




AIMS & OBJECTIVES OF TEACHING COMPUTER SCIENCE



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INTRODUCTION

- ✓ Computer technology is used in almost every sector of everything life in business, laboratory, educational institution, research, etc.,.
 - ✓ Today everything related to everything life can be done using computer
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MEANING

- ✓ In The Beginning Compute Was able to perform only mathematical calculation.
- ✓ But, now a days., do variety of task.
- ✓ Computer science is the scientific and practical approach to computation and pits applications.
- ✓ Computer science field can be divide into a variety of theoretical and Practical disciplines.
- ✓ It relationship with mathematics then many scientific disciplines.




NATURE

- ✓ Access To Expert And Respected Peers
 - ✓ One to one and much communication.
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SCOPE IN COMPUTER SCIENCE FIELD

- ✓ **Software developers:** Concerned with facets of the software development process
 - ✓ **Hardware engineers:** To research design, develop, test and oversee the installation of computer hardware.
 - ✓ **System design:** System designing logical and physical designing
 - ✓ Logical designing can be enumerated as the structure such characteristics output, input, files etc.,.
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Contd....

- ✓ **System analyst:** Do research about the existing problem and plan solution of the problem.
 - ✓ **Networking engineers:** It designing, implementation, and troubleshooting of computer networking
 - ✓ **DBA(data base administrator):** The job to design implement , maintain and repair an organization's database.
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SCOPE OF OTHER FIELD USING COMPUTER SCIENCE

- ✓ **Routine job handing:** stenotype job are calculating and formality bits, salaries, updating stocks, tax return and information.
 - ✓ **Traffic control:** control traffic and traffic light
 - ✓ It is used maintain traffic light routine
 - ✓ **Electronic money:** ATM (automatic teller machine)
 - ✓ Very common in bank
 - ✓ Withdraw money with the ATM
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Contd...

- ✓ **Electronic office:** All type information are stored
- ✓ A document is sent to different place with FAX, internet and e-mail
- ✓ Industrial application
- ✓ It is plays an important role in production control
- ✓ **Telephones:** It is through satellite STD and IST service have been introduced

Contd...


- ✓ **Trade:** Every type of trade computer is used successfully.
- ✓ It is used Bank, stock exchanges to control stock and account
- ✓ **Scientific research:** A long data is analyzed very quickly.
- ✓ **Medicine:** The proper and accurate diagnosis is done with the help of computer
- ✓ E.g.: ECG, CAT, Scan, ultra sound

Contd...

- ✓ **Space science:** It is satellite controlling the space with the help of computer
- ✓ **Defence:** Missiles, weapons, communication employees control system
- ✓ **Communications:** It is used for sending message
- ✓ E.g.: printer, FAX, e-mail, internet
- ✓ **Film industry:** The cartoon file are developed by computer
- ✓ The film production with help of computer




Contd...

- ✓ **Education:** The computer is widely used in the field of education and independent of computer science has developed which is popular these days.
 - ✓ The distance education is using computer for instruction purpose
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AIM

- ✓ AIMS education are based on philosophical and socio-psychological society and culture
 - ✓ AIMS OF TEACHING COMPUTER SCIENCE IN SCHOOL
 - ✓ Develop computer science related attitudes
 - ✓ The skill problem solving
 - ✓ Information and skills are immediately used and applied
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OBJECTIVE

- ✓ A point or an end-view of something toward which action is directed
- ✓ OBJECTIVE OF TEACHING COMPUTER SCIENCE IN SCHOOL
- ✓ Successful professionals
- ✓ Broad knowledge
- ✓ Thinking independently, acquire knowledge and continue their development
- ✓ Implementation, analysis and evaluation based system
- ✓ Communication effectively both oral and writing
- ✓ Associated with the computing field



DIFFERENCE BETWEEN AIMS & OBJECTIVES

AIMS

- ✓ Aims are long term goals
- ✓ Aims are broad and common
- ✓ They are difficult to achieve
- ✓ These can't be evaluated
- ✓ School, society and nation is responsible to achieve them
- ✓ Aims are non-observable

OBJECTIVE

- ✓ Objectives are short term goals
- ✓ Objective are narrow and specific
- ✓ They can be achieved conveniently
- ✓ They can be evaluated
- ✓ Generally teacher is only responsible
- ✓ Objectives are observable behaviours

NEEDS AND SIGNIFICATION OF TEACHING COMPUTER SCIENCE


NEEDS OF TEACHING COMPUTER SCIENCE:

- ✓ Computer science knowledge is very important for other subject
- ✓ Computer science is hall mark of human civilization
- ✓ To know the world around us
- ✓ To develop skill in the use of network, internet social media
- ✓ To understand the natural phenomenon clearly
- ✓ To find the alternative methods solving problem



Contd...

SIGNIFICATICE OF TEACHING COMPUTER SCIENCE:

- ✓ Modernizing education
 - ✓ Improving student performance
 - ✓ Learning job skills
 - ✓ Efficiency
 - ✓ Research
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VALUE OF TEACHING COMPUTER SCIENCE:


- ✓ The real value of teaching computer science in our modern world can be quite obvious from chief value
- ✓ **Practical value:** The study of computer science in modern life has revolutionized our life
- ✓ Transportation and communication have shortened
- ✓ **Social value:** Computer have achieved the best place in the society as well
- ✓ The develop in honesty truthfulness and objective thinking

Contd...

- ✓ **Disciplinary value:** It self expression, creativeness, open mindedness, critical thinking
- ✓ The good habit of once developed in a child can prove beneficial for later life
- ✓ **Cultural value:** The role of computer in the development modern civilization
- ✓ It can be obvious just by over comparison with our ancestors
- ✓ Cultural development and role of computer in this field for removing old traditional



CONCLUSION

- ✓ The Computer Is Widely Used In The Field Of Education.
 - ✓ Computer Science Developed Very Popular These Days
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Thank You