**A REPORT ON LEARNING ABOUT INTERNAL PARTS OF A COMPUTER AND TROUBLESHOOTING ON 14TH/5/2024.**

We focused on understanding the internal components for computer system and identifying problems with some of the machines. Key factors and findings included:

**1. Learning about internal components**

**a) RAM (Random Access Memory)**

Temporarily stores data for quick access by the CPU, essential for smooth operation of applications.

**b) Hard Disk**

Long-term storage device for data, files, and software.

**c)Power supply**

Converts and distributes electrical power to the computer components.

**d)Fan**

Helps dissipate heat to prevent overheating.

**e) Mother board**

The main circuit board connecting all components, enabling communication between them.

**2. Troubleshooting identified problems**

**a) Monitor going to power save mode**

One machine had an issue where the monitor displayed a signal message and went into power save mode. This could indicates problems with connection between the monitor and the CPU, possibly due to:

* Loose or damaged cables
* Faulty graphics card
* Issues with the CPU

**b) Missing RAM**

Another machine was found to be lacking RAM. Without RAM, the computer cannot perform necessary operations, leading to failure to boot or extreme sluggishness.

**Comments/reflections**

* Understanding the internal parts of a computer is essential for diagnosis and solving hardware issues.
* The trouble shooting exercises provided practical experience in identifying and addressing common computer problems
* Working through these issues has improved our problems- solving skills and technical knowledge.