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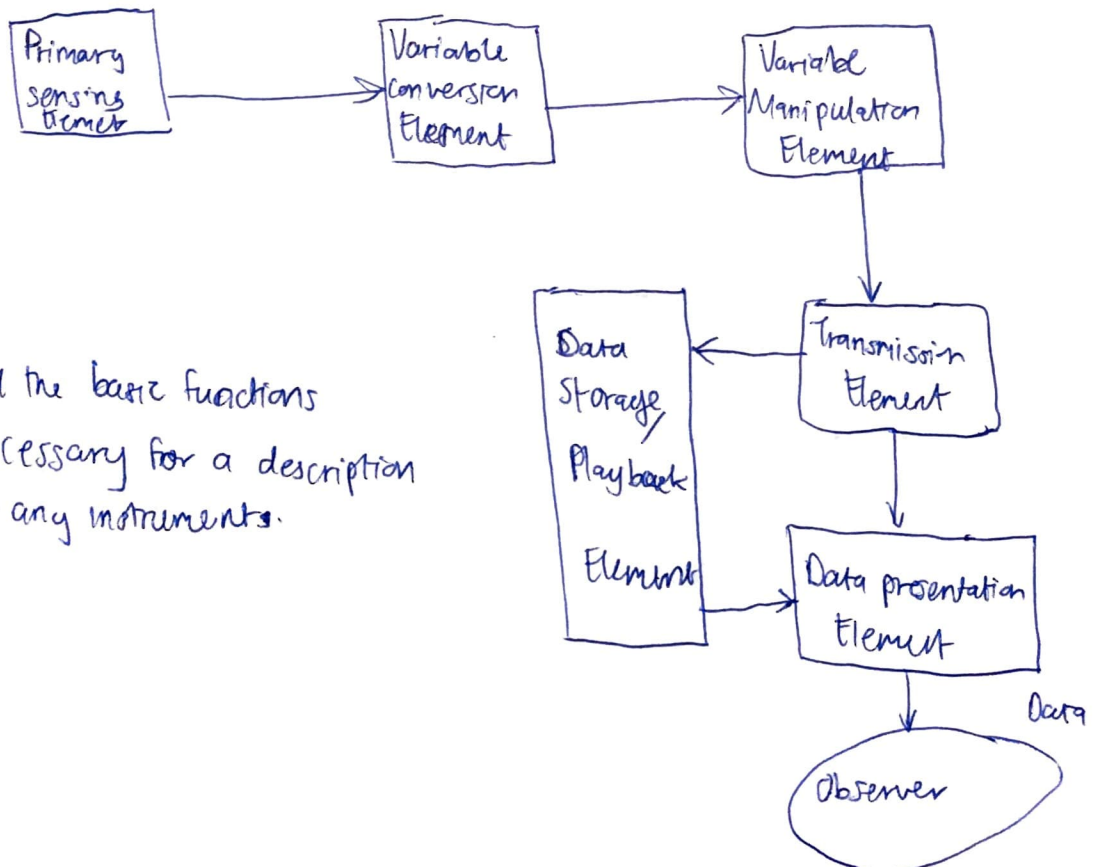
ELECTRICAL/ELECTRONICS ENGINEERING

EEE 319.

1. A sensor is a device which detects or measures a physical property and records, indicates or otherwise responds to it. Examples are proximity sensor, Temperature sensor, Pressure sensor.

While an Actuator is a device that causes a machine or other device to operate. Examples are: Comb drive, Electroactive polymer.

2.



All the basic functions necessary for a description of any instruments.

3.

- i. An Electrocardiogram (ECG): This is a measuring device that helps monitor the heart's electrical activity. It plots a graph of Voltage versus time from signals it has received from the heart.

- ii. A digital Blood pressure machine: This is another measuring device used in daily to day medicine. It works by putting pressure on the centre of your arm to its sensors are closer to your veins and then it records your pulse and heart beats per minute. It displays the result on ~~an~~ LCD screen attached to it.