of ₹ 100 Crore. The centre is providing facility to clean botnets in realtime.
- ‘Kavach’ application can be used by individuals to protect the system against botnets.
- Cyber Swachhta Kendra
  www.cyberswachhtakendra.gov.in
Employment Growth in Digital Economy

**IT /ITeS**

Employment Generated in IT/ITeS Sector:
- Direct Employment 40 Lakh
- Indirect Employment 1.30 Crore
- 1 Lakh jobs added in 2017-18 despite global slowdown

**Electronics Manufacturing**

Employment Generated in Electronics Manufacturing:
- Production of Electronics goods doubled in India in last four years.
- 127 mobile phone factories functioning in 2018 from just 2 factories in 2014.
- 9.5 Lakh (direct and indirect) new job opportunities created in this sector.

**Small Towns and Rural Areas**

Employment Generated in Small Towns and Rural Areas:
- 3 Lakh Common Service Centers promoting digital entrepreneurship in rural areas.
- More than 60,000 of these entrepreneurs are women.
- This has created 12 Lakh employments in small towns and rural areas.
- 260 BPO units working in small towns have created jobs for youth.
Digital Democracy

World’s Largest Digital Democracy Platform

Utilizing social media for feedback engagement and grievances

- 13.2 Crore Page Views
- 2.25 Crore Visitors to Site
- 77.03 Lakh Registered Users

All Central Ministers present on Social Media

- 2.23 Lakh Submissions in 808 Tasks
- 39.15 Lakh Comments
- 798 Discussion

Digital Platform for Citizen - Government Engagement

Up to Dec 2019

- 77.03 Lakh users
- 64 Groups
- 798 Discussion Groups
- 808 Tasks

MANN KI BAAT - Prime Minister's Radio Broadcast

- 53 Episodes
- Suggestions Received:
  - 10 Lakh
- Missed calls on 1922:
  - 15.68 Crore
Initiatives in Emerging Technologies

7 Centres of Excellence CoE in emerging technologies

- CoE in Fintech at Chennai
- CoE in IoT in Agriculture at Guwahati and Patna
- CoE in Virtual Reality at Bhubaneshwar
- CoE in Blockchain at Gurugram
- CoE in Medical Technology at Lucknow
- CoE in Electronics Products at Bengaluru
- CoE for R&D in Nanoelectronics at IIT Guwahati

Committees of Experts in Artificial Intelligence

- Committee on Platforms and Data for AI
- Committee on Leveraging AI for identifying National Missions in Key Sectors
- Committee on Mapping Technological capabilities, key policy enablers required across sectors (Skilling and Re-skilling and R&D).
- Committee on Cyber Security, Safety, Legal and Ethical Issues

Future Skills

- To prepare India’s IT workforce for future technologies.
- Ministry of Electronics and IT and NASSCOM initiative.
- Online learning platform with world class learning modules.
- Content sourced from MIT, Coursera, Edex, IITs.
**Road Map for Trillion Dollar Digital Economy**

- Government is preparing a detailed road map to develop India into a trillion dollar digital economy in three to five years.
- A team of experts from Government, industry, academia and domain specialists are working on this road map.
- Wide consultations with union government departments, state governments and industry leaders have been held.
- This road map will unleash a new era of digital growth and development that is expected to sustain around 5 - 6 Crore jobs.

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**Digital North East Vision**

- A vision document for digital development of the North Eastern states of India is under preparation.
- This will help in tapping the potential of North Eastern states and unleash the digital development in the region.
Works Done for Bihar’s Digital Development Since 2014

- **Beginning of BPO Centers**: 4600 seats have been allocated to Bihar under IBPS. 12 BPO Units have started operations with a total of 2,210 seats. These units are working in Patna, Gaya and Muzaffarpur. Attempts are being made to open BPO centres at other places in the near future which will ensure employment opportunities for the youth of Bihar.

- **Common Service Center**: There are a total of 28,195 Common Service Centers working in Bihar, of which 18,246 are providing services at Gram Panchayat level. From this, entrepreneurship opportunities have opened up to the youth of rural areas and people now have access to digital services.

- **NIELIT Center**: To train youth in the field of IT in Bihar, a NIELIT Center has been started in Patna. Apart from this NIELIT’s extension centers have been set up in Alawalpur and Lakhnpura villages of Patna district. The foundation stone of NIELIT Center in Buxar has been laid and the proposal for a new centre at Muzaffarpur has been approved.

- **Incentives for Software and startup companies**: To encourage software and start-up companies, a center of STPI has been built in Patna. Also, foundation stone for two others in Bhagalpur and Darbhanga have been laid.

- **Data Center**: To encourage digital governance in Bihar a data center is being established by NIC.

- **Digital Village**: 38 villages have been made digital villages and in 46 more villages the work for making those villages digital is under way. Out of these villages, rural BPO centers have also been started in five villages.

- **C-DAC Center Patna**: To promote research in the area of Cyber Forensic and Artificial Intelligence in Bihar, C-DAC’s Patna Center has been started.

- **IIT Patna Center of C-DAC**: To promote Research and development in the area of cyber security, a center of C-DAC was established in IIT Patna.

- **Prime Minister Grameen Digital Saksharta Abhiyan**: Under this scheme, the estimated goal for Bihar is 66,30,000. So far, 12 lakh citizens have been registered of which 6.39 lakh have been made digitally literate.

- **Skill Development**: A total of 15,090 candidates have nominated for skill development in electronic equipment manufacturing and 9,393 of these have been successfully trained.

- **Medical Electronics Incubation Center**: For promotion of Medical Electronics an Incubation facility has been set up at IIT Patna,

- **Electronics & ICT Academy**: Has been established at NIT Patna. Here, the college professors of states of Bihar, Orissa, West Bengal and Jharkhand Scientists will be trained in IT field.

- **NIC E-Governance Research Center**: To promote research in the field of e-Governance, a center has been established in Patna.

- **Vishwasyaiah PhD Scheme**: 50 full-time and 6 part-time seats have been allocated to IIT Patna and NIT Patna. It will provide an opportunity for students to undertake Ph.D. in electronics and I.T.