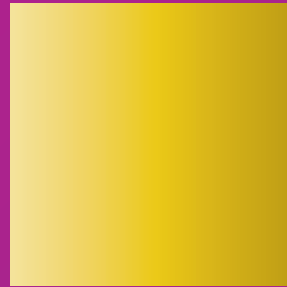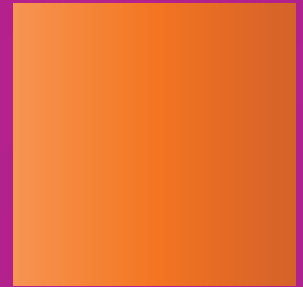# GOVERNMENT OF INDIA

MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY

ONE YEAR OF ACTIVITIES & ACHIEVEMENTS

DIGITAL INDIA

Department of Electronics & Information Technology
Department of Telecommunications
Department of Posts

सत्यमेव जयते

Digital India

- Digital Infrastructure as a Utility to Every Citizen.
- Governance and Services on Demand.
- Digital Empowerment of Citizens.
- Designed to build holistic capabilities across infrastructure, manufacturing, skills and delivery platforms which in turn will lead to creation of a self-reliant knowledge economy.

Pro-People IT Initiatives

PLATFORMS AND APPLICATIONS

MyGov.in

- MyGov.in has been implemented as a platform for citizen engagement in governance.
- The citizens participate in policy and execution through a "Discuss", "Do" and "Disseminate" approach.
- 33 groups, 182 discussion themes, 166 tasks have been published.

Digital Locker System

- A 'Digital Locker System' to serve as a platform to enable citizens to securely store and share their documents with service providers who can directly access them electronically.
- Beta version launched in February, 2015.
- Over 1 lakh Digital Lockers have already been opened.

National Scholarship Portal

- A National Scholarship Portal where students can apply to centrally funded schemes covering all activities from registration to disbursement of scholarships is developed.

eSampark Database

- eSampark database carries 60 lakh email addresses

and 88 lakh mobile numbers. 87 mailer campaigns carried out so far.
- 10 crore mailers have been sent on various occasions till date.

Jeevan Pramaan

- Jeevan Pramaan is an Aadhaar-based Digital Life Certificate for pensioners.
- Over 1.75 lakh pensioners have enrolled their life certificates on the portal within 6 months.
- This facility has been extended to pensioners of Defence, EPFO and several state governments also.

Hon'ble Prime Minister and Hon'ble Minister, Communications & IT, at the launch of 'Jeevan Pramaan' (Aadhaar based Life Certificate)

Aadhaar-Enabled Biometric Attendance System

- Biometric Attendance System (BAS) rolled out in 579 Central Government offices in Delhi with 1.22 lakh employees.
- BAS rolled out in 1,365 Central Government organizations outside Delhi involving nearly 95,000 employees.

e-Hospital- OPD Registration Framework (ORF)

- It is an initiative to facilitate the patients to take online OPD appointments with Government hospitals.
- Recently soft launched by AIIMS Hospital.

e-Greetings Portal

- Over 8 lakh e-Greetings sent since its launch on 14th August, 2014.

e-Basta

- An initiative called "e-Basta", to make school books accessible in digital form as e-books to be read on tablets and laptops, is developed.

POLICIES

Policy on Adoption of Open Source Software

- The policy encourages the formal adoption and use of Open Source Software in Government Organizations.

- It also encourages comparison of Open Source Software and Closed Source Software on various grounds while implementing e-Governance.

Policy on Collaborative Application Development

- Policy on Collaborative Application Development by Opening the Source Code of Government Applications has been approved.

eSign Framework

- It allows citizens to digitally sign a document online using Aadhaar authentication.

E-mail Policy

- E-mail Policy has been notified with the objective of ensuring secure access to and usage of Govt. of India e-mail services by its users.

- 10 lakh employees have already been covered in Phase 1.

Policy on Use of IT Resources

- The policy ensures proper access and usage of IT resources.

The 'e-Governance Competency Framework (e-GCF)'

- The e-GCF toolkit contains a set of end-user knowledge areas required for government employees.

Hon'ble Minister, Communications & IT, lighting the lamp at the First Women VLEs Conference

- The framework strengthens the capacity building scheme to identify and define competencies required for different job roles under e-Governance.

SCHEMES

e-Kranti

- Aims to utilize emerging technologies such as cloud and mobile platform.

- Focuses on common applications, integration of services, standards and interoperability.

Capacity Building Scheme II (CB Scheme II)

- The objective of the CB Scheme Phase II is to provide professional resources and training to political and policy level decision makers for all States/UTs/ Central Line Ministries to build the in-house capacity for implementation of various e-Governance initiatives.

Good Governance and Best Practices

- The scheme has been initiated to promote ICT-enabled good governance in the country.

- Under this scheme, DeitY has finalized a scheme to promote e-Governance in the country.

OTHER INITIATIVES

- **National Information Infrastructure (NII)** proposes to integrate various ICT infrastructure created across all the states namely SDCs, SWAN, NKN, NICNET, SSDG including Bharat Net (presently under implementation by DoT).

- Proposal to set up **Wi-Fi connectivity in Allahabad University** has been approved as Proof-of-Concept and further action is being taken for execution of this project.

- The **First Women Village Level Entrepreneur Conference** held on 10th March 2015, around the idea of ensuring women are at the forefront of "Digital India". Women VLEs would play the role of "Change Agents".

- **Internet Governance:** DeitY received Golden Membership of Internet Society to create greater awareness of Internet Governance.

Promotion of Domestic Electronic Manufacturing

- **Electronic Development Fund Policy** has been notified to support R&D, Innovation and IP Generation in Electronics, IT and Nano Electronics.

- **Two electronic manufacturing clusters (EMCs)** developed in Jabalpur & Bhopal, Madhya Pradesh, at a cost of ₹84.17 crore. Foundation stone laid by Shri Ravi Shankar Prasad, Hon'ble Minister, Communications & IT, on 6th October, 2014.

- **Three Incubators** for electronics start-ups approved at Delhi University, IIT Patna and Kochi, which will incubate minimum 135 start-up companies.

- **National Centre for Flexible Electronics (NCFlex)** at IIT Kanpur is being approved at an estimated cost of ₹132.99 crore.

- **Inverted duty** structure rationalized for various electronic products including laptops, mobile phones, medical electronics devices, etc.

- **Modified Special Incentive Package Scheme (M-SIPS)** provides financial incentives attracting investments.

  - 63 proposals worth ₹20,825 crore received.

  - 40 proposals worth ₹9,565 crore approved.

- **Safety Standards:** To curb import of sub-standard and unsafe electronics goods, mandatory compliance to safety standards has been notified for identified electronic products.

Digital Inclusion: BPO Schemes

North East BPO Promotion Scheme (NEBPS)

- The scheme has been approved to incentivize BPO Operations in the North East Region (NER) for creation of employment opportunities for the youth and growth of IT-ITeS Industry.

Laying the foundation stone of Electronics Manufacturing Cluster & IT Park at Jabalpur, Madhya Pradesh

Rural BPO Scheme

- To promote digital inclusion over the entire country a new policy of opening BPO call centres in small, mufassil towns of the country has been approved.

- This will generate employment in far flung areas of the country, as well as develop an ecosystem, computer training, digital literacy and overall digital empowerment.

Promotion of Indian Languages

Updated Indian Language Toolkit CD for Windows 8.1 and Ubuntu 11.04

- Software toolkit containing fonts and tools for information processing in 22 scheduled Indian languages on computers.

- So far there have been over 12 lakh shipments and 1.25 crore downloads.

Best Practices for Localization of Mobile web applications in Indian Languages

- A set of guidelines were formulated as best practices to help developers to localize their software products / services on mobiles in Indian languages.

- The details are available at http://egovstandards.gov.in/

Indic Layout Draft

- To address the issues of correct display of Indian languages in various web browsers and prepare a draft web standard for the same.

Cyber Security

- Hon'ble Prime Minister stressed the need to focus on Cyber Security in NASSCOM conference.

- DeitY's Cyber Security programme is aimed at building a secure and resilient cyberspace for citizens, businesses and Government, by way of actions to protect information and information infrastructure in cyberspace.
- The initiatives are focused on issues such as cyber security threat perceptions, threats to critical information infrastructure and national security etc.

Human Resource Development

- A Skill Development Scheme for the electronics sector for training 3.28 lakh persons has been approved.
- A Visvesvaraya Ph.D Scheme for increasing the number of Ph.Ds in Electronics & IT was started in 2014-15 to support full time and part-time Ph.D students across universities in India.
- A scheme for setting up of 7 new regional Electronics and IT Academies across the country to improve quality of graduate education has been approved.
- A scheme to provide Digital Literacy (DISHA) for 42.5 lakh persons at an estimated cost of ₹380 crore has also been approved. This scheme targets ASHA and Aanganwadi workers and Authorized Ration Shop dealers.
- In the area of IT education, new Centres of NIELIT at Ranchi and Kokrajhar have been made operational and centres at Muzaffarpur and Buxor in Bihar are in pipeline.

IT Promotion & E-Infrastructure

- Foundation stone for STPI's new Incubation Facility at Ranchi and Patna has been laid.
- The Government has taken an initiative to frame draft Internet of Things policy for India which is envisioned to develop connected and smart IoT based systems.

Research and Development (R&D)

R&D in IT

- The Cabinet approved the 'National Supercomputing Mission (NSM)' with an outlay of ₹4,500 crore over a period of seven years to be jointly implemented by DeitY and DST. This will enable India to leapfrog into the league of world class high performance computing power nations.
- Two new centres of SAMEER are being set up, one on electromagnetic interference at Vishakhapatnam and another on high power microwave components at Guwahati to meet the requirements of both strategic and civilian applications.

R&D in Electronics

- Technological support to farmers
- Web enabled agricultural information access in 7 local languages
- Digital Image Processing applications in Tasar Sericulture
- Sensing system for taste characterization of food and agro produce
- GIS based decision support system for tea gardens
- Electronic Nose for monitoring of industrial obnoxious odorous constituents from pulp and paper industries.
- Pilot demonstration of E-waste Recycling Facility for recovery of precious metals from PCB initiated.

e-Learning

- Development of Online Labs (OLabs) is an e-Learning initiative jointly developed by C-DAC and Amrita University.
- 'e-Saadhya' is an education framework for children with autism and mild mental retardation.

Phone user base touches new high

- Total phone users reached 998.6 million in April, 2015 as compared to 933 million in March, 2014, out of which 976 million are mobile phones.

- Overall Tele-density increases to 79.3% in March, 2015 as compared to 75.2% in March, 2014.

- Overall growth of telephones during April 2014 to March 2015 has been 6.76% which is higher than 3.9% during April 2013 to March 2014.

- Total telephones added during May 2014 to March 2015 is 60.32 million (6 Crore) which is double than what was added last year.

- The number of internet connections grew at a fast pace and reached 300 million (30 crore) in March 2015.

FDI In Telecom Sector touches new high

- FDI inflow in telecom sector during April, 2014 to January 2015 is $2832 million which is more than what was received during 2012-13 and 2013-14 put together.

- The share of FDI in telecom sector has taken a quantum jump during April 2014 - January 2015 and is 11.09% of total FDI in India. This is the highest in the last seven years.

Realisation of Potential Value of Spectrum – Scarce Natural Resource through Auction

- Spectrum auction 2015, conducted in a completely transparent and with fair bidding process, raising the highest ever auction proceeds of ₹1,09,874 crore, against the approved reserve price of ₹80,277 crores, restoring the confidence of all stakeholders in the sector.

- The complex issue of defence band identification and harmonisation of spectrum with defence, pending for long, resolved quickly resulting in release of a good quantity of 2100 MHz spectrum which was put in to the recent auction.

- Spectrum in 4 various bands - 800 MHz, 900 MHz, 1800 MHz and 2100 MHz were put into simultaneous and multiple rounds of auction for the first time, so that the operators could take informed decision.

- Rules for Spectrum Usage Charges, liberalisation of Spectrum, and earnest money deposits were streamlined and notified well in time to make the process of auction of spectrum fair, objective, transparent and unambiguous.

- The entire process of decision making on reserve price determination was expedited.

- Once these decisions were taken, a clear message went out that the intentions of the government are clear, transparent and coupled with the favourable growth scenario in the country. The highest ever auction amount was received in India.

- India with more than 97 crore mobile phones users, more than 30 crore internet connections and the great future which awaits digital India has created further confidence in the Industry leading to this historic success. This will go in long way in implementing the Digital India Mission of the Hon'ble P.M.

National Telecom M2M Roadmap

- 'National Telecom M2M Roadmap' launched by the Minister of Communications & IT on 12th May, 2015.

- Roadmap document endeavours to assimilate various M2M standards, outline policy and regulatory approaches and measures for increased M2M proliferation. It includes International M2M scenario,

Hon'ble Minister inaugurating the National Telecom M2M Roadmap

prevailing communication technologies, standardisation activities and adapting them to suit Indian conditions in different sectors.

Empowering Consumers: Mobile Number Portability

- Government envisaging One Nation - Full Mobile Number Portability (MNP) in the country decided to allow Full Mobile Number Portability and the decision was notified in September, 2014 and necessary amendments to Mobile Number Portability license conditions and other instructions were issued on 03.11.2014.

- The operators have been given a time till July, 2015 to implement the mobile number portability.

- MNP enables the subscribers to change their licence service area and still retain their mobile number. This will also help the Government in developing mobile number as an identity of individuals for providing various government services and more towards JAM (Jan Dhan-Aadhar-Mobile) Trinity.

Public Internet Access Programme

- WiFi connectivity at prominent tourist places in the country is being provided in a phased manner.

- The first WiFi facility by BSNL at Varanasi's famous Dashashwamedh Ghat was inaugurated by the Minister of Communications & IT on 8th February, 2015.

- 30 such hotspots around Husain Sagar Lake, Hyderabad, inaugurated by the Minister on 16th April, 2015.

Gyansetu

- Gyansetu, launched by the Minister of Communications & IT on 25th December, 2014, is an internet based real-time ICT system designed by C-DOT primarily to provide various e-services to the under privileged rural population of India.

- Gyansetu, in each gram panchayat of the country, would extend the benefits of internet technology to rural India and narrow down the digital divide between literate, high-end societies and rural community by taking knowledge and information to the doorsteps of our rural folks.

- Gyansetu overcomes the limiting factors of rural masses including low/no literacy level and requires exposure only to local language, for getting connected to the internet. It interacts with the user with its own Graphic User Interface (GUI).

Connecting The Unconnected

- Aim to connect all the 55,669 unconnected villages, which presently do not have mobile connectivity, in a phased manner, by March 2019.

- Proposal approved on 10th September, 2014 to implement a Comprehensive Telecom Development Plan for the North-Eastern Region at an estimated cost of ₹5,336.18 crore. This project will connect 8621 villages through installation of 321 mobile tower sites and is likely to be commissioned by September 2017.

- Government approved, on 20th August, 2014, a project to provide Mobile Services in 2199 locations in the areas affected by Left Wing Extremism (LWE). 813 BTSs have been commissioned there after.

- Government has approved a Comprehensive Telecom Development Plan for Andaman & Nicobar Islands and Lakshadweep Islands with the total estimated investment of ₹221.05 crore which will cover population of about 3.8 Lakh people in the islands.

Connecting Rural India through High Speed Broadband

- Government, under the umbrella of its flagship programme Digital India, has taken up Bharat Net in mission mode to connect all 2,50,000 Gram Panchayats (over 600 million rural citizens) in the country with 100 mbps broadband to bridge the rural coverage gap both for broadband penetration and voice.

- In the first phase, Bharat Net is being extended to cover 1,00,000 GPs, with the balance 1,50,000 GPs expected to be covered in a phased manner.

- Bharat Net will support e-governance services, telemedicine, tele-education, financial services, e-commerce and e-entertainment and hence be benefitted to all the people in the remote areas.

- The work of laying optical fiber network has been speeded up (by 30 times) in the last 10 months.

- India's First High Speed Rural Broadband Network has been commissioned on 12th January, 2015 in Idukki district of Kerala. With the commissioning of the Bharat Net, the Idukki district of Kerala has become the first in India to be connected with the high speed broadband for all the areas of the district.

Building Robust and Secured Communication Network for Defence Services

- Network For Spectrum (NFS) has been planned as an Exclusive Optical Fibre based 'Nationwide Communication Network' for Defence Services.

- This will be a Countrywide Secure, Multi-service and Multi-protocol Converged Next Generation Network based on Exclusive and Dedicated Tri-services Optical Transport Backbone.

- The estimated cost of the project is ₹13,334 crore. The project is being implemented by BSNL. The scheduled

time for the implementation of the project is 36 months.

- This project will enhance the operational communication of the Army. The impact of project will have on the Network Centric Warfare capabilities of the Indian Army in terms of enhanced voice, data and real time video services

'Make In India' in Telecom Sector

- - India became a council member of International Telecommunications Union (ITU), in October, 2014 for a period of four years.

- To provide a desired boost to 'Make in India' in Telecom Sector, Government has taken following measures:

  (i) Imposition of basic Customs Duty of 10% on certain imported telecom products in the Union Budget 2014-15 to provide a level playing field for the domestic manufacturers, and to give fillip to domestic telecom electronic manufacturing.

  (ii) Inverted duty structure corrected.

  (iii) In budget 2015-16, basic custom duty on HDPE (High Density Polyethylene) for use in the manufacture of telecommunication grade optical fibre cables has been reduced from 7.5% to NIL to provide a boost to the manufacturing of optical fibre in the country.

- Telecommunications Standards Development Society, India (TSDSI) which is an industry led body set up with an objective to develop, promote and maintain standardised solutions for India-specific requirements,

has achieved global recognition by being inducted as member of the Global Standards Collaboration (GSC), a senior-level gathering of the world's leading information and communication technologies (ICT) standards organisations in July 2014. It has now become an Organisational Partner (OP) of the 3rd Generation Partnership Project (3GPP) and a Partner Type 1 (PT1) of one M2M. Membership of TSDSI in these bodies will facilitate India centric development of standards for Machine-2-Machine Communication, which is critical for realising the vision of smart cities.

Revival of BSNL and MTNL

- BSNL has added 47 lakh new customers in the last one year and its revenue has increased by 2.1%.

- BSNL in the process of setting up 25645 new BTSs in Phase-VII of its expansion plan at a cost of ₹4,805 crore. 15000 such BTSs installed in the last one year.

- BSNL plans to replace the network of wireline local exchanges by IP (Internet Protocol) enabled Next Generation Network. More than 30 yrs old 432 Telephone Exchanges and 70 lakh telephone lines are being replaced with this new technology. 136 Exchanges have been migrated to NGN in last one year.

- BSNL signed an MoU with Bangladesh Submarine Cable Company Limited (BSCCL) to provide alternate internet connectivity to North East.

- MTNL is setting up/upgrading 2160 3G and 1466 2G sites in Delhi & Mumbai. After having seen a negative growth in subscriber base for last two years, MTNL has first time seen a positive growth in its subscriber base. In last one year it added 2 lakh new subscribers.

- To provide greater value proposition to their esteemed customers, both BSNL and MTNL launched schemes to the benefit of their landline and broadband customers by allowing unlimited free local calls during night hours (2100 hrs to 0700 hrs by BSNL and 2200 hrs to 0700 hrs by MTNL) effective from 1st May, 2015. MTNL have also made the STD call charges local by making call charge rate 180 sec/pulse during night hours between 2200 hrs to 0700 hrs.

Department of Posts

e-Infrastructure & e-Governance

- This pan India project covering 1,55,000 post offices, including about 1,30,000 post offices in rural India is aimed at creating an IT infrastructure than can be used by both public as well as private sector, especially in the rural areas.

- Biometric, solar charged, mobile hand held devices with wireless connectivity are being supplied to about 1,30,000 rural post offices. IT Application for these Mobile devices is under development and shall facilitate Postal and other Government (Common Service Centre) services to the rural customers.

- 27,215 Post Offices, Mail offices, Accounts offices, Administrative offices and Store depots have been networked in a country-wide WAN. This makes it the largest single organisation WAN in the country.

- 2590 Post Offices across the country having ₹14.55 crore accounts and savings certificates and a deposit of ₹2,28,505 crore have been migrated to Core Banking Solution (CBS). 115 aATMs have been installed.

- Core Insurance Solution for providing the facility to deposit policy premium in any Post Office and online automated claims management and online renewal notices, faster claim settlement and improved after sales service has been rolled out in 12,102 Post Offices.

- A mobile app has been launched for providing track & trace for mails and parcels, pincode and post office search, Saving schemes information and calculation of maturity value etc.

Release of commemorative postage stamps on 100 years of Mahatma Gandhi's return to India by the hon'ble P.M.

Financial Inclusion through New Schemes

- Sukanya Samriddhi Yojana was launched by the Hon'ble Prime Minister on 22nd January, 2015. Within a short span of time, 43 lakh accounts have been opened in post offices. The total amount deposited in the accounts is approximately ₹.562 crores.

- Kisan Vikas Patra (KVP) scheme was re-launched on 18th November, 2014. Within a span of six months 28 lakh KVP certificates have been sold through Post Offices with a total investment of ₹2,549 Crores.

Post Bank of India

- In order to leverage the Post Office network for promoting financial inclusion through the Pradhan Mantri Jan Dhan Yojana, it was announced during the Budget speech on 28th February 2015 that Payments bank shall be set up by the Department of Posts. The Department has applied for a Payments Bank license to RBI and a Detailed Project Report has also been prepared in this regard.

- Post Bank of India shall be a technology driven corporate entity leveraging the vast Post Office network and fully owned by the Department of Posts.

Simplifying process to improve access to Postal services

- In order to make the Public Provident Fund accessible to almost the entire eligible population of the country, the facility has been extended to all double handed and bigger Post Offices in the country with effect from 9th January, 2015, with the concurrence of the Ministry of Finance. This has resulted in adding 6000 additional post offices to the network.

- A simplified combined Money Order form has been prescribed for the public for all the three money order remittance services of the Department, viz. eMoney Order, Instant Money Order and Mobile to Mobile Money Transfer Services, for which separate booking forms were being used earlier.

- The franchise scheme of the Department for the sale of stamps and postal stationery through private outlets has been revamped to enable easy availability of stamps, postcards and letters through private outlets.

Inter-Ministerial Task Force on Leveraging Post Office Network and Two internal Task Forces for Scaling up Life Insurance Business and Capturing e-Commerce Market

- As per the directions of the hon'ble Prime Minister of India, an inter-Ministerial Task Force on Leveraging the Post Office Network was set-up in August 2014. The Task Forces have given several recommendation which are being implemented.

- The limit of maximum sum assured in 'Postal Life Insurance' policies has been enhanced from ₹20 to 50 lakh in December, 2014 to give benefit of greater insurance coverage to the customers. The maximum sum assured limit for RPLI (Rural Postal Life Insurance) is also being enhanced from ₹5 lakh to 10 lakh.

- Total PLI/RPLI premium income in the last one year was about ₹8217 crore (approx.) showing 12.39% growth over premium collection in the previous year.

- The Department has started augmenting the parcel booking and transmission capacities all over the country in order to tap the growing e-Commerce business. 28 Parcel booking centres have been established and these efforts have resulted in a 36% growth in Parcel revenues in the last one year.

- Department has handled COD (Cash on Delivery) worth around ₹500 crore in the last financial year; total COD collection for 2013-14 was ₹100 crore.

- A pilot started with M/s Snapdeal.com (Jasper Infotech Pvt. Ltd.) in Varanasi w.e.f. 25th December, 2014 to provide a platform for online sale of merchandise of Varanasi weavers so as to extend the benefit of e-Commerce to the small weavers etc.

- Notices/Summons of Hon'ble High Court of Delhi are being booked through Speed Post with Proof of Delivery facility. The Proof of Delivery in its return transmission is also booked under Speed Post. Department of Posts is also providing specially designed envelopes for this purpose. The service of delivery of Notices/summons through Speed Post has now been extended to Odisha High Court and Punjab & Haryana High Court.

- Department has introduced an automated Short Messaging Service (SMS) on the sender's and addressee's mobile (captured at the time of booking) intimating the arrival of article in delivery Post Offices and delivery status.

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Ministry of Communications and Information Technology
Government of India

May, 2015