

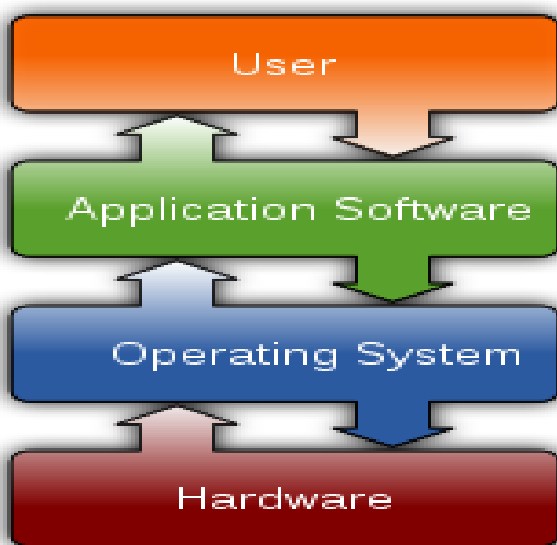
COMPUTER TECHNOLOGY

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ABSTRACT: *The present work is aimed to study the design and construction of computers to better help people at work, school, home, etc. To study the computer technologies programmes which are designed to train students within the theoretical and practical aspects of software through a balanced hardware, software, plus systems curriculum.*

I. INTRODUCTION



Computer technology is that which builds a logical or virtual machine instead of building a physical machine for each application.

The logical machine can be put to any specific problem.

The software in logical machine implements each specific problem, hence it is most important element of this technology. It rather than building expensive special-purpose hardware enables mass production of cheap mass-produced physical machines, even without the replacement of original physical machine it can be modified with new features over time only by changing the logical machine which is cheap as well.

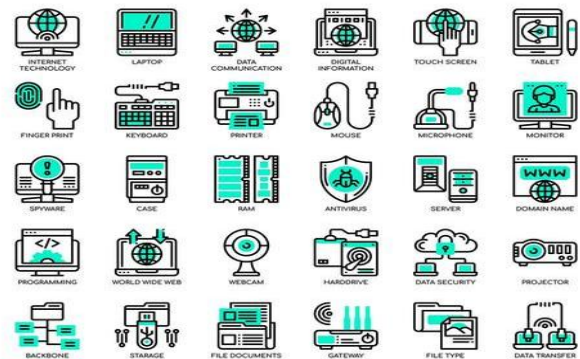
The important thing that all machines can be translated into other machines so a software allows translation of high-level languages which express problem domains to machine-oriented executable programs

Effective and efficient implementation of such ideas is the computer technology.

II. EVOLUTION IN COMPUTER TECHNOLOGY

In this technology the hardware of computers and computer-controlled devices are combined with software operating systems, authoring tools etc. to support training technology. Computer technology directly correlates with information

technology. It is also a very popular degree program offered by many colleges; Its focus is on learning current operating systems, hardware/software training and computer repair.



In 1946 the first major development in computer technology was made, with a vacuum tube-based computer model that was produced to aid in military efforts. Since then the invention of computers and the internet, technology including operating systems, platforms etc. has rapidly advanced. From laptops to netbooks to smartphones, e-readers and tablets etc. the options are endless and mounting. Mobile computing is used in every aspect of life nowadays by people, whether it is to send a quick email, upload and share photos or read entire books and so on. Computers no longer exclusively belong to a few select businesses, rather it is easily accessible to every person, young or old.



Computer technology is advancing at a rapid rate, causing the diversity and availability of assistive technology computer resources.

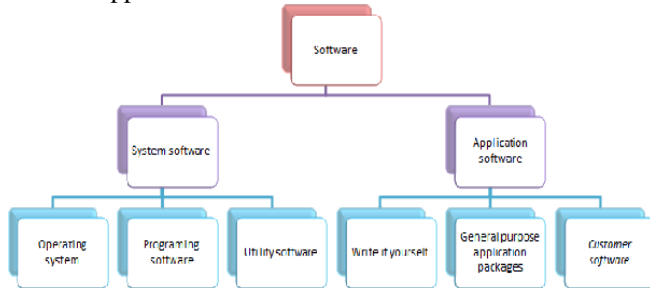
Computer software

Software is a program that enables a computer to perform a specific task.

This includes application software such as a word processor etc. to enable a user to perform a task, and system software such as an operating system etc. to enable other software to run properly.

Practical computer systems divide software into three major classes:

- system software
- programming software
- application software



Computers operate by executing the computer program. It involves passing instructions from the application software, through the system software, to the hardware which then receives the instruction as machine code to be implemented. An operation to be carried out in computer is caused by these instructions.

Computer Science Jobs

The computer technology provides us many types of employment fields as well:

- Software Developer.
- Database Administrator.
- Computer Hardware Engineer.
- Computer Systems Analyst.
- Computer Network Architect.
- Web Developer.
- Information Security Analyst.
- Computer and Information Research Scientists.

APPLICATIONS

- Computer Technology in Food
- Computer Technology in Services
- Computer Technology in Entertainment
- Computer Technology in Communication
- Computer Technology in Education
- Computer Technology in Transportation



IV. CONCLUSION

Computer technology is a vast topic, it keep on growing day by day , new modifications, researches they keep the field in a pace. It has various divisions or sub divisions which are hard to be explained all at once.

Well there is a lot but the technology which is less known

and more needed in market is cloud computing, machine learning and artificial intelligence. It would rather be unfair to not mention internet of things because it might not be that much needed according to present appliances but it is the future where everything will be connect to cloud from our homes to our vehicles

So new technologies which are going to be in demand in future are:

- Cloud Computing
- Machine/deep learning
- Internet of things
- Artificial intelligence

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REFERENCES

- [1] Lavington, Simon (1998). A History of Manchester Computers (2 ed.). Swindon: The British Computer Society. .
- [2] Light, Jennifer S. (1999). "When Computers Were Women". Technology and Culture. 40 (3): 455–483. .
- [3] Stokes, Jon (2007). Inside the Machine: An Illustrated Introduction to Microprocessors and Computer Architecture. San Francisco: No Starch Press
- [4] Zuse, Konrad (1993). The Computer – My life. Berlin: Pringler-Verlag
- [5] Miller, Joe (10 November 2014). "The woman who cracked Enigma cyphers". BBC News. Retrieved 14 October 2018.
- [6] ^ Bearne, Suzanne (24 July 2018). "Meet the female codebreakers of Bletchley Park". The Guardian. Retrieved 14 October 2018.
- [7] ^ Bletchley's code-cracking Colossus, BBC News, 2 February 2010, retrieved 19 October 2012
- [8] ^ "Colossus – The Rebuild Story". The National Museum of Computing. Archived from the original on 18 April 2015. Retrieved 7 January 2014.