

# 2.0 Computer Hardware, Software and Internet Application

Noor Dayana Abd Halim  
Faculty of Education

# Computer Hardware

- Hardware-refers to any **physical objects** that are part of the **computer system**
- Computers needs hardware to operates
- 5 categories of hardware
  - **I**nput
  - **P**rocess
  - **O**utput
  - **S**torage
  - **C**ommunication

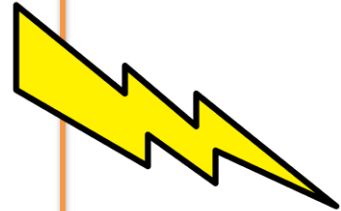
Data



Input



Process



Communication



Output



Storage



# Computer Software

- Software is a program that **enables a computer to perform a specific task**
- Software also refers to **instructions that controls the functioning of the computer**
- Type of Software :
  - **Operating** Software
  - **Application** Software

Sources : [https://www.sciencedaily.com/terms/computer\\_software.htm](https://www.sciencedaily.com/terms/computer_software.htm)

# Internet Application :

## Asynchronous communication

- Asynchronous communication is the relay of information with a time lag. The time lag give user time to respond to certain message.
- Asynchronous communications can be sent at any time without regard to whether or not the receiver is ready
- Examples:
  - Email
  - Social Networking Site
  - Online Discussion Forum



Sources : <https://www.worldwidelearn.com/education-advisor/questions/synchronous-asynchronous-learning.php>

# Internet Application : Synchronous communication

- Synchronous communication is real-time conversations; means that they working together at the same time.
- Examples:
  - **Text Chatting** (eg: Whatsapp, Telegram, Google Talk, etc)
  - **Video Chatting** (eg: Face Time, Google Duo, Skype, FB Live Chat, WebEx, Snapchat, etc)



# THANK YOU

# Activity 2

- What is the **latest technology application**?
- Describe the features of the technology application did you identify?
- Discuss how it can be applied in teaching and learning?
- Activity 1 = contoh hardware and contoh software