



"बेटी बचाओ, बेटी पढ़ाओ"

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR

Faculty of Education and Methodology (CS)

Faculty Name- JV'n Gangacharan Pal (Assistant Professor)

Program- B.Tech. 1st Semester / 1 Year

Course Name – Fundamentals of Computer

Session No. & Name - 1.6 Applications of Computer in different Fields

Academic Day starts with –

- Greeting with saying '**Namaste**' by joining Hands together following by 2-3 Minutes Happy session, Celebrating birthday of any student of respective class and **National Anthem**.

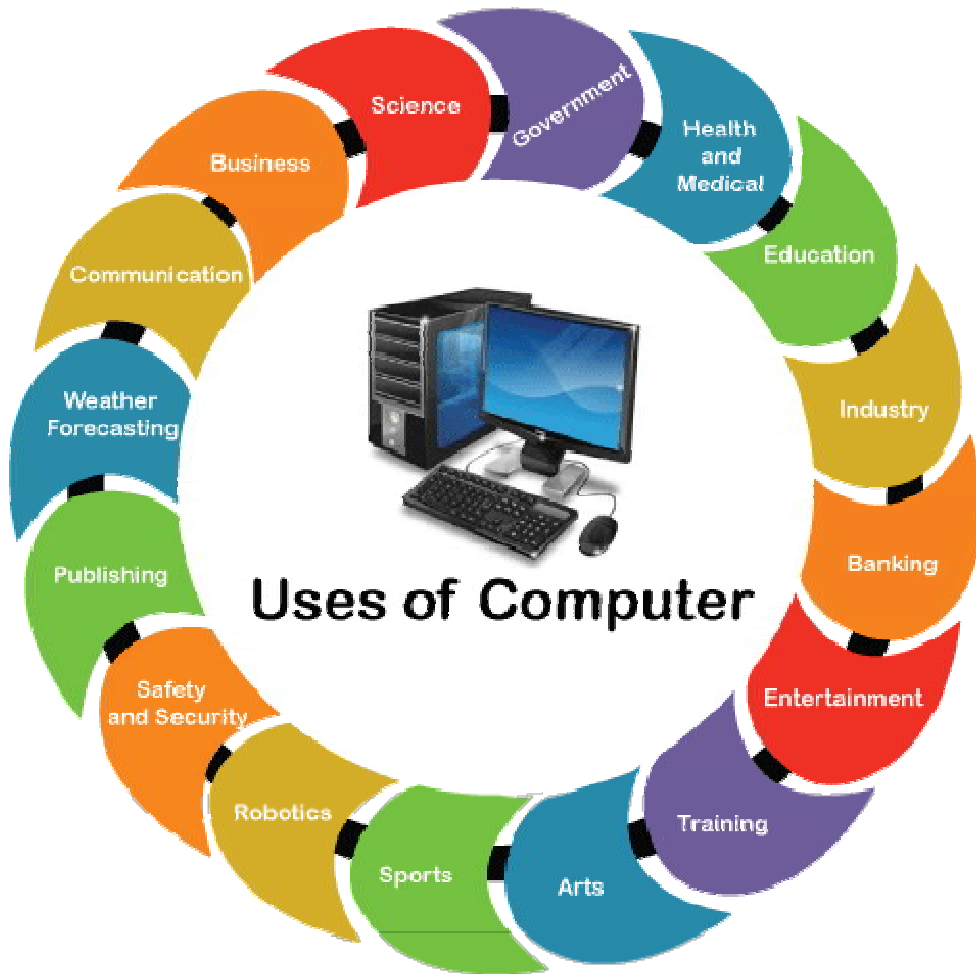
National song' Vande Mataram'

Applications of Computer in different Fields

Computers play a role in every field of life. They are used in homes, business, educational institutions, research organizations, medical field, government offices, entertainment, etc.

1. Education

Computers are used in education sector through online classes, online examinations, referring e-books, online tutoring, etc. They help in increased use of audio-visual aids in the education field.



2. Government

In government sectors, computers are used in data processing, maintaining a database of citizens and supporting a paperless environment. The country's defense organizations have greatly benefitted from computers in their use for missile development, satellites, rocket launches, etc.

3. Banking

In the banking sector, computers are used to store details of customers and conduct transactions, such as withdrawal and deposit of money through ATMs. Banks have reduced manual errors and expenses to a great extent through extensive use of computers.

4. Business

Nowadays, computers are totally integrated into business. The main objective of business is transaction processing, which involves transactions with suppliers, employees or customers. Computers can make these transactions easy and accurate. People can analyze investments, sales, expenses, markets and other aspects of business using computers.

5. Training

Many organizations use computer-based training to train their employees, to save money and improve performance. Video conferencing through computers allows saving of time and travelling costs by being able to connect people in various locations.

6. Arts

Computers are extensively used in dance, photography, arts and culture. The fluid movement of dance can be shown live via animation. Photos can be digitized using computers.

7. Science and Engineering

Computers with high performance are used to stimulate dynamic process in Science and Engineering. Supercomputers have numerous applications in area of Research and Development (R&D). Topographic images can be created through computers. Scientists use computers to plot and analyze data to have a better understanding of earthquakes.

8. Communication

Computer communications are any processes that allow you to communicate which feature a computer or computer program. The computer does this by sending data to one or more other computers, who decode the message and allow the recipient to send a message back.

9. Hospital

In hospitals, computers are utilized to detect illnesses and analyze the human body's interior organs. Computers are used to perform CAT scans, imaging, ultrasound, surgery, post-operative care, and eye diagnostics. They are also used to preserve patient data, track development, and locate treatments.

10. Security and Surveillance

A surveillance program installed on a computer can search the contents of the hard drive for suspicious data, can monitor computer use, collect passwords, and/or report back activities in real-time to its operator through the Internet connection. A keylogger is an example of this type of program.