Current And its types and unit

➢ INTRODUCTION

- *So, in the previous video of mine I have explain you the clear difference between electricity and voltage, Now let's move onto current. You are applying a pressure from outside which is being absorbed by the 1 end of the piston and at the other end electrons are emitted out. This is what we have learnt.*

➢ DEFINITION

- *The speed of electrons while moving by voltage is called current. The speed at which the electrons move from 1 atom to another that is called as current.*

On that note let's move into the slides

As per the definition you may think that electrons move from positive (+) to negative (-), but in originality electrons move from negative (-) to positive (+) just keep this in mind.

As you can see here electrons are moving from negative to positive not from positive to negative.

So, this is how voltage, electricity and current works.

- **DIFFERENCE BETWEEN AC AND DC:**

- *So, there are 2 types of current:*

1. **AC:** *Alternating current*
2. **DC:** *Direct current*

- ***Direct*** *current (DC) is the flow of electric charge in only one direction. It is the steady state of a*

constant-voltage circuit. ... Alternating current (AC) is the flow of electric charge that periodically reverses direction.

- **DC:** In Direct current flow of electrons will be in cyclic form. It means that flow of electrons is revolving or recurring. They usually have polarity. They have 2 terminals negative and positive.

Applications:

1. *UPS*
2. *Mobile batteries*
3. *Camera batteries*

Uses:

→ *Most of your batteries are DC and most of the electrical supply which you get in your homes are DC.*

- ***AC:*** Flow of electrons will be in alternative directions. It means to electrons will flow randomly

a plug. Usually, don't have polarity. Have 3 terminals neutral phase and earthing.

UNIT OF CURRENT: *Ampere (Amp)*

SO, I HOPE THAT YOU HAVE UNDERSTAND ALL THE TOPICS WHICH ARE COVERED IN THIS VIDEO AND IN THE NEXT VIDEO I WILL BE COVERING *CLEAR DIFFERENCE BETWEEN:*

1. ***Electrical***
2. ***Electronics***
3. ***Mechanical***

IF YOU HAVE ANY QUERY, PLEASE COMMENT IT DOWN AND PLEASE CHECK THE NOTES OF THIS VIDEO WHICH I HAVE PROVIDED THE LINK IN THE DESCRIPTION OF THIS VIDEO DO SUBSCRIBE MY CHANNEL AND PUNCH THE LIKE BUTTON ON YOUR SCREEN AND I WILL SEE YOU IN THE NEXT VIDEO UNTILL THEN BYE BYE!!