BASICS IN ELECTRICAL

1. Voltage (volt)

Potential difference between 2 points

1V=6.052\*10^18 electrons.

1. Current (amps)

When the load is connected and the closed loop occurs the current flows

1A=6.052\*10^18 electron/sec.

1. Resistance

Oppose the flow of current.

The size of the conductor controls the flow of current.

1. Power (Watts)

P=VI

Electrons won’t flow instead the effect caused due to the flow of current.

Electrons move slowly.

1. Energy (Watts/sec or hr or min)

E=VIT

Which simulates the current to flow.

1/08/2025 LOGIC GATES

In electrical we use normal (mechanical) switch

In electronics we use transistor as switch