



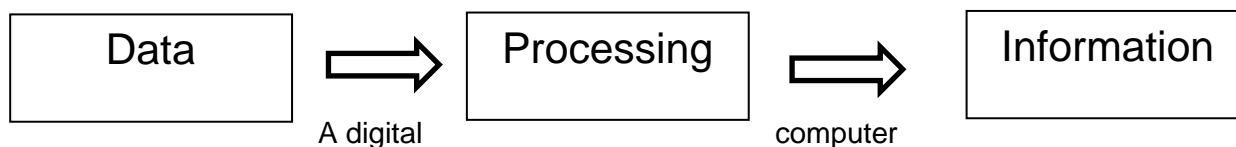
Competency Level 1.3:Formulates an Abstract model of information creation and evaluates its compliance with ICT

A system can be defined as an interrelated component work together to achieve a common objective. A school, a vehicle or a bicycle can be introduced as a system.

- A system is made up of inputs, processing, and output.
- A system consists of interrelated components / sub systems.
- System should be analyzed to identify inputs, outputs, subsystems and their individual responsibilities.

Abstract model of information

In an information system data input into the system is processed using processing instructions given and information is produced as output. This is called an abstract model of information.



carries out the following five functions:

1. Takes data as input.
 2. Stores the data/instructions in its memory and uses them as required.
 3. Processes the data and converts it into useful information.
 4. Generates the output.
 5. Controls all the above four steps.
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1. Select the correct order of the process, of converting data into information.
 - I. data - Process – information
 - II. data - input- Process – output
 - III. input - Process – output
 - IV. Process - input – output
 - V. data - information – Process
 2. Choose the incorrect statement regarding an information.
 - I. There is value in information.
 - II. information helps to develop knowledge.
 - III. data used to generate information.
 - IV. The value of the information is high with the zero time.

V. Information cannot be used to make decisions.

1. What is real-time data processing? Explain with examples.
2. Name 5 systems in our day today life. Describe each system mentioning inputs, process and outputs.