

**NAME : AHONGSHANGBAM  
SANDHIYA DEVI**

**M.U. ROLL NO. : 23213587  
ABC ID: 528-795-138-895**

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# **Computer and its role in education**

Computers have transformed education by making learning more efficient, interactive, and accessible. From digital classrooms to online resources, they play a crucial role in modern education. Below are the key ways computers enhance learning:

## **1. Access to Information**

- Provide instant access to e-books, research papers, and educational videos.
- Search engines and digital libraries simplify information retrieval.

## **2. Interactive Learning**

- Multimedia tools (animations, simulations) make complex topics easier to understand.
- Virtual labs enable science experiments without physical equipment.

## **3. Personalized Education**

- AI-driven software customizes lessons based on student progress.
- Online platforms allow self-paced learning for different skill levels.

## **4. Enhanced Teaching Tools**

- Digital presentations (PPT, videos) make lessons more engaging.
- Automated grading systems reduce teachers' workload.

## **5. Distance & Remote Learning**

- Learning Management Systems (LMS) like Google Classroom support online education.
- Enables learning for students in remote or underserved areas.

## 6. Skill Development

- Teaches programming, digital literacy, and technical skills.
- Prepares students for future careers in technology.

## 7. Collaboration & Communication

- Online forums and video calls connect students and teachers worldwide.
- Cloud-based tools (Google Docs) facilitate group projects.

## 8. Efficient Administration

- Schools use computers for attendance, records, and scheduling.
- Reduces paperwork and improves efficiency.

## 9. Inclusive Education

- Assistive technologies (screen readers, speech-to-text) support students with disabilities.
- Ensures equal learning opportunities for all.

## 10. Future-Ready Learning

- Introduces AI, VR, and coding in education.
- Prepares students for a technology-driven world.

## Conclusion

Computers have become an essential part of education, making learning more dynamic, accessible, and effective. They bridge gaps between traditional and modern teaching methods, ensuring a better future for students.

[Reference: Modified from google and chatgpt]