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“IT AS A PROFESSION”

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1. Abstract

This study aims to determine IT as a profession because of it provides services of exchange and transmit data through computer and its technology. It also work as a teacher because of many things people have learnt through IT like connected with world information, getting employment opportunities and E-commerce facilities etc. It suggests that the recent operation and growth of IT in India. This study proves that IT works as a profession.

Keywords: profession, exchange, transmit, opportunities, E-commerce

2. Introduction

It is the use of computers to store, exchange and transmit data or information. It is an information system and also communication system. In department of IT is included hardware, software and peripheral equipment. According to a 1958 article in the Harvard Business Review, information technology refers to three basic components: computational data processing, decision support, and business software. The period thus marked the beginning of IT as an officially defined area of business; in fact, this article probably picked up the term.

Meaning of IT

IT means the technology is useful for transmitting idea, thought and information in proper way.

Meaning of profession

Profession means the individual group which is the better knowledge and skill with the standard of ethics that is useful for society and country for development.

3. Research methodology

This study includes concept of IT, concept of profession, features of IT as a profession, importance of IT, employment opportunities and contribution for society and

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country to provide services. This study proves that the importance of IT has increased in today's age.

4.Features of IT as a profession

1. Special knowledge and skill

It work as a profession because of it maintains special knowledge of technological assistance and skill to use of it.

2. Remuneration

They provide service to person and get money as a fee. It is necessary feature of profession.

3. Professional body

Professional are regulated by a professional body. It is regulated by the member professional e.g. ICAI

4. Specialized knowledge

Professionals are required the specialized knowledge and training. IT department consists various specific knowledge and training of computer assistance.

5. Freedom of work

Professionals are free to work based on their quality. They provide specific knowledge and get fee for it.

6. Service motive

It provides the service of people and people are taken advantage of skill and knowledge. It means that it does not exploit of people through knowledge and skill.

5.Importance of IT as a profession

1.Helps to improve technical communication

Nowadays, many companies rely on various applications and software to communicate with others. There are several technical aspects that need to be considered before you can choose to communicate with your organization. For example, if you have looking for instant feedback, you should go for phone services as it provided quality sound with consistency and feedback. Other ways of communicating include video conferencing, Skype and instant messaging. Effective communication ensures smooth operation and in

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some cases, even high levels of motivation. The employees of the organization coordinate well and are informed about the work they have to do. Breaking down a communication system can cause many problems for employees, which can be detrimental to the company. So, if you have an issue in the company's communication system, you should prepare yourself with contingency plans and keep it busy.

2.Improves technical efficiency

There is no denying that technology increases a company's efficiency. Advances in the world of robotics and applied science have helping businesses make their customers easier. Moreover, with the emergence of artificial intelligence, companies can now make better use of technology. Implementing technology in the business saves time and effort involved in human labor employment and increases productivity, which is the biggest advantage.

3. Protection against attacks

Attacks Online attacks are growing at an alarming rate, which can be very dangerous for businesses. Therefore, developers are creating cyber security defense systems to protect companies from serious risks. Since this is the age of cloud computing, the threat of cyber attack remains. Therefore, companies require to protect their data by increasing the security of their online accounts, which contain important information and data.

4.Employees need technology to work efficiently

The role of technology in business has expanding at a rapid pace. Employees also expect their supervisor to provide them with the latest equipment so that they can operate efficiently as well as effectively. Moreover, the latest technological devices are enabled employees to successfully complete their tasks with better results and full productivity.

5. Unlimited supply of knowledge

With technology, there is no limit to what you can achieve and accomplish. It provided an infinite supply of knowledge and valuable insights. Doing research is never been easier because you can instantly access websites and find the things you are looking for. Having valuable insights puts you in a better position to deal with your customers. You are well prepared to meet their demands. Other than that, technology helps you keep an eye on

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your competitors. Be aware of their moves and take the necessary precautions to adapt to the latest market trends.

6. Increase employee engagement

Known for keeping technical staff engaged. It allowed them to telecommute to work and encourages them to collaborate with each other to share files and essential information. In addition, it is reduced the level of technical stress. Workload decreases when assigned tasks are completed in a given time. Employees can also enjoy some degree of relief. They can stay connected to the organization through smart phones etc. and perform work related tasks remotely.

7. Explore new markets for growth

With the implementation of the latest technological devices, businesses can explore many new markets to expand their operational activities and profitability. Technological authentic can help with complex calculations and predictions with helpful results in this regard. Authoritative results provide a better picture of management, enabling them to decide whether to proceed with the plan. Moreover, the technology market has moving forward with new gadgets being introduced every other day. Companies can take benefit of this progress by applying related technology gadgets. These gadgets can help them in their operation, which leads to better productivity and growth.

8. Requires technical expansion in business

Through automation and artificial intelligence, technology is become the most crucial factor behind the success of every organization. Although it has a big ticket in terms of money, the value it ultimately offers exceeds the high price. Moreover, the use of the latest technology gives the company a competitive edge, making it a better organization than the rest of the competitors in the market. it improves the overall reputation of the brand and increases its perception among the customers, which is important for expansion.

9. Increases the ability to trade technology

IT enables businesses to reach more customers in less time than usual. This means they will be able to serve more customers than ever before. In addition, companies can easily coordinate with suppliers when supplies have needed to re-establish their inventory. IT

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increases the ability to communicate and store information, which is a big advantage for large corporations.

10. Technology brings crypto currency into existence

Block chain technology has enabled crypto currency to exist. Bit coin is the most popular crypto currency in the digital market. Like the US dollar, crypto currency is a medium of exchange. However, it has digitized and encrypted to control the formation of multiple financial units. This unique technology is enabled businesses around the world to make safe and secure payments with full records. Simply put, a block chain has a digital ledger that maintains a record of all transactions so that you know when and where your money is transferred.

6. Information technology and employment

The contribution of IT in job creation is both direct and indirect. Directly, the growth of computer hardware and software industries is creating new employment opportunities in India. Indirectly, the adoption of computer technology by other industries expands the range of services they provide and can stimulate the rapid development of these sectors. The indirect impact of IT is far greater than the direct impact. In, one estimate is that for every direct job created in the IT industry, at least ten additional IT related jobs are created in other IT-applicable industries. This does not include non-IT jobs created by the development of other sectors of the economy under the stimulus of information technology.

IT is both a labor-intensive and labor-saving technology. As the introduction of automated machines replaces manual labor in factories and fields, it has been once thought that the spread of computer technology would greatly destroy employment. However, two decades of experience are shown that the lattice is indeed the case. Certain types of jobs are created, but overall computerization creates far more jobs than it destroys. The spread of computerization serves as a catalyst for the growth of many types of industries. This is not only true of businesses directly involved in the computer industry, such as research and development, computer education, computer repair and maintenance. In fact, the adaptation of computer technology is given impetus to every sector of the economy. A study conducted by the National Research Council in the USA found that IT has a stimulating impact on the

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development of a wide range of service industries. The fastest growing sectors of the global service economy - education, financial services, insurance and health services - have all expanded to suit IT technologies. IT has significant benefits for employment and skill level. Evidence suggests that IT contributes to the growth of labor demand, as well as improving overall skills in the workplace.

For the purpose of this exercise, the IT sector will be defined in a narrow sense, as it related to occupations that are directly related to the production of computer hardware and software, the training of personnel for the production and operation of computer equipment, the use of computers. Use of computer technology for education and IT-enabled services such as call centers, medical transcription services, etc.

7.Recent IT operations in India

1 In 2020, India's IT industry generated us 7.7 billion in revenue, up from 1 in 1990. Exports increased from 1 million dollars in 1990 to about 1 billion dollars in 1 in. In the field of IT software and services, U.S. The software is expanded almost twice as fast as the software sector, albeit on a smaller scale. No other country has grown more than 100 percent every year in the last ten years. According to mid-2001 estimates, the software industry in India is set to touch 12 billion in revenue by 2002, of which exports could reach 9.9 billion.

The growth of India's IT sector has driven by the global market for software services. The global outsourcing market is worth more than 100 billion. In 2000-01, software exports accounted for 13% of India's total exports. By 2003, India's software exports would account for about 23 per cent of India's total exports. India is already acquired a significant market share in the global customized software development market. In 1991, according to a World Bank study, India's share of the global market was about 11.9%. In 2000, it was 19.5 percent. Last year, 266 out of Fortune 1000 companies met their software requirements in India. India now has more than 1,250 software exporting companies.

Indian IT companies have increased up to 2.3% in 2021 to reach a revenue of \$194 billion, despite a decline in global tech spending.

Despite being head winded in 2020, Indian tech accounted for a relative 8% of national GDP, 52% of services exports, and 50% of total FDI (based on FDI inflows from

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April to September 2020). Despite the recession, the Indian technology industry continues to be a net hire, with a significant focus on digital up skilling. The industry is expected to add a total of more than 188,00 new hires in FY 2020-21. The digital talent pool is expected to cross 1.17 million, an increase of 32% over last year.

8. Projected Growth

In 2020, NASSCOM hired an international consulting firm, McKinsey, to conduct an in-depth study of India's potential in IAS-related industries. McKinsey estimated that India could create an additional 2 million jobs in the sector by 2021 and contribute US to 1 billion to national income. According to a study by McKinsey, direct employment in India's software industry has expected to increase from 180,000 in 2012 to 2.2 million in 2021, and will officially account for 8% of the country's employment.

Figures 1 and 2 present growth of revenue and employment in India's IT industry from 2014-2020

Figure 1: IT software and services industry in India: 2014-20
(US \$ Billion)

year	exports	Domestic	total
2014-15	86	32	118
2015-16	99	34	133
2016-17	108	35	143
2017-18	117	37	154
2018-19	126	41	167
2019-20	136	41	177
2020-21	147	44	191

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Figure 2: Projection of additional employment in IT sector: 2014-2020
(Million)

year	Additional workforce requirements
2014	3.267
2015	3.485
2016	3.690
2017	3.863
2018	3.968
2019	4.008
2020	4.361
2021	4.470

9. Conclusion

IT has provided education, banking, business and communicating facilities with a greater features. IT shares information and skill with minimum value. Recently every person has required to aware of it and their facilities to sustain in market. It also provides employment opportunities and contributes to national economy. Therefore IT works as a profession.

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