

# Need and Importance of Digital India for Indian Economic Development



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## Abstract

Digital India is an embassies program of Indian government with a vision of transform India into a digital empowered society, with good governance for citizens by bringing synchronization and coordination in public accountability, digital connectivity and delivering the government programs and service to mobilize capability of information technology across government department. Digital India imaging universal digital literacy and approachability for all resources for citizen by ensuring that the resources and services are accessible in regional languages and providing digital scaffold to participatory governance ensuring convenience, like all government certificates and documents available on the cloud with portability. Digital India is a mission to prepare India for a knowledge future for making technology central to enabling change. The Digital India program rests on nine pillars:- Broadband Highways,

Universal Access to Mobile connectivity, Public Internet Access Programs, E-governance, Reforming government through technology, E-Karanti Electronic Delivery of services and information for all. Electronics Manufacturing IT for jobs and Early Harvest programs for enabling storage of legacy document in digital format to providing a unified platform for all scholarships and facilitating online registration and obtaining appointment in hospitals to propagating widespread use of digital signatures, form setting up a national centre for flexible electronics to creating an electronic development fund as fund of funds for creating the fiber optic backbone infrastructure across the country to moving ahead with the next Generation network that heralds the convergence of voice, date and multi –media services. Digital India is the most comprehensive program under implementation.

**Keywords:** Accountability, Broadband, Comprehensive, Convenience, Initiative, Synchronization, Transformative, Portability.

## Introduction

Digital India is a step to the government of India to inspire and connect Indian economy to such a knowledge savvy world. It was launched on 2 July 2015 to ensure that government services are made available to citizen to improving online infrastructure and increasing internet connectivity for making the country digitally empowered in the field of technology. It consists of three core components as following

1. The creation of digital infrastructure.
2. Delivering services digitally.
3. Digital Literacy.

The program targets to make government services available to people digitally and enjoy the benefit of the newest information and technological innovations. It bring out various schemes like E-health, Digital locker, E-sign, E-Education and nationwide scholarship portal. Digital India program strives to provide equal benefit to the user and the service provider. The consumer will be benefited by way of saving time, money, physical and cognitive energy spent in length of government processes like as :- Digital ticketing will lead to reduction in queue at ticket counter with online resources for booking, online tax return filing etc. The aim of Digital India program to give a unique ID and E-Pramaan based on authentic and standard based interoperable and integrated government applications and data basis. This program will also lead to paperless work and reduction in cost to the government expenses. Government service will be available to every citizen electronically.

“Technology transforms people’s lives. It empowers and connects. From mitigating poverty to simplifying processes, ending corruption to providing better services, vitality of technology is everywhere. It is an important instrument of human progress.”

Narendra Modi Ji (Prime Minister of India)

### **Needs for Digital India**

Digital India program is a umbrella project to the government and blessing for the citizens to bring India to a global platform with participation from people and business. Digital India Program will ensure that all the government services and information are available anywhere, anytime, on any device that are user friendly and secured. The transformation will make into reality when every citizen of India initiative could help in achieving the many objects:-

1. Education for all.
2. Information for all.
3. Broadband for all.
4. Leadership structure.

Vision for Digital India

### **Three main keys area focus in Digital India**

#### **Infrastructure as Utility to every citizens**

1. High speed internet as a core utility shall be made available with public cloud sharable on private space.
2. Bank account and mobile phone would enable participation in digital and financial space at individual level.
3. Smooth access to common service centre within their surroundings.
4. Cradle to grave digital identity – lifelong, unique, authenticable and online.
5. Secure and safe cyber space in the country.

#### **Digital Empowerment of citizens**

1. Universal digital literacy.
2. Transportability of all entitlements through the cloud for individuals.
3. Availability of all digital resource universally.
4. All govt. certificate and documents to be available on cloud.
5. Collaborative participative governance for digital platforms.
6. Availability of digital service in Indian languages.

#### **Services and Governance on Demand**

1. Government services digitally transformed for improving comfort of doing business.
2. Government ministration available in real time from online and mobile platform.
3. Harmlessly integrated across department to provide easy and a single window access to all persons.
4. Every citizen entitlements to be available on the cloud to assure easy access.
5. Making financial transactions above a threshold, electronic and cashless.

#### **Scope of Digital India Programs**

The scope of overall programs is:-

1. To develop India for a Knowledge able future by developing central technology for allowing revolution which covers many departments under one umbrella program.
2. The digital India program will pull together many existing schemes which would be re focused restructured and implemented in a synchronized manner for their transformative impact.
3. Digital Targets to provide the much needed sense to the following nine pillars of the growth.

### **Nine Pillars of Digital India**

#### **Broadband Highways**

The first step is to provide high speed broadband highways through fiber optics that connect all the remote areas, government department, Universities, Research and development centre, Web based portals and mobile apps will be developed to access online information while in move.

#### **Universal Mobile Access**

In the coming year network technologies like 3G, 4G and upcoming 5G will storm the speed. Government is specially preparing to connect unconnected are and speedy use of these technologies. General public will access the online government services with the help of handheld devices. Nation is ready to be well connected, efficient and more productive in every aspect.

#### **Public Interest Access**

Virtuous technologies that support cost containment, collaborative, security, social connect and in-built intelligence that deliver remote access to any information or service available across the domain. This change will open new doors to E-services to every citizen.

#### **E-Governance**

this governance will transform every manual work into fully automation system. It will revolutionize the system in the following way:

1. Online access to applications availability of all databases and information in electronic format.
2. Effortlessly tracking of assignment.
3. Interface between departments for superior production of work.
4. Quickly respond, analyze and resolve persistent problems and many more.

#### **E- Kranti**

Electronic Kranti will focus on digital knowledge program where education, health, farming, financial and many more service will be delivered on a very high bandwidth. Physical boundaries no longer are a limitation when almost everyone and everything is a digital handshake.

#### **Information for all**

Websites and mobile apps will convey date and realistic participation and through social media. Everything is connected through virtual networks. Swift work flow and no delays due to wait in queues.

#### **Electronics Manufacturing**

Digital India program milestone will create a huge base for electronic manufacturing in India with the aid of digital technologies and skills. The empowerment of manufacturing through the internet of things will enable intelligent workshops that demonstrate data driven operational excellence and decentralized production control systems within and beyond the physical factory well.

#### **Jobs for Information technology**

The government is preparing to provide training and teaching skills to the youth for employment opportunities in the IT sector. BPO industries will be established for the fastest growing segment of the information Technology Enables services Industry. It offers E-services 24\*7 in every field and give more jobs potentials.

**Early Harvest**

This program will generate short timeline projects where every manual service is altered by e-service, like as :-implementation WI-FI in all university , public WI-FI sports to access online, Educational books to E-books, people will use the e-services for entertainment , weather information latest updated, and Replacement of manual attendance to Biometric procedure.

**Barriers and Remedies of Digital India**

Digital India is a great plan but its improper implementation due to inaccessibility and inflexibility to requisite can lead to its failure. There are few barriers of the Digital India program are following :-

1. Infrastructure deficit such as lack of towers especially in rural and remote area of the country.
2. Auxiliary services such as health, education, banking governance etc will not properly developed.
3. No separate entity for consumer readdress under the program.
4. Beneficiaries may not have adequate proper knowledge of digital India program.

To Overcome all these Barriers, we need to find some remedies

1. To inspire the youth for making effective digital India program.
2. Government should conduct the seminars to aware people about the digital services.
3. Mandate a lecture about digital India in every education institute to enhance the policy of digital India program.
4. To print the booklet of E-services with picture and distribute to each home for awareness.
5. To turn the village into smart economic centers that connects farmers directly to E-Marketing to know the well price of crops.
6. To launch a help line no of digital India program so that the people can tell the problems relating to E-services.
7. Have a dedicated training institute in each state under digital India program and aid to augmenting the digital literacy and awareness.
8. Some new programs will be needed particularly in electronic manufacturing and skill development.

**Conclusion**

The outcome of Digital India is to Produce Wi-Fi location for people, creating jobs, Universal phone connection , high speed internet, Digital Inclusion, Digital motivated people, National scholarships portal, Digital locker system, E-education, E-health, E-governance, E-services making India to be pioneer in Information technology use solution.

Hence it conclude that digital India program is a flagship program of the government of India to provide connectivity and technological opportunity to digital empowered society and knowledge economy. Digital India programs is facing some barriers, yet it has a great impact on India to make the best future of every citizen. Digital India campaign is a welcome step in shaping India of the 21<sup>st</sup> century powered by connectivity and the technological opportunity.

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