

# ROLE OF COMPUTERS AND INFORMATION TECHNOLOGY IN PROPAGATION OF HINDI LANGUAGE

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## Abstract

Computers initially were utilised to solve difficult numerical problems, but gradually computers started to perform much wider and more complicated tasks. They now carryout various services and functions. Computers play a prominent role in most people's personal and professional lives. Computers are used widely in Healthcare, Trade, Science, Government services, Arts, Publishing, Entertainment, Banking and Finance, Communication, Transport, Navigation, Military, Working from Home, Business , Booking for Vacations, Security , Surveillance, Education, Weather Forecasting, marketing and Robotics. There is no field in life where computers are not used. Computers play a very important role in every sphere of human life including propagation of languages.

Information technology (IT) is a powerful tool to connect people. The most important thing in the world is information and it could be utilised for business or even change of regimes in the countries. Computers and Information technology is a powerful tool in teaching and learning of all languages including Hindi. IT has revolutionised Hindi propagation and connected billions of people world over and assisted in propagation of Hindi language as more and more people world over are able to understand and communicate in Hindi.

## 1. Introduction.

Hindi is a wonderful language, easy to learn, speak and write. Computers and information technology are important tools in teaching and learning. Computers, internet and information technology have made the world a global village. Computers and IT are utilised in all spheres of life be it in Healthcare, Trade, Science, Government services, Arts, Publishing, Entertainment, Banking and Finance, Communication, Transport, Navigation, Military, Working from Home, Business , Booking for Vacations, Security , Surveillance, Education, Weather Forecasting, marketing and Robotics.. Computers and information technology is utilised bringing all people of world on a single platform and also assists in propagation of all languages or dialects of world including hindi. In this article we will see importance of Hindi language and role of computers and information technology in propagation of Hindi language.

## 2. Importance of Hindi Language

615 million people across world speak in Hindi and 1117 million people speak in Chinese Mandarin and 1132 million people across globe speak in English. The data shows that Hindi is the 3rd most spoken language of the world after English and Chinese Mandarin.



In terms of difficulty, it ranks as one of the easiest and most logical languages to read, write, and pronounce. Furthermore, Hindi speakers live all over the globe – in Germany, India, Mauritius, Nepal, New Zealand, Singapore, South Africa, Uganda, the United States and Yemen, comprising 366 million speakers worldwide. In addition, Urdu – the official language of Pakistan – can be understood by speakers of Hindi, opening up yet another avenue of opportunity

### **Official language of India**

Article 343 (1) of the Indian constitution states "The official language of the Union shall be Hindi in Devanagari script (but it's not the national language). The form of numerals to be used for the official purposes of the Union shall be the international form of Indian numerals. Hindi is not only official language of India but also official language of its northern states namely Uttar Pradesh, Bihar, Haryana, Madhya Pradesh, Uttarakhand, Chhattisgarh, Rajasthan, Jharkhand and Himachal Pradesh. If you are in these states & unfortunately you don't know English, you can use HINDI. Some states in India have declared Hindi as co-official language

### **Indian Politics**

Coming to politics, the Hindi speaking belt of the country has a lot of importance and forms almost 40% of the parliamentary seats. Given this, there is a lot at stake for political parties and from the point of view of their political interests, it is important to protect and nurture Hindi, as a language.

### **Tourism**

Millions of tourists across the world visit India every year. If the tourists are able to understand Hindi and also converse in Hindi that enhances their understanding of Indian people, culture and history and people. Knowledge of Hindi language enhances their Indian journey interesting, easy and more enjoyable. Search engines like Chrome and GOOGLE do recognize HINDI as the primary Indian language. Nowadays the presence of Hindi on internet is quite obvious. India has a lot of beautiful places and incredible architectural achievements such as the Red Fort, Taj Mahal, Golden Temple, Meenakshi Temple, Konark Temple, Mahabodhi Temple, Trimula devasthanam, the Shore Temple, Kamakhya Temple, the Bridhadishwara Temple and Shri Jagannath Temple Puri which are considered as India's most prized architectural sites. India is a diverse country with high altitude mountains of Himalayas in Kashmir, snow-clad peaks of Arunachal Pradesh, deserts of Rajasthan, Rann of Kutch, Waterfalls of Western Ghats, plains of Ganges and Brahmaputra and coastal areas of Goa, Kerala and Andaman. Tourism in India provides lots of employment and also an economic booster.

### **Bollywood**

Hindi cinema popularly known as Bollywood is quite famous world over. People across nations like to watch Hindi movies and listen to Hindi songs, Hindi songs and lyrics have been adapted by various popular pop and rap artists. Bollywood has the second biggest film following after Hollywood. Indian music is listened across around more than 30 countries in the world.

### **Business**

India is presently the fourth largest economy in the world after the USA, China, and Japan. Economists have predicted that by 2025, India will surpass Japan. India economy has huge growth potential. India is growing in commerce, information technology, science, business, and military equipments, pharmaceutical and other fields. India is growing at a constant rising rate without slowing down and its growth seems unstoppable. Companies that want growth in operational and sales in the South Asia region are mostly carrying out recruitment of people who know Hindi and are familiar with Indian culture. Most global-minded firms are targeting Hindi heartland as they are aware that it's an very important global market segment. People who are fluent in written and spoken Hindi are being preferred by companies targeting south Asian market.

### **Outsourcing of job**

Many Multi National Corporations are outsourcing jobs to India so knowledge of Hindi is very important in order to grab those outsourced jobs.

### **Indian Culture and Hindi**

Learning Hindi will assist in embracing Indian culture with exotic poetry, wisdom, philosophy, and literature and belief system. Hindi has its roots in Sanskrit which is mother of many other languages of the world.

### **Academic Reasons**

Hindi is truly an amazing language to understand and learn. As the demand of Hindi speaking workforce is

increasing there are many countries and agencies which are offering scholarships for learning Hindi. Hindi is being taught in even in countries like United States of America, United Kingdom, Mauritius, Suriname, Nepal, Trinidad and Tobago and South Africa in addition to India

## **1. Computers and information technology**

### **Computers**

A computer is a device that performs processes, calculations and operations based on instructions provided by a software or hardware program. It has the ability to accept data via input mediums, process it, and then produce outputs. Computers have memory which stores data for future utilisation. Present day computers are electronic devices used for a variety of purposes ranging from writing documents, browsing the web, creating applications, editing videos, playing audio visual games. Computers integrate hardware and software components. to provide solution by execution of various programs.

### **Information Technology**

Information Technology refers to all communication technologies, including the computers, software's, internet, cell phones, wireless networks, video-conferencing, other media applications, services and social networking.

### **Importance of Information technology**

Information technology has got very important role in today's world be it business, education, communication, Finance or healthcare.

### **Business**

Computers have changed the way business is done across the world. Computers have made business very easy and transparent by making use of various software's. The functioning of various departments has eased out with the use of computers whether it is human resource management, recruiting, finance or marketing. Nowadays even marketing is being done with the use of computers and information technologies, Growth of businesses have been tremendous with the utilisation of computers and information technology. Now on click of a button you can buy stuff, contact sellers and buyers, make payments, receive payments on line, even get marketing and demand surveys online. Now everything is available on line and you can buy or sell things and material sitting at your home. Companies like Amazon, flip kart, snap deal etc have done wonders using computers and information technology.

The growth of airlines, railways, transport etc too has increased as well as comfort of customer. Now you can book a cab, order a pizza, book an airline ticket, hotel room or even grocery and other household stuff including furniture on the click of a mouse.

### **Academics**

Academics and way of imparting education is changing dramatically with the use of computers and information technology. The effect is evidently seen in the way online teaching and learning is going on for last 15 months especially due to COVID-19. Now you can learn things sitting at your home or in office and also submit assignments as per your comfort. Exams are also being held online which reduces move of teachers and students to educational institutes. This is not only comfortable but also saves on so much money spent of transport, fuel and electricity for classrooms etc. IT can assist in imparting education and knowledge to much more number of students than was not possible with class room teaching.

### **Finance**

Information technology, computers and internet has changed the way finance keeping was done traditionally. Now everything is being done with the use of computers. No need of Hugh accounts books, real time receipt and payments, online banking; online payments have changed the finance. now its much more easier, comfortable and transparent.

### **Healthcare**

With improved internet speeds availability of computers, laptops, smart mobile phones with both doctors and patients now a doctor can see a patient and advise medication on-line which will cut costs and save time.

### **Security**

Information Technology has enhanced security systems also with the assistance of interlinking cameras and live streaming of covered areas.

## **2. Role of computers and IT in propagation of Hindi language**

Computers and Information technology plays a very important and significant role in education and propagation of languages. Hindi is spoken by over 615 million people and is at present third most spoken language in the world. Computers and information technology have played a vital role in propagation of Hindi world over. It's because of computers and information technology that Hindi which was spoken by 350 million people a decade back is being spoken by 615 million people today. Information and communication technology uses information and communication technology to support, enhance and optimise delivery of information in Hindi.

### **Developing Businesses**

With increase in business opportunities in India being a Huge market with more than 50 percent being Hindi speaking people, it is very important for multinational firms to have trained manpower fluent or at least understanding Hindi in order to get their share in the market. Computer and IT have played a prominent role in propagation of Hindi for development of businesses.

### **Healthcare**

With millions of Hindi speaking people living in rural areas, there is need to assist them healthcare. IT and computers have assisted in propagation of Hindi through internet, You Tube, Medicare apps etc so that Hindi speaking people are able to understand stuff in their language. In order to do those doctors also have to learn hindi as well as e-commerce staff leading to propagation of India by computers and information technology.

### **Tourism and Travel**

India is a vast country with varied culture and languages. It is a preferred tourist destination for millions of traveller's world over. In order to travel in India, foreigners should be more aware about Indian languages which they learn using Information technology and computers. Thus Computers and IT is assisting in propagation of Hindi.

### **Bollywood**

Hindi songs and movies are liked a lot world over. In order to enjoy bollywood music and movies understanding Hindi is must. People learn Hindi using online classes or Hindi tutorials. Thus computers and Information technology assist in promulgation and propagation of Hindi.

### **Research**

Any original idea comes to a person in his or her own mother tongue. Researches in Japan, France etc have been conducted in Japanese, French etc whereas English is preferred language in India. There are so many bright students who come from rural backgrounds and they could not implement ideas or carry out original research as they are not comfortable with English language. Professors and students of some of the IITs thought on those lines and promulgated that research should be done in Hindi or their local language. That was the stepping stone for expansion of Hindi. Programming for Hindi language in premier institutes, key boards for Hindi, assistance by government of India assisted Hindi language in its propagation. Research in Hindi assisted in promulgation and propagation of Hindi language across globe with the help of computers and information technology.

### **Information exchange in Hindi**

In the present era one person sitting in India can see and speak to other person sitting in United States of America or France. Hindi is the best medium for exchange of information amongst Hindi speaking people and also between people and government of India or other Indian Hindi speaking states, Information exchange should only happen in Hindi as it will be easy for common man understanding and also propagate Hindi language across globe. Hindi pakhwaras are being made compulsory in government departments but their frequencies needs to be increased. Intact there should be at least 50 percent official work in Hindi on regular basis.

## **3. Conclusion**

Any person can think naturally in his or her own language. Hindi is mother tongue of over 50 percent Indian population and over 615 million people speak Hindi in various countries world over. India is a vast economy with tremendous business opportunities. Hindi speaking people are excellent in academics and they do even better if given opportunity to study in Hindi. If you want a country to grow than its language should grow and propagate to have influence over vast areas. Computers and information technology have made the world a global village and changed the way of business, economy, communication etc. Hindi is growing at a very fast pace due to growth of Hindi speaking population, migration of Hindi speaking population world over, growing Indian market, job outsourcing by multinational firms in India, tourism and travel opportunities in India etc. Computers and Information technology have played a very significant and pivotal role in propagation of Hindi. Government policies have also played a important

role in propagation of Hindi as many scholarships are given to foreign students for learning Hindi and Hindi is being propagated in foreign academic institutions by providing study material and teaching staff by government of India, Computers and Information technology assisted in Hindi propagation by means online tutorials, availability of Hindi key boards, development of Hindi software's by universities and Indian IT professionals. The growth must continue and if due focus is continued than day is not far when Hindi will be most spoken and utilised language in the world.

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