

## Computer: It's Utility in Human Development

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### ABSTRACT

The development of the human being is based on the personal growth of the individuals. Now the computers have changed the world drastically in different aspects of life and environment. This new technology is now not so new and emerging as fulfilling the basic needs of life. Computer operating systems are operating the life from every dimension. This computing environment is used to access global data. There are directory services for any resources files, devices etc. It has internal communication system that provides security and makes it personal. Computer has made the life easier in every field and thus has proved as a land mark in development. People are capable of doing their jobs effectively, as being literate, healthy and confident. They are enjoying valuable things in life and doing well for their development as they are linked together that is possible with the computer.

**Keywords:** MIS, computer based instructions, health, education, entertainment.

### I. INTRODUCTION

The most assisting device in the development of human being is totally based on entire development related to his health, livelihood and education. The development of the individuals on these aspects, leads to the entire development of the society. Thus the objective of the human development is to create an environment that is proper in all the sense of caring. The first and foremost thing comes is good health, that is the basic need to fulfill. The concept of health comprises of well nutrition, medical facilities, and hygiene. That is based on living style and system of the people. Education is also the most important thing for the development from all the aspects of the complete system. Now the countries under development are also following the right directions regarding these concepts of development. Press Information Bureau Ministry of Finance of Government of India, has given the report that shows the positive growth of economic development that the economic recovery resumes. The people residing in rural areas are

also getting better settlement systems. The ratio of death due to hunger, or diseases, has decreased. The abnormal child birth that are in need of surgery for a normal expected life are getting surgery facilities and funds from the governments, private sectors, and from the public with human kindness as per the situations. The people in the world are mostly connected together with several means in this globalised field of linking that is helping in making the further developments is computer. Individual or group communication is done for smooth working. The interaction is very unique and done transparently as in the computer operation "The most elementary form of message based interaction is one-to-one communication in which a single process sends a message to a single receiving process. However, for better performance and flexibility, several distributed systems provide group communication facilities that may allow one-to-many, many-to-one, and many-to-many types of interactions between the senders and receivers. Some issues related to group communication are group management, group addressing, atomicity, and ordered message delivery."<sup>1</sup> The computer has been also referred as artificial intelligence as the soft computing is working as the neuron of human mind work and store data. It has developed the world as it is now common and accessible even to the rural societies of any country. In India it has taken its place as an inevitable part of life.

### II. COMPUTER: THE BASIC OF MIS

In any country in an organization management information system is the most important part. The system makes the people aware of the important things. The government also has and works on information system that is playing vital role in providing information to the public so that they are able to use their rights according to their constitution. Computer is the part and parcel of management information system. Human development is possible only when the public and government are well informed and the development programs work together as per the need of the country. This is possible when the public is aware and having

facilities of gaining information and is provided computer system for their access.

The past two decades have undergone radical changes in the world. The information technology has enabled people to get information from every sector. The people from poor class to the higher one are using and taking education of it to be up-to-date with the scenario. "Several years ago the consulting firm of Booz, Allen, and Hamilton conducted a comprehensive study surrounding computer usage and concluded that modern-generation equipment was being used for first-generation systems design. At about the same time another respected consulting organization McKinsey & Company concluded that "In terms of technical achievement, the computer revolution in the U.S. has been outrunning all expectations. In terms of economic payoff on new applications, it has rapidly lost momentum".<sup>2</sup>

The above mentioned conclusions reflect that computers were used mostly as an instrument or machine but now their applications regarding their software are taking vast dimension as artificial intelligence or brain ware. It has become the central element in any information system that work for the human development. The operations of development may be personal but it matters as the personal growth is basic thing for the complete development of the society. "MIS is not new; only its computerization is new. Before computers, MIS techniques existed to supply managers with the information that would permit them to plan and control operations. The has added one or more dimensions, such as speed, accuracy, and increased volumes of data, that permit the consideration of more alternatives in a decision."<sup>3</sup>

### III. COMMUNICATION WITHOUT LANGUAGE BARRIER

Now the world is getting connected even when the people don't understand other language. Computer can translate text of any language between more than 64 languages using Google Translate for Android. So many languages can be heard after the speaking of any language into another language.

With Google Translate we can:

- Translate text between 64 languages
- Translate by speaking the text instead of typing it (17 languages)
- Listen to your translations spoken aloud (40 languages)

- Communicate with another person using speech-to-speech translation in Conversation Mode (ALPHA, 14 languages)
- Display translations in full screen mode to make it easier for others nearby to read
- Star your favorite translations for quick access even when you're offline
- Access your translation history even when you're offline
- Spell out the translation of non-Latin script languages (e.g. Chinese, Japanese, etc..) in Latin characters to read it phonetically (e.g. Pinyin, Romaji)
- View additional dictionary results for single words or short phrases
- Push the handwriting button and simply write what you want to translate

Translations between the following languages are supported:

Afrikaans, Albanian, Arabic, Armenian, Azerbaijani, Basque, Belarusian, Bengali, Bulgarian, Catalan, Chinese (Simplified), Chinese (Traditional), Croatian, Czech, Danish, Dutch, English, Esperanto, Estonian, Filipino, Finnish, French, Galician, Georgian, German, Greek, Gujarati, Haitian Creole, Hebrew, Hindi, Hungarian, Icelandic, Indonesian, Irish, Italian, Japanese, Kannada, Korean, Latin, Latvian, Lithuanian, Macedonian, Malay, Maltese, Norwegian, Persian, Polish, Portuguese, Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swahili, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Urdu, Vietnamese, Welsh, Yiddish. (Source-Google Translate).

### IV. MEDICAL FIELD AND COMPUTER

Computer has vital role in medical field also. It has become very essential commodity in every hospital. Computer has become inevitable part in curing major deceases to save the life and is assisting major operations as open heart surgeries, X-rays, CT scan, USG, and various clinical tests. It is very convenient for the surgeries to get easily comfortable for the patients as laparoscopic surgeries are possible because of computers where doctors insert the medical tools and small camera and conduct an operation with the help of computers and monitors. It is very advantageous to maintain records and to carry out everything efficiently and effectively by the computers. The critical patient's conditions, whose heart rates, pulse rates, and brain readings, etc., need to be recorded and to be monitored continuously, are observed through computers. The movements of the

internal organs are noted down by the computer. The use of computers in medicine has grown so much that many patients who need to be provided with life support system are also governed by the special computerized system only. This is the further development of the human related to health conditions. Office records are kept and maintained in it to save the time it is very important in the development of this field as a patient can get all the information through computer to get the medical information about the hospitals and respective doctors and facilities. Medical history is also kept in it that is helpful in diagnosis of major problems. Computers also have the record of all the medicines and new researches in this field. People may have better options of soon recovery. Various medical research studies can be done with the help of computers and the related information can be referred. During the surgery the process is recorded to avoid complications and further researches, thus it is useful now in teaching the juniors to learn the surgeries by looking practically on the screen outside the operation theatre. They may take guidance via web conferencing. Now the hospitals are well equipped with computers and it is very helpful for the development as good health can do any wonder in any field. The doctors of the whole world are connected with each other and learning new inventions and ways of the diagnosis of major and new health problems. The development in health sector is possible with the use of the computers and we are just doing possible the impossible things.

## V. COMPUTER IS INEVITABLE IN EDUCATION

Computer assisted learning programs and teaching has been proved milestones in the field of education. As for as teaching with computers are concerned, computers have been proved as excellent teachers. They can store the knowledge given to them by the experts and can be used for teaching excellently. The programs can be repeated at any time and at any hour without exertions. Language Labs are also very useful in this respect. Software for different faculties may be used for practical learning. Multi- media software like 'k-van' are used in teaching communication skills. They can teach students different important aspects like grooming their personality and learning communication skills for better life. The common tools like Computer Aided Learning (CAL) and Computer based Instructions (CBI) are used for teaching. Computer based encyclopedia such as

Britannica provides enormous amount of information on any topic.

## VI. INTENSIVE USE IN BANKS/FINANCE SECTOR

Computers have been very important in finance sectors also. Banks and other finance sectors also have started using computers extensively. In the finance institutes terminals are provided in the branch and the main computers are located centrally. This enables the branches to use the central computer system for information on things such as deposits, current balance, loan repayment, interest charges, overdrafts, etc. MICR encoded cheques can be read and sorted out with a speed of 3000 cheques per minute by computers as compared to hours taken by manual sorting. A person can transfer funds through Electronic funds transfer (EFT) very quickly and accurately.

As for as the developing countries concerned, are facing strong economic headwinds. The World Bank Group supported an estimated 884 operations to promote opportunity and get needed services to the poor, by improving education and health services, promoting the private sector, building infrastructure, and strengthening governance and institutions this is due to the new computation technology.

“The World Bank Group institutions contributing to this financial outcome are: the International Bank for Reconstruction and Development (IBRD), which provides financing, risk management products, and other financial services to members; the International Development Association (IDA), which provides interest-free loans “and grants to the poorest countries; the International Finance Corporation (IFC),” which makes equity investments, and provides loans, guarantees and advisory services to private-sector business in developing countries; and the Bank Group’s political risk insurance agency, the Multilateral Investment Guarantee Agency (MIG)”(source-<http://www.worldbank.org/en/news/2012/06/29>)

## VII. IMMENSE USE IN INDUSTRY

For the development of industries as they are one important aspect in economy system of any country computers are used. Computers are immensely used in factories and industries of all kinds. The complex and difficult jobs like welding to highly complex jobs can be controlled through computers. Drills, saws and entire

assembly lines can be computerized. Besides, quality control tests and the manufacturing of products, requiring a lot of refinement, are done with the help of computers. Due to lack of time and major jobs and projects, different chemical industries and Thermal Power Plants, and Oil refineries completely depend on computerized control systems. It is also that in big industries the lag between two major events may be just a fraction of a second and it is only computers that we can control everything.

### **VIII. COMPUTER TECHNOLOGY IN TRANSPORTATION**

Computers have made the travel easy as regard to transportation. People are able to reach anywhere and anytime as they can get information easily available on wave sites. People can get reservation in train and planes online. Now it is possible for planes to land in foggy and stormy atmosphere also. The aircraft has a variety of sensors, which measure the plane's altitude, position, speed, height and direction and that information help in keeping the plane flying in the right direction. the work of pilot has become much easy with the Auto-pilot feature. We are reaching to space for further researches and in this great task to win the universe and to explore the unknown computers are the milestones.

### **IX. NETWORKING IN TOURISM**

People from any part of the world can find information related to research tours or just for excursion. Hotels are necessary for the tourists; they also use computers to speed up billing and checkout the availability of rooms. So is the case with railways and airline reservations for booking tickets. Architects can display their scale models on a computer and study them from various angles and perspectives. Structural problems can now be solved quickly and accurately.

### **X. IN ENTERTAINMENT**

Computers are also great entertainers. One can get stress free with computers by playing games, reading books, and other chatting activities. For the development of a person it is very important to give one's mind relaxations for some time. Many computer games are available which are like the traditional games like chess, football, cricket, etc. Dungeons and dragons provide the opportunity to test our memory and thinking ability. Other games like Braino Volcano test, Millionaire, test our knowledge and reasoning capability.

### **XI. CONCLUSION**

In the present scenario the computers have become part of our life. For human development from every perspective the world is using computers. They have their application or utility everywhere. We find their applications in almost every sphere of life—particularly in fields where computations are required to be done at a very fast speed and where data is so complicated and difficult for the human brain to cope up with. No one has to bother about the manual records as the computer makes the data up-to-date and we don't have to lag behind the time for handling the major projects or operations. It is making the human development in true sense.

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