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ESSAY ON:

one scientific discovery that

changed humanity.....

..... i.e. Computers.....

Science and technology has a major role to play in modern life of mankind. It has shown miracles in the world from the days of communications with pigeons, the time has ripen where the information floats. Scientists and technologists have made many achievements in recent past. We have developed methods of communication, calculation, transportation and other domestic appliances. Among all these achievements computer has its own place. The invention of the computer is the result of constant and laborious efforts of the scientists and all this credit goes to Charles Babbage. The first automatic electronic computer was made in Pennsylvania in 1946 and known as ENIAC (Electronic Numerical Integrator and Calculator). Since then it has changed the pattern of doing work easily and quickly. It has also revolutionized the whole world. The computers vary tremendously in size, from laptop and desktop models to huge machines occupying an entire room or even more, but they all contain the same components.

which came under the heading of hardware & software. Hardware is the term given to all the machines that make up a computer and the collection of machines is called a computer configuration. Software refers to the programmes that instruct the machine.

There are two basic types of computers - digital and analog. Both types are highly complex systems of electrical circuits to carry out complicated calculations or to solve difficult problems. The hybrid is a 3rd type which consists of a combination of other two. The digital computer is basically a counting machine. A small digital computer is able to multiply, divide, subtract and add, all at high speed, which are electrically powered and operated by hand like typewriters.

Today the computer permeates the whole world of work, in homes, in factories, in schools, in hospitals, in offices, in hotels, etc. because it is an enormously flexible tool that can be used in a wide variety of ways, depending on needs and available resources. Therefore, familiarity with the computer is considered a strong vocational advantage and saleable skill.

The computers are here to stay in modern world and the more we understand them, the better will be the days ahead of us. For with their help and one's skills, the present can be utilised to predict what is sure to come & be well prepared to meet the challenge. Computers are being used to locate and investigate

accurately and precisely abnormalities and diseases. Business transactions and high volume of associated data are easily managed by using computers.

Computer is the backbone of information technology whose major application lies in internet. Internet has some very useful applications in our day to day life. The interconnection of computers worldwide, i.e., the internet, is revolutionizing the concept and the conduct of business. One can have easy access to information via internet. It is an ocean of knowledge for the students like us. It is a huge library. The internet helps the students to study for the examinations. Students pursuing courses through distance education mode can study the subject online. The internet is the fastest and cheapest way to take admission in a foreign institution, collect geographical information of any region, chat with anybody in any corner of the world or search for life partner of one's choice.

A very important indicator is the no. of businessmen jumping on to internet related business. The computer has proved as a friend and servant to science, technology and industry. The computer also has its negative side. The rise of cyber crime, the use of chat rooms for indecent discussion, certain websites, which deal in pornographic material have been noticed. But the advantages and importance outweigh the disadvantages.

Through computerization, the world has become a global village today. All the big and developed countries use computer to solve their climatic, industrial and commercial problems. Many countries control the traffic with the help of computers. Today even class room teaching is being done through computers in many schools.

Thus according to my knowledge, computer is one of most important scientific which shaped humanity.