

# THE IMPACT OF INFOTECH SERVICES ON THE INDIAN ECONOMIC PROSPERITY

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**Momin Mohammad Nadeem Mohammad Yasin**

Research Scholar North East Frontier Technical University

**Dr. Awari Mahesh Babu**

Head of the Department - Computer Science

Sun Shine College, Mandrella, Jhunjhunu

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## ABSTRACT

India being a profoundly associated and computerized prepared economy stays high potential market worldwide contribution different freedoms. India presents an enormous and blossoming end client market being world's second-biggest populace in world. India is good to go to jump into the advanced world with 937 million portable supporters, 278 million web clients, a USD 14 billion web based business market. Indian IT industry has developed numerous manifolds since 1980s. The business has contributed significantly to the economy as far as GDP, jobs and unfamiliar trade income. IT industry is additionally liable for expanding the ability and profitability of practically all areas of the economy like administrations at banks, mail centers, railroads, air terminals and so forth e-administration has expanded the proficiency of government workplaces. In this postulation we have examined various manners by which IT industry has added to India's development. The IT Industry in India has shown an amazing development over the most recent twenty years. It has moved exceptionally a long way from insignificant level of GDP to a great rate. As the worldwide economy improves, and shopper certainty expands, putting resources into new innovations such web of things, items and stages, distributed computing, versatility and investigation and so forth will empower merchants to acquire proficiency, spryness, admittance to buyers, and development.

**Keywords:** *Economic Prosperity, Info tech Services*

## INTRODUCTION

India has arisen as one of the quickest developing economies of the world and Information Technology (IT) area has been assuming a significant part in such manner. To investigate the advancement of the IT area, it is essential to contemplate the developing idea of administration area in India; this is on the grounds that IT area and administration area are commonly associated. Administration area has been assuming a significant part in the development of Indian economy particularly after primary change software engineer (SAP) in 1991. Monetary advancement is for the most part portrayed by a move from the horticultural area to mechanical area. However, in India there has been a move from the horticulture area to the help area. The commitment of farming area to GDP has tumbled from 45.48% in 1950-51 to 15.10% in 2012-2013 while the commitment of the assistance area expanded from 33.2% in 1950-51 to 56.2 % in 2012-2013. The

commitment of the modern area was 14.1% in 1950-51. It has expanded to 26.2 % in 2012-2013. The commitment of the modern area has been staying pretty much stable since 1980-81 and the significant development was recorded during the most recent decade. This fall in commitment of agrarian area has been gotten by the help area which contributes 56% of the GDP in 2012-13(CSO, 2014). The development of the help area in India has gotten worldwide consideration. It is to be referenced here that the help area has begun developing from center of 1980s however the development sped up during the post advancement time frame. From 1990 to 2000, the pace of development of administration area has been 12.05% when contrasted with 2.67% for farming and 5.96% for industry. The development rate has been 6.96% in 2012-2013 when contrasted with 1.42% for farming and 0.96% for industry (CSO, 2014). There are numerous reasons which added to the development of administration area in India during post progression period. Request side factors like major league salary flexibility of interest for administrations, ascend in extra cash of normal Indians and change in the example of utilization added to the development of administration area in India Supply side factors like utilization of administration as a contribution to creation otherwise called 'fragmenting' has added to the development of administration area.

### **Balanced Regional Development**

The IT area has helped in the reasonable development of the economy. The development has not been restricted uniquely to enormous urban areas of India. Indeed, even the Tier 2 or Tier 3 urban areas have been profited. The achievement of the IT business has prompted the rise of organizations in the more modest urban areas of India. A portion of the Tier 2 or Tier 3 urban communities where IT organizations have fired setting up workplaces are Chandigarh, Mangalore, Indore, Bhubaneswar, Madurai, Mysore, Surat, Kanpur and so on Numerous workers of the IT area are from these Tier 2 or Tier 3 urban areas. The advantages got by them have helped in the advancement of the urban areas or towns they come from. Consequently the IT area has prompted all encompassing advancement of the country. The IT area helped in the improvement of more modest urban areas alongside Tier 1 urban areas like Bengaluru, Hyderabad, Delhi, Kolkata and so forth These Tier 1 urban areas are presently perceived as worldwide IT centers. The major league salary acquired by the representatives of IT area has helped the economy as far as request age and assessment assortment. The high expense paid by the representatives of the area has helped in monetary advancement of the country. The IT business is presently moving to the country regions. In the event that the business can create work in the provincial area, adjusted improvement will be accomplished in obvious sense. The area will decidedly affect the business age in the country area and the strengthening of ladies can likewise be accomplished.

#### **a) Creating India as a Global Brand**

The information technology (IT) industry in India has a humble beginning. It started at a time when there were not many Indian IT businesses established. Several multinational corporations, such as General Electric (GE) and American Express, have headquartered their administrative operations in India. The primary justification was its simplicity. The success of these two multinational corporations (MNCs) gradually encouraged additional multinational corporations (MNCs) to establish their administrative offices in India. The idea of cost was the driving force behind everything. However, as time progressed, Native American groups were given the opportunity to show their efficiency. They were able to provide a high-quality product at an affordable price. The Y2K miracle also helped prepare businesses throughout the globe to reassess their strategies. Recently, Indian information technology companies have begun to show interest in mergers and acquisitions and are working towards becoming global participants in this industry. Indian companies like as

Infosys, TCS, and Wipro are becoming household names and global brands that can be transacted with all over the globe.

## OBJECTIVES

1. To discuss the role and major contributions of IT/ITES sector in the growth of Indian economy.
2. To provide new vistas for further research

## Difficulties of the Information Technology Sector

The best approach to advance for the Indian Information Technology territory has not been smooth. Regardless of the snags, the territory has had the choice to change the worldwide circumstance. The brief test before the zone in any case is to help the advancement it has recently cultivated. The region is facing a huge load of troubles lately and supporting the improvement as time goes on might be an issue for the region. IT industry should discover an approach to counter these troubles to persevere. The troubles are discussed under:

**Competition from different nations:** India is confronting rivalry from different nations. To endure and to hold its serious edge, India should find a way to grow very good quality programming items and in new territories like legitimate cycle reevaluating, environmental change and so on Till now, India's center has been low end programming administrations. To support the development, India needs to zero in on very good quality Software administrations. In this manner, interest in Research and Development (R&D) becomes basic, in any case India won't have the option to hold its situation in the worldwide situation.

**Un-employability of Skilled Labor power:** There is an expansion sought after for talented workforce as India is confronting rivalry from different nations. The issue exasperates on the grounds that there is lack of employable ability (NASSCOM, 2008). In this manner, rebuilding of educational plan is required so that refreshed technology is being instructed at Engineering Colleges; another issue is that, a generous part of gifted labor force from chief foundations are traveling to another country. To forestall this 'mind channel', appealing compensation ought to be paid to the architects.

**Weak Domestic Market:** An energetic homegrown market can protect the IT area from the changes of the global market to enormous degree. Nonetheless, the issue is that our homegrown market has been frail. This is presently changing and a portion of the homegrown areas are embracing IT. One model is the Banking area. The reception must be all over the homegrown area. At that point just the homegrown area will create and produce considerable part of the income for the IT area. This will likewise protect the IT area from variances on the planet market. Government has a task to carry out in the improvement of the homegrown area.

**Under-improvement of the Hardware:** Industry India has been doing admirably in the product part yet we are lingering behind in the equipment part. A significant part of equipment must be imported. Of late China has become our significant rival in programming. China has likewise a strong equipment base. On the off chance that our equipment industry isn't grown appropriately, at that point there is each opportunity of India missing out to China over the long haul.

## Service Quality

Administration quality as far as adding precision and driving imperfections unavailable activities is another wave common among significant help associations to turn out to be more serious on the lookout. The accomplishment in the client focused organizations is directed by offering high and consistently improving assistance quality. Right off the bat, with respect to client appropriation of new administrations, clients would promptly receive imaginative administrations if these are seen to be of excellent. Furthermore, high assistance quality prompts consumer loyalty and constant utilization of the administrations. Conveying high assistance quality produces quantifiable advantages in benefit, cost investment funds, and piece of the pie. Quality is given to evade disappointment among clients that may happen out of contrasts between client insights or assumptions and administration offer's credits. Thusly, administration quality has direct ramifications for client social expectations.

In the accompanying content the idea of administration quality and its measurements have been talked about. This would help in distinguishing the impact of IT on assistance quality which is pertinent to the financial area.

## Conceptualization of Service Quality

Service quality is a notion that has varied aspects and perspectives and conceptualized by many academicians, practitioners, and researchers in different ways. The two schools of thought for defining and understanding the services quality are presented below:

Nordic point of view grouped the assistance quality into two measurements: specialized quality and practical quality. Specialized quality is identified with the result of the help and utilitarian quality infers the manner in which the assistance is conveyed to clients. Later on, the picture of an association as corporate picture was additionally distinguished as an element of administration quality.

US viewpoint characterizes administration quality as the distinction among discernments and assumptions and utilized assistance experience attributes to depict administration quality in 5-10 measurements (for example unwavering quality, responsiveness, sympathy, affirmations, and so forth) They proposed a strategy for estimating administration quality known as SERVQUAL. The American viewpoint depicts administration quality dependent on the credits of administrations.

Others characterize quality as 'readiness for use' 'Conformance to necessity', the capacity to fulfill the requirements and assumptions for the clients". Seen administration quality, as indicated by Parasuraman et al. (1985), is "a worldwide judgment of, or, mentality identifying with the prevalence of the help". "Quality is the entirety of highlights and attributes of an item or administration that bear on its capacity to fulfill expressed or inferred needs".

Measurements of administration quality infer how clients assess the nature of any help. These determinants of administration quality are the bases of client assumptions (before utilization) and client insight (after utilization). The help quality writing shows clashing perspectives on the determinants of administration quality. A few analysts stress utilitarian quality yet others think about both useful and specialized quality. The most well known and generally utilized arrangement of administration quality measurements as propounded by Parasuraman et al. (1985) for estimating administration quality are as per the following:

- Reliability: The first run through made guarantees and consistency in releasing and liberation of the items/administrations
- Responsiveness: Willingness, availability and practicality in releasing of administrations by the representatives
- Competence: Skill blend with regards to representatives
- Access: Ease of contact
- Courtesy: Respect, pleasantness, thought and amicability
- Communication: Convenient and satisfying language
- Credibility: Honesty, reliability and credibility
- Security: Services with least dangers
- Understanding the client : Understanding the develop of client

### **Foreign Investments in IT Industry in India**

A number of foreign investors are investing in Indian software industry thus contributing to the growth of Indian economy. These investments are mainly in the form of –

- 1) Foreign Direct Investment There are various global organizations in India that put straightforwardly in their organizations in India for example Google, Accenture, Microsoft and so forth Apple is additionally wanting to make its items in India. These organizations get the advantage of utilizing Indians (India delivers great number of programmers consistently from an enormous number of presumed instructive establishments) at truly sensible compensations. According to Department of Industrial Policy and Promotion, Government of India, Ministry of Commerce and Industry, FDI Equity Inflows for Computer Software and Hardware from April 2000 to December 2016 was rs 124,333 crores for example US\$ 22,832 million. It was 7% of the complete FDI Equity Inflows.
- 2) Foreign Institutional Investments Indian economy is developing quick and has pulled in the consideration of unfamiliar financial backers as a promising business sector for speculation. Numerous nations like US, Malaysia, Singapore, China, and Dubai have put resources into Indian stocks that incorporate the IT area. India has been put in third position among the nations that are viewed as most alluring venture objections for innovation exchanges according to the report of Ernst and Young's (EYs) Global Capital Confidence Barometer (CCB). Unfamiliar Institutional Investors (FII) property taking all things together National Stock Exchange (NSE) recorded organizations rs 19.32 lakh crores in the quarter finishing March 2015. Out of this rs 2.77 lakh crores is in Indian IT area. Total estimation of speculations by FIIs during April 2000-December 2015 remained at US\$ 179.32 billion.

### **RESOURCE DEVELOPMENT**

Growth of IT industry in India requires a large number of knowledgeable and skilled human resources. A number of professional colleges all over India are producing the required workforce and so there is no dearth of skilled employees to work in IT industry and BPOs. They are globally at par with the best human resources available and are available at very reasonable salaries.

Knowledge Process outsourcing (KPO) is one of the new dimensions of BPO that has given global outsourcing scenario a new meaning. KPO means outsourcing of basic information related to business activities which are important for a company to add value to its functioning, manage the shortage of skilled labour and help in cost reduction. It requires a high degree of expertise, analytical and technical skills. KPO in India has shown a tremendous growth in the last decade. Many countries look to India for their job work as Indians knowledgeable, skilled, good in English and cost effective as well. India's IT outsourcing companies traditionally billed clients on the basis of staff working on their projects, linking revenue directly to headcount. That is changing with the industry increasingly adopting automation to do repetitive and low-level jobs. The new focus is on niche areas such as artificial intelligence and cloud, and people with skills in these domains are in high demand. Others, especially fresh graduates, may find it tougher to find job.

About the position of women in IT industry, NASSCOM states, "In the Indian IT industry, women now account for close to 30 per cent of the total workforce and this is expected to go up to 45 per cent by 2010. What is noteworthy is the steady rise of the figures. The figure, according to the Registrar General of India, as in 1981 was 19.7 per cent, which rose to 22.7 per cent in 1991, further rising to 25.7 per cent in 2001". India is much ahead of the United States in terms of women working in the information technology services.

## CONCLUSION

Indian IT industry is one of the vital enterprises to contribute its importance in the development factors of GDP of India, fares, income and business. India's IT programming and administrations trades have been rising quickly. The yearly development rates range between 20-22% in IT benefits and close about 55% in IT, IT empowered administrations (ITES, for example, call focuses, Business Process Outsourcing (BPO) and other. IT industry is spreading its administrations in different areas as carrier data, protection, medical care, neighborliness, capital market, banking area, contract organizations and so forth The IT area has achieved upheaval in India especially since 1990s. This is on the grounds that it has decreased intermediation in business and society, given arrangements across areas (be it farming area or assembling area), re-coordinated firm level conduct, enabling people by giving them more data and is progressively turning into a significant device for public and country advancement through E-administration, E-Banking and E-Commerce programs.

## REFERENCES

- [1]. Annual reports of ten Public sector Banks and three Private sector Banks from 2006 to 2013 published by the Head offices of the respective banks.
- [2]. Altunbas, Y., Evans, L. and Molyneux, P. (2001): 'Bank ownership and Efficiency', *Journal of Money, Credit and Banking*, Vol. 33, No. 4, pp-926-954.

- [3]. Arellano, M. and Bond, S. (1991): 'Some Tests of Specification for Panel Data: Monte Carlo Evidence and an Application to Employment Equations', *The Review of Economic Studies*, Vol.58, No.2, pp.277-297
- [4]. Arize, A. (1990): 'An econometric investigation of export behaviour in seven Asian developing Countries', *Applied Economics*, Vo. 22, No. 7, pp.891-904.
- [5]. Arora, A. and Bagde, S.K. (2010): ' *Human capital and the Indian Software Industry*', NBER Working paper No. 16167, Cambridge.
- [6]. Arun, Shobha and Arun, Thankom. (2002): 'ICTs, gender and development: Women in Software Production in Kerala', *Journal of International Development*, Vol. 14 No.1, pp.39-50.
- [7]. Baltagi, Badi. (2008): '*Econometric Analysis of Panel Data*', John Wiley & Sons, Ltd, Sussex.
- [8]. Banga, R. and Kumar, D. (2011): 'India's Exports of Software Services: Role of External Demand and Productivity', *Science, Technology and Society*, Vol. 16, N0. 3, pp.285-307
- [9]. Barua, A., Kriebel, C. and Mukhopadhyay, T. (1995): 'Information Technology and Business value: An analytic and empirical investigations', *Information Systems Research*, Vol. 6, No. 1, pp.3-23
- [10]. Battese, George. E. and Tim, J. Coelli. (1995): 'A model for Technical Inefficiency Effects in a Stochastic Frontier Production Function for Panel Data', *Empirical Economics*, Vol.20, No.2, pp.325-332.
- [11]. Battese, George. E. and Tim, J. Coelli. (1992): 'Frontier Production Functions, Technical Efficiency and Panel Data: With application to Paddy Farmers in India', *Journal Of Productivity Analysis*, Vol. 3, No. 1, pp.153-169.
- [12]. Bayoumi, T. and Lipworth, G. (1997): '*Japanese Foreign Direct Investments and Regional Trade*', (Working paper No. WP/97/103). Washington, DC: IMF