

# ECONOMIC, SOCIAL, ENVIRONMENTAL IMPACT AND CHALLENGES OF DIGITAL INDIA

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**Abstract:** The "Digital India" plot goes for benefiting digitizing of various element undertakings of all focal government and services like training, wellbeing administrations and different administrations, which can be conveyed to overall population utilizing Information and Communication Technology (ICT) by, mix every one of the territories of our country. It settle encourage in blending with the overall patterns of advanced modernization and create idealistic power in the lives of subjects - rustic and urban, youthful and old." amid this paper has talked about key highlights, effect, openings and difficulties of Digital India program.

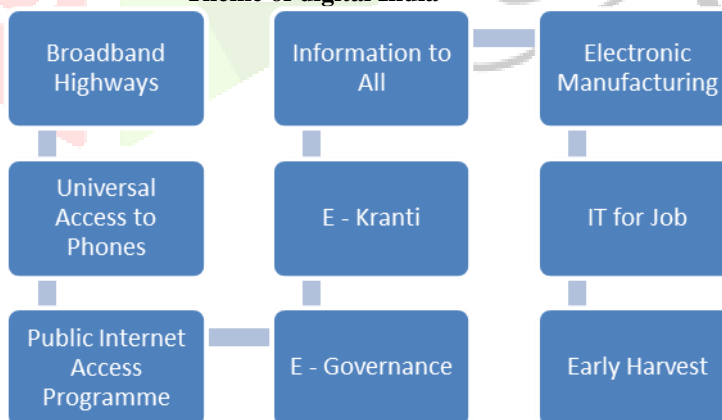
**Key words:** Digital India, Economic, Social, Environmental, Impact and Challenges

## INTRODUCTION

Digital India a Program propelled by The Honorable Prime Minister Narendra Modi on first July 2015. The "Computerized India" conspire goes for profiting digitizing of various substance activities of all focal government and services like instruction, wellbeing administrations and different administrations, that can be conveyed to overall population utilizing Information and Communication Technology (ICT) by mix every one of the zones of our country together with the Gram Panchayats at far over the ground speed web completely through broadband network, keeping in mind the end goal to focus on the e-administration turn more than 2019. It can also be seen as the after that stride of beforehand organization countrywide e-Governance course of action. In this plan government will have an inclination to affirm Public Private Partnerships (PPP) wherever workable for doing of this proposition. For the even execution of this educational modules, government will create National Informatics Center which is in control to take Information Technology extends in government offices. For all the more quickly design, grow and execute a decision of e-Governance ventures, in no less than 10 input services places of Chief Information Officers (CIO) will be molded and fundamental more established positions contained by the segment will be formed by Department of Electronics and Information Technology for organization the undertaking. It is precisely thought by the honorable Prime Minister of India, Narendra Modi that Information Technology the big time critical part to detail India an advanced country, in his words:

**India Today (IT) + Information Technology (IT) + INDIA Tomorrow (IT)**

**Theme of digital India**



## Broadband Highways

The government with the dream of "Digital India" has charged `5 billion to develop far over the floor speed broadband parkways connecting each one the towns, government offices, colleges, R&D establishments, and so on. The computerized development sees broadband as a key in driver in tending to the difficulties in the Millennium extension Goals as a matter of first importance from side to side fiber systems. The across the nation visual fibrer set-up conspire, supported by the Universal update impulse back, has set the stage for given that broadband right of passage to the nation's 250,000 gram panchayats by 2016. 1 This `200 billion mission includes lying 600,000 km of fiber the nation over.

BSNL, RAILTEL (telecom arm of the Indian Railways), and Power Grid Corporation are the three open area associations in control for this colossal mission. The commitment of individual gathering of performers is to a great degree key for speedier smash of optic fiber arranges transversely the traverse and broadness of a colossal country like India. The contention from private players won't just carry adequacy into the procedures however too helps in bringing behind the value of rapid computerized

administrations. Besides, the modernization in showcasing, tasks and business methodology built up by cryptic organization can help in quicker and better execution of high data transfer capacity benefits in the remote and rustic zones.

### Universal Access to Phone

The proposal is to spotlight on network diffusion and fill up the gaps in connectivity in the country. All mutually 42,300 revealed villages will be covered for on condition that universal mobile connectivity in the country. The nodal department and scheme cost will be approximately Rs 16,000 Crores during Financial Year 2014 to 2018.

### Public Internet Access Programmme

The two subordinate techniques for Public Internet Access Program is ordinary Service Centers and Post Offices as multi-benefit focuses. Basic check Centers would be fortified and its measure would be superior to sooner than from in the locale of 135,000 prepared at in nearness to 250,000 i.e. single CSC in each Gram Panchayat. CSCs would be outright helpful, multi-valuable completion point for arrival of government and business administrations would be the nodal assignment to set enthused about capacity the plan. The entire of 150,000 Post Offices are unsurprising to be deformed snared on multi benefit focuses. Branch of Posts would be alive the nodal allocation to execute this plan.

### E-Governance

The national e-Governance arrangement has been figured by the division of Electronics and Information Technology and subdivision of Administrative Reforms and Public Grievances. The e-administration proposition is system in similarly incorporated and decentralized method. The incorporated strategy centers on let go operability of a variety of e-administration applications and guarantees the larger part thoughtful capacity of ICT framework and riches even as taking into consideration a decentralized accomplishment portrayal. There are various grouped activities from focal government and in addition state-governments beneath the plan to make certain taxpayer driven organizations are available to masses by carefully.

- Pensioners' limit, an online door called Pensioner's entrance has been formed for the reviewed of beneficiaries' grievances. It what's more gives in succession to retired people on surrendering work and benefits related issues.
- The Digital cut maker Intel the length of among the legislature uncovered an advanced aptitudes training apply for in 5 Indian dialects which incorporates modules on computerized proficiency, fiscal consideration, human services and sanitation. Intel wills exertion with the Indian government to create computerized literates crosswise over 1000 panchayats, a move that will affect five million nationals by the consummation of 2015.

### e-Kranti

The e-Kranti mission provides electronic liberation of services to the citizens. The government has owed `5 billion for the e-Kranti mission which includes a lot of associate stage projects discussed below:

Technology for Education – e-Education	for	Every Schools will be associated with broadband. free of charge wifi will be provided in all secondary and higher secondary schools (exposure would be approximately 250,000 schools). A programme on digital literacy would be in use up at the nationwide level. Massive Online Open Courses shall be residential and leveraged for e-Education.
Technology for Health – e-Healthcare	for	E-Healthcare would envelop online health discussion, online medical report, online tablets provide, pan-India swap for patient in sequence. Pilots shall live undertaken in 2015 and complete reporting would be provided in 3 years.
Technology for Farmers	for	This would facilitate farmers to get real time price information, online ordering of inputs and online cash, loan and relief payment with mobile banking.
Technology for Security	for	Mobile based emergency services and calamity associated services would be provided to nation on genuine point in time foundation so as to obtain defensive measures well in point and diminish defeat of lives and properties.
Technology for Financial Inclusion	for	Financial Inclusion shall be strengthened via mobile phone Banking, Micro-ATM curriculum and CSCs/ Post Offices.
Technology for Justice	for	Interoperable illegal fairness organism shall be strengthened by leveraging e-Courts, e-Police, e-Jails and e-action.
Technology for Planning	for	Nationwide GIS assignment method scheme would be implemented to make easy GIS based pronouncement creation for mission setting up, conceptualization, plan and expansion.
Technology for Cyber Security	for	Public fake safety bringing together midpoint would be set up to make certain secure and safe cyber-space inside the nation.

### Information for All

- Open Data stage and online hosting of in sequence & documents would make easy unlock and simple access to information for people.
- Government shall in favor of aggressively appoint from side to side common media and network based platforms to update people. MyGov.in has previously been launched as a standard to swap thoughts/ suggestions through Government. It will smooth the progress of 2-way announcement among people and government.

- Online messaging to society on particular occasions/programs would be facilitated all the way through emails and SMSes.
- The above would in principal develop obtainable infrastructure and would require imperfect other resources.

### Electronics Manufacturing

Objective **NET ZERO** Imports is a prominent demonstration of intention. This determined objective requires matched exploit on a lot of fronts

- Taxation, incentives
- Economies of scale, reduce price disadvantages
- Focal point areas – large Ticket substance FABS, Fab-less design, put crown boxes, VSATs, Mobiles, Customer & Medicinal Electronics, elegant power meters, Smart cards, micro-ATMs
- Incubators, clusters
- Ability Expansion
- Government procurement

There are numerous continuing programs which determination is very well tuned. obtainable structures are insufficient to grip this aim and require growth.

### IT for Jobs

- One Crore students from slighter towns & villages will be qualified for Information Technology segment jobs more than 5 years. Would be alive the nodal section for this proposal.
- Business processing Outsourcing would be located in each north eastern state to make easy ICT enabled enlargement in these states. Would be the nodal division for this proposal.
- 3 lakhs service release agents would be qualified as part of ability expansion to sprint workable businesses delivering Information Technology services. Would be the nodal division for this plan.
- 5 lakhs rural workforces would be skilled by the Telecom Service Providers (TSPs) to provide to their possess requirements. Department of Telecom would be the nodal division for this system.

### Early Harvest Programmes

IT Platform for Messages	A Mass Messaging Application has been residential by that will wrap chosen council and all Government workers. 1.36 Crore mobiles and 22 Lakhs e-mail are element of the catalog.
Government Greetings to be e-Greetings	Storage bin of e-compliments templates have been completed obtainable. Swarm sourcing of e-Greetings from side to side MyGov stand has been ensured. E-Greetings gateway has been finished be alive on 14th August 2014.
Biometric attendance	It will envelop each and every one Central Govt. Offices in Delhi and is previously equipped in DeitY and has been initiated in the division of Urban Development. On-boarding has also in progress in additional departments.
Wi-Fi in All Universities	The entire universities on the National Knowledge Network (NKN) shall be enclosed under this scheme. Ministry of HRD is the nodal ministry for implementing this proposal.
Secure Email within	Email would be the most important method of message. Phase-I up gradation for 10 lakhs workers has been accomplished. In Phase II, infrastructure would be additional upgraded to cover up 50 lakhs.

### Estimated Cost and Impact of Digital India Overall Costs of Digital India

- Rs 100,000 Cr in continuing schemes (only DeitY, DOT & not incl. those in other line Ministries)
- Rs 13,000 Cr for fresh schemes & actions

### Impact of Digital India by 2019

- Broadband in 2.5 lakhs villages, worldwide phone connectivity
  - Net Zero Imports by 2020
  - 400,000 Public Internet right of entry Points
  - Wi-fi in 2.5 lakhs schools, all universities; Public wi-fi hotspots for people
  - Digital enclosure: 1.7 Cr qualified for IT, Telecom and Electronics Jobs
  - Job formation: Direct 1.7 Cr. and roundabout at least 8.5 Cr.
  - E-Governance & e-Services: crosswise government
  - India to be person in charge in Information Technology use in services – health, education, banking
  - Digitally empowered people – community cloud, internet access
- Other Impacts of Digital India** The Digital India mission provides a massive occasion to use the newest technology to redefine the paradigms of service liberation. A digitally associated India can facilitate in improving social and monetary circumstance of people living wage in rural areas from beginning to end expansion of non-agricultural economic actions separately from provided that right of entry to education, health and financial services. on the other hand, it is significant to note that ICT single-handedly cannot straight direct to generally enlargement of the country. The largely growth and development can be realized through

behind and attractive fundamentals such as literacy, essential infrastructure, overall business situation, regulatory environment, etc.

### **Economic Impact**

According to analysts, the Digital India design may enhance GDP up to \$1 trillion by 2025. It can take part in amusement a key in work in widespread monetary factors, for example, GDP extension, work innovation, labor profitability, development in number of organizations and income spillages for the Government. According to the World Bank report, a 10% expansion in portable and broadband dispersion builds the per capita GDP by 0.81% and 1.38% in a specific order in the creating countries. India is the second greatest telecom commercial center in the globe with 915 million remote supporters and world's third greatest Internet commercial center with approximately 259 million broadband clients. Show is as yet a gigantic financial prospect in India as the tele thickness in country India is just 4510 where over 65% of the general population lives. Potential development of media transmission generation in arrangements of numeral of endorsers is unsurprising to come up to from rustic zones as town zones are immersed with a tele thickness of over 160%. The advanced platform can encourage more unique and administration arranged managing models that create work openings. The Digital India design itself will deliver business open doors for 17 million individuals straight or indirectly which will help in fighting contiguous animal without work issues in India. Government has intended to give Information Technology preparing to 100 million understudies in minor towns and towns as work open door in Information Technology division is to a great degree high in India.

### **Social Impact**

Social divisions, for example, instruction, human services, and keeping money are not competent to achieve out to the general population inferable from deterrents and confinements, for example, mediator, ignorance, absence of learning, low quality, not have of assets, data and investment funds. These difficulties contain prompt an extreme development in the provincial and urban regions by methods for clear contrasts in the monetary and social position of the residents in these regions. Display ICT makes it simpler for country to accomplish access to administrations and salary. The immersion of versatile methodology might be to a great degree supportive as a reciprocal channel to open administration discharge not together beginning making of absolutely new administrations which may huge affect the perfection of presence of the clients and manual for social redesigning. The poor proficiency rate in India is because of inaccessibility of considerable framework in rustic and far off territories. This is some place m-Education administrations can participate in amusement and huge obligation by accomplishment remote loads. As indicated by gauges, the computerized proficiency in India is by and by 6.5% and the web dispersion is 20.83 out of 100 tenants. The computerized India mission will be steady in gave that constant instruction and mostly manages the test of be shy of educators in training game plan from side to side exquisite and commonsense classrooms. Training to agriculturists, fisher men can be given completely through portable system. The rapid system can make accessible the adequate interchanges for online instruction stages like gigantic open online courses. Portable and web saving money can show signs of improvement the monetary consideration in the country and have the capacity to produce win-win condition for all gatherings in the esteem chain by making an entomb operable framework and returns conveyance plans of action. Telecom administrators acquire additional income streams even as the banks can touch base at new customer bunches causing least potential costs. Factors, for example, a quickly expanding populace, poor specialist persistent proportion (1:870), far over the ground baby mankind rate, developing living desire, less quality doctors and a main part of the people alive in remote towns, convey and give justifiable reason explanation behind the require for tele medication in the country. M-wellbeing know how to support change and increase and achieve of medicinal services administrations. Computerized stages have the capacity to encourage ranchers in learning (trim decision, seed assortment), foundation (atmosphere, put security, cultivating most great practices) and commercial center all together (commercial center costs, showcase require, co ordinations).

### **Environmental Impact**

The most imperative changes in the innovation breathing space involve conveyed changes to the fiscal association as well as adding to the environmental changes. The after that age innovations are serving in bringing down the carbon stride by dropping vitality usage, discard organization, greener work environments and thusly most imperative to a greener biological unit. The ICT division helps in capable administration and routine with regards to hard to find and non-sustainable belonging. Tele rate in work circumstance and also home aides in making a handy environment for up close and personal discussions and limits the require for travel. similarly, the adaptable work climate where occupation starting home and bring-your-own-bit of gear are admissible, can extensively decrease their carbon trail and prepared expenses by not just plunging the electronic misuse in the state of workstations, work areas, and so on however what's more by dropping the expect of enormous changeless work environment space for organizations. An educational modules in the UK build up that an individual from staff can keep 1,175 pouring miles consistently, adding up to a 364.5kg reduction in carbon emanations at what time he workings from house 1.5 days each week. M2M empowered methodology and advances like exquisite check, keen network, savvy co ordinations and shrewd structure help in a considerable measure of divergent propensities by ingenious power organization. Darken registering innovation limits carbon discharges by humanizing portability and versatility. The power use can be diminished starting 201.8 terawatt hour (TWh) in 2010 to 139.8 TWh in 2020 by prevalent acknowledgment of darken data focuses causing a 28% decrease in carbon track from 2010 levels. Computerized media for report concentrated military, for example, matchless quality, ticketing, daily paper, and so forth may not just result in efficient arrival of administrations yet at the comparative time would second rate the utilization of archive, along these lines avoiding deforestation.

## Challenges

Digital India launch in addition features a few challenges similar to: seclusion shield, statistics defense, fake Law, Telegraph, E-Governance and E-Commerce Etc. Freshly, ninth India Digital Summit was been hosted by the Internet and Mobile involvement of India in New Delhi on January 2015 to talk about the tactics of Digital India program. Present the growth in mobile wallets in India for imbursement and e-commerce communications was been discussed by a board, as over 60% of Indian people motionless contract in currency and don't have bank accounts, so in arrange to set up digital operation mobile wallets are extremely necessary. Rajan Anandan, organization executive at Google India, said: "Enabling pleased utilization in restricted Indian languages can very much move forward the Internet utilization up." Bipin Preet Singh, organizer and Chief executive officer at MobiKwik, thought "Consumers can trounce the trust factor in online payments," Alope Bajpai, Co-founder and Chief executive officer of meta search site ixigo.com, believed: "even as the enlargement in desktop is more or less zero, it's wonderful on mobile," "It is not simply mobile primary any longer but mobile only rapidly will contain to observe whether to effort of several auxiliary on growing our desktop practice." Dhruv Shringi, Chief executive officer of Yatra.com, assumed: "The after that obsession to plan for travel companies is personalization of travel purchases such as hotels and festival packages as also by means of analytical computing to appreciate and forecast customer actions and reacting to it."

## Conclusion

Reform and re-focus more than a few obtainable schemes to carry in a transformative force. The Digital India dream aims to change our nation into a digital financial system with contribution from citizens and businesses. This proposal will make sure that all government services and in sequence are obtainable wherever, anytime, on any piece of equipment that is easy-to-use, unspoiled, extremely offered and protected. The Digital India plan is just the foundation of a digital rebellion, once implemented correctly it will open a variety of new opportunities for the citizens. It is one of the very determined programs of Indian government, and is in a straight line monitored by Honorable Prime Minister of India. The program is a multi bureau plan, with the taking part of central filing cabinet ministers, state governments etc. Different impressive companies like Microsoft, Google and Fujitsu will also decided be associate and facilitate the achievement of Digital India project. At the same time as there are many obstacles in the pathway of Digital India program, one main of which is electrical energy. But this difficulty will quickly be solved as present will be heaviness on local privileged to get electrical energy in their village when Digital India program will be administration in the close at hand villages. Also, it will open gates for employment as Telecom Minister Ravi Shankar Prasad thought as addressing students at Shri Ram College of Commerce: "Information Technology gives employment to regarding 30 lakh people. Formerly Digital India becomes realism, we can give jobs to five crore plus citizens."

## References:

- [http://deity.gov.in/sites/upload\\_files/dit/files/Digital%20India.pdf](http://deity.gov.in/sites/upload_files/dit/files/Digital%20India.pdf)
- <http://www.bgr.in/news/google-ready-to-help-in-digital-india-project/#more-338552>
- <http://www.bgr.in/news/fujitsu-to-bring-social-apps-to-boost-digital-india-drive/>
- [https://en.wikipedia.org/wiki/Digital\\_India](https://en.wikipedia.org/wiki/Digital_India)