TP 0: Component of Computer

Computer Architecture I2

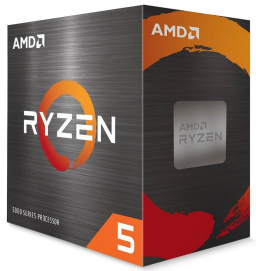
Prepared by: OL Phearun

2025–2026

Team 1 – CPU (Processor)

1. What is a CPU?
2. Why is CPU called the “brain” of the computer?
3. What does “Generation” mean? (Example: i5 8th Gen vs 12th Gen)
4. What is GHz?
5. Difference between i3, i5, i7?
6. Which CPU is good for:
    a. Student?
    b. Gaming?
    c. Office work?
7. What is the price of an i5 laptop in Cambodia?





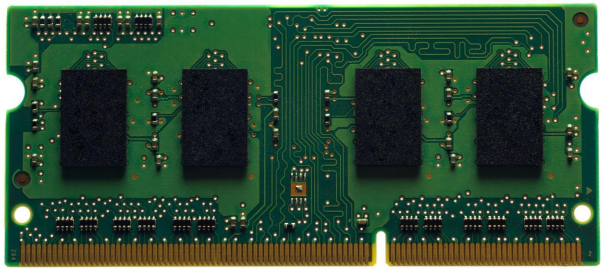




Team 2 – RAM (Memory)

1. What is RAM?
2. What happens if RAM is too small?
3. Is 4GB enough today?
4. Difference between 8GB and 16GB?
5. What is DDR4 / DDR5?
6. How much is 8GB RAM?
7. Can we upgrade RAM in laptop?





Team 3 – Storage (HDD & SSD)

1. What is storage?
2. Difference between HDD and SSD?
3. Why is SSD faster?
4. Is 256GB enough?
5. Which is better for OS?
6. Price of 512GB SSD?



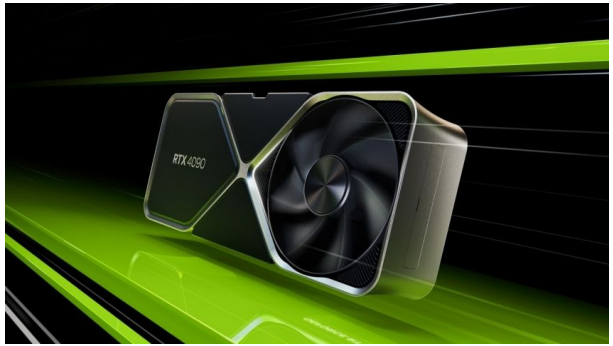


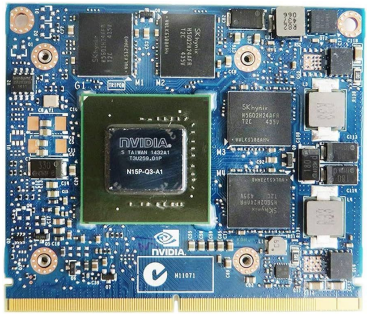


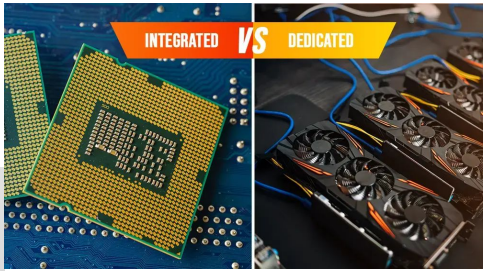


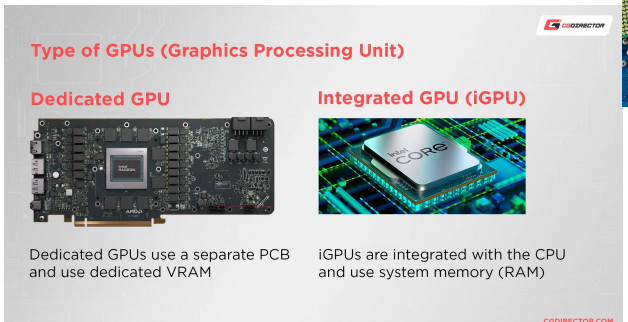
Team 4 – GPU (Graphics)

1. What is GPU?
   What is integrated graphics?
2. What is dedicated graphics?
3. Do students need GPU?
4. Why do gamers need GPU?
5. Example of gaming laptop price?



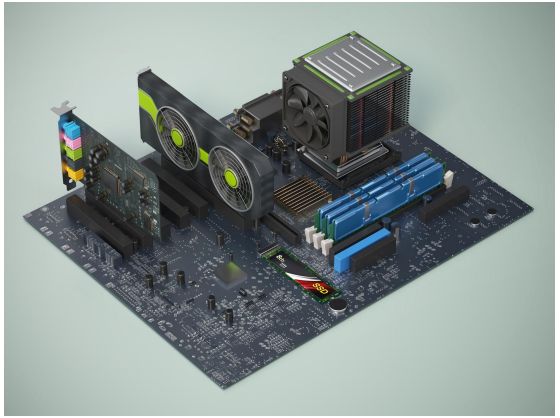


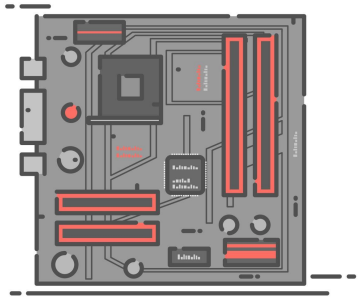




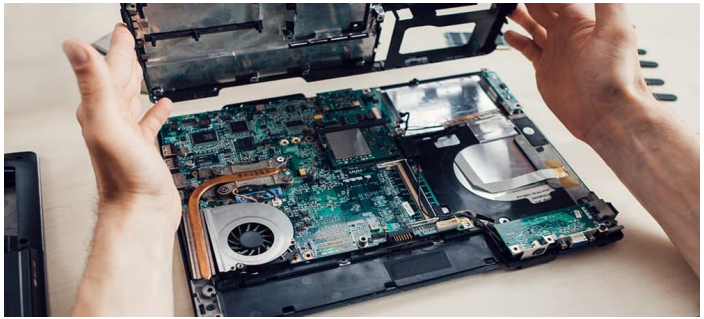
Team 5 – Motherboard

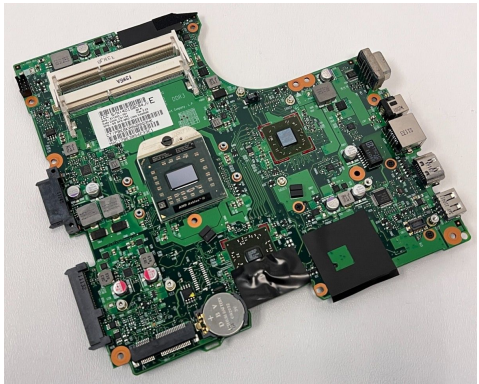
1. What is motherboard?
2. Why is it important?
3. What are USB ports used for?
4. What is HDMI?
5. Can we upgrade motherboard in laptop?
6. Difference between laptop and desktop motherboard?





Motherboard





Team 6 – Display & Screen



1. What is screen size?
2. What is Full HD?
3. What is 60Hz vs 144Hz?
4. Is bigger screen always better?
5. Which screen is good for gaming?
6. Price of 24-inch monitor?

Panel Type	 TN	 VA	 IPS
Response Time	Often under 1ms	Often between 2-3ms	Often between 1-2ms
Color	Limited color space	Good	Best
Contrast	Good 1000:1	Best 3000:1	Good 1000:1
Viewing Angle	170/160	178/178	178/178





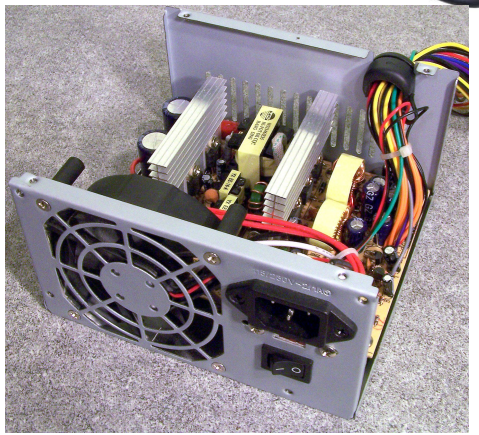
Team 7 – Battery & Power

1. Why does laptop need battery?
2. How many hours is good battery life?
3. What is 45W / 65W charger?
4. Does desktop have battery?
5. What happens if battery is damaged?









Team 8 – Input Devices

1. What are input devices?
2. Examples of input devices?
3. Difference between wired and wireless mouse?
4. What is webcam used for?
5. Which keyboard is better for typing?









Team 9 – Output Devices

1. What are output devices?
2. Examples of output devices?
3. What is difference between monitor and projector?
4. Why do we need speakers?
5. Which printer is good for school?









Team 10 – Laptop vs Desktop

1. What is laptop?
2. What is desktop?
3. Which one is cheaper?
4. Which one is easier to upgrade?
5. Which one is better for:
   a. Student?
   b. Gamer?
   c. Office worker?
6. If you have $600, what would you buy? (New or Secondhand)





