

# O/L ICT

---

**Introduction To ICT**



**AIS Learning**  
Empowered  
your future



# What is ICT?

*Information and Communication Technology (ICT) refers to the use of technology to manage, process, and communicate information.*

*It encompasses a wide range of technologies and tools that facilitate the acquisition, storage, processing, and dissemination of information.*





# Components of ICT

---

- ✓ **Hardware:** Physical devices such as computers, smartphones, servers, and networking equipment.
- ✓ **Software:** Programs and applications that run on hardware, including operating systems, word processors, and databases.
- ✓ **Networks:** Communication infrastructure that connects devices and enables data exchange.
- ✓ **Data:** Piece of Information in various forms, including text, images, audio, and video.



# Importance of ICT



**Communication:** ICT facilitates instant communication and collaboration globally through tools like emails, video conferencing, and messaging apps.



**Information Management:** ICT allows for efficient storage, retrieval, and processing of vast amounts of information, enhancing decision-making processes.



**Automation:** ICT enables the automation of tasks and processes, improving efficiency and reducing manual workload.



**Education:** ICT has transformed education, providing access to online resources, e-learning platforms, and interactive educational tools.



**Business and Commerce:** ICT plays a pivotal role in business operations, from managing finances to conducting e-commerce and reaching a global market.

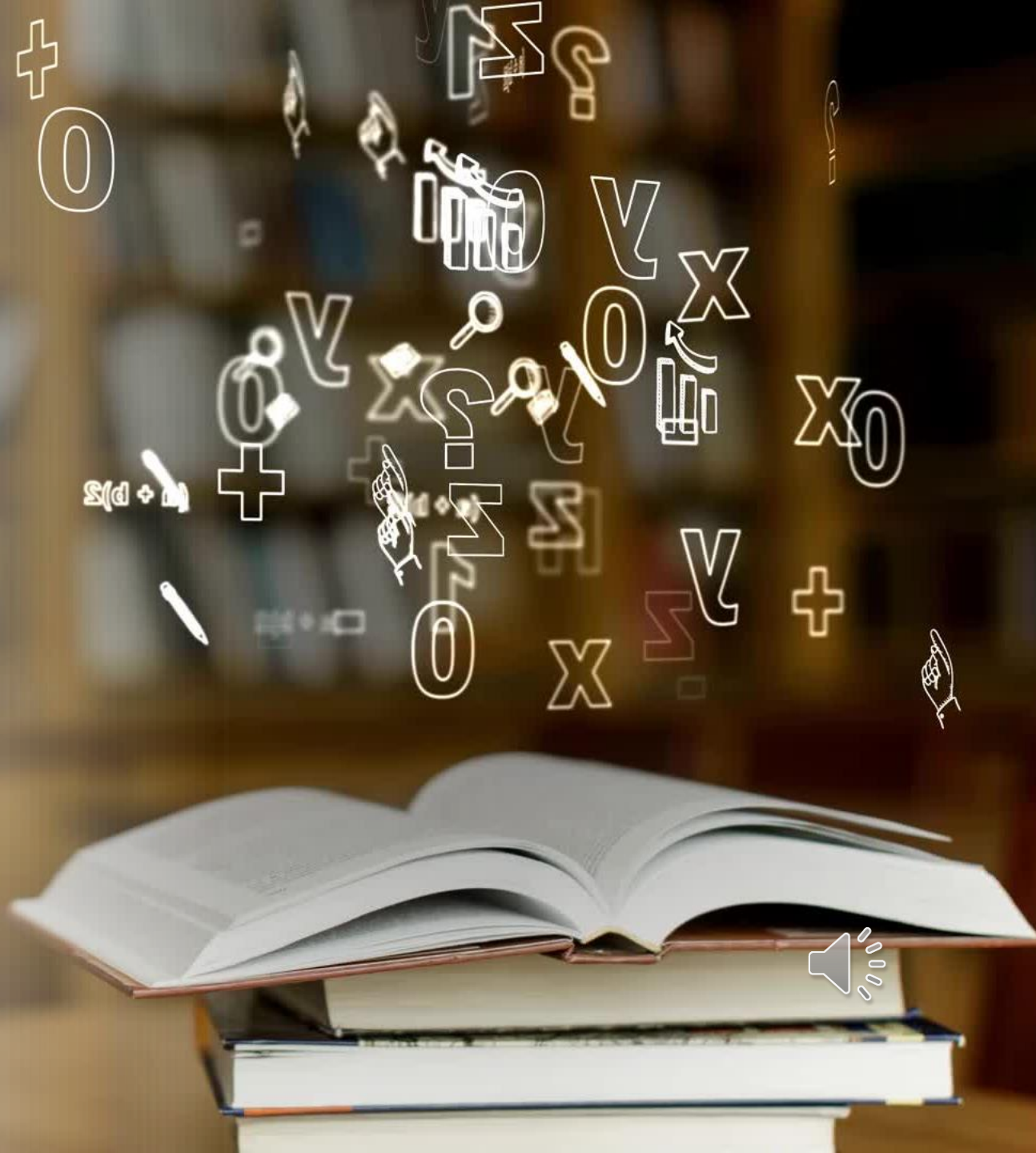




# Digital Literacy

*Digital literacy involves the ability to use and navigate digital technologies effectively.*

*It includes skills such as*  
***Information literacy***  
***Computer literacy***  
***Internet literacy***





# Cybersecurity

In the interconnected nature of ICT, cybersecurity is crucial to protect systems, networks, and data from unauthorized access, attacks, and data breaches.







# Emerging Technologies

- **Artificial Intelligence (AI):** Machines and systems that simulate human intelligence.
- **Internet of Things (IoT):** Interconnected devices that can communicate and share data.
- **Blockchain:** A decentralized and secure method of recording and verifying transactions.



The background of the slide features a network diagram. It consists of numerous white, stylized human figures of varying sizes, each positioned within a small blue circle. These circles are interconnected by a web of thin, dark grey lines, creating a complex, interconnected network that symbolizes global connectivity and digital communication.

# Social Impact

ICT has transformed social interactions, connecting people globally, fostering online communities, and influencing how information is shared and consumed.







# Effective Usage of ICT

*To use ICT effectively, individuals and organizations should **prioritize continuous learning** to stay abreast of technological advancements, enabling them to leverage the latest tools and solutions.*

*Additionally, fostering a strategic approach in **integrating ICT into workflows**, emphasizing efficiency, security, and adaptability, ensures optimal utilization and impact.*



# Covered Points:

---

- Definition of ICT
- Basic Components of ICT
- Importance of ICT
- Digital Literacy
- Cybersecurity
- Emerging Technologies in ICT
- Social Impact of ICT
- Effective usage of ICT



**AIS Learning**  
E m p o w e r e d  
y o u r f u t u r e

