























Hand-drawn cloud diagram with text inside and around it.

Handwritten text on the paper:

- Handwritten text at the top of the cloud.
- Handwritten text below the cloud.
- Handwritten text at the bottom of the page.









ELECTRIC ENERGY \rightarrow MECHANICAL

Law

$$\nabla \cdot (\mathbf{E} + \nabla \times \mathbf{B})$$

$$\nabla \cdot \mathbf{E} = \rho$$











MALAYSIA
RUSTY

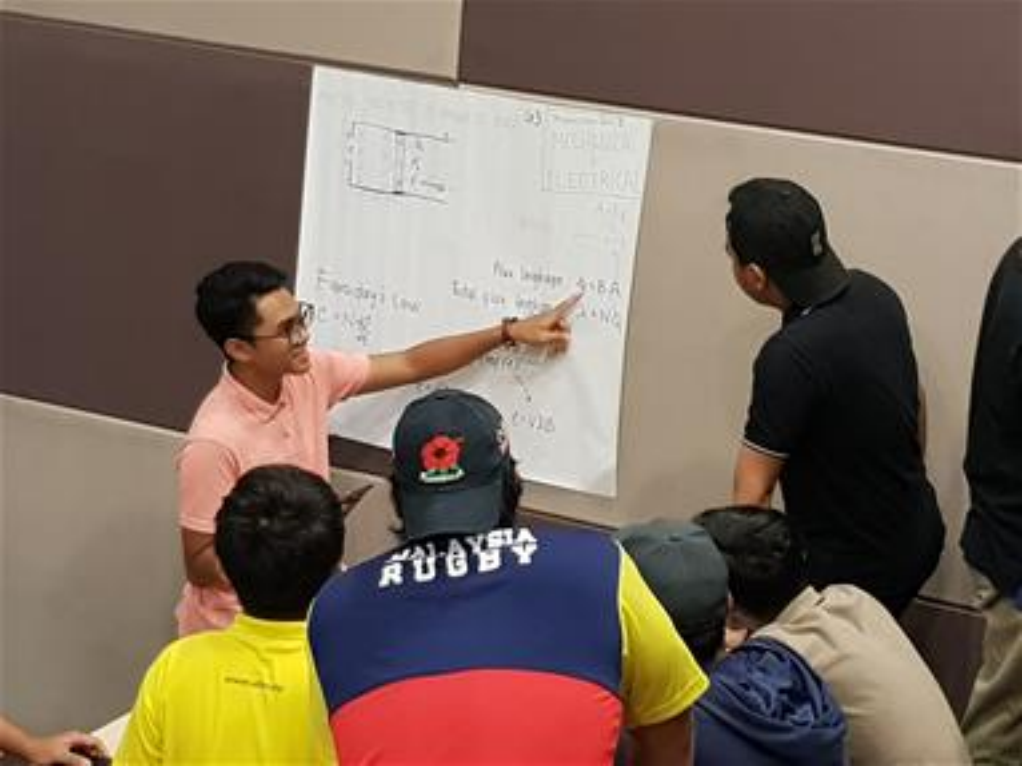


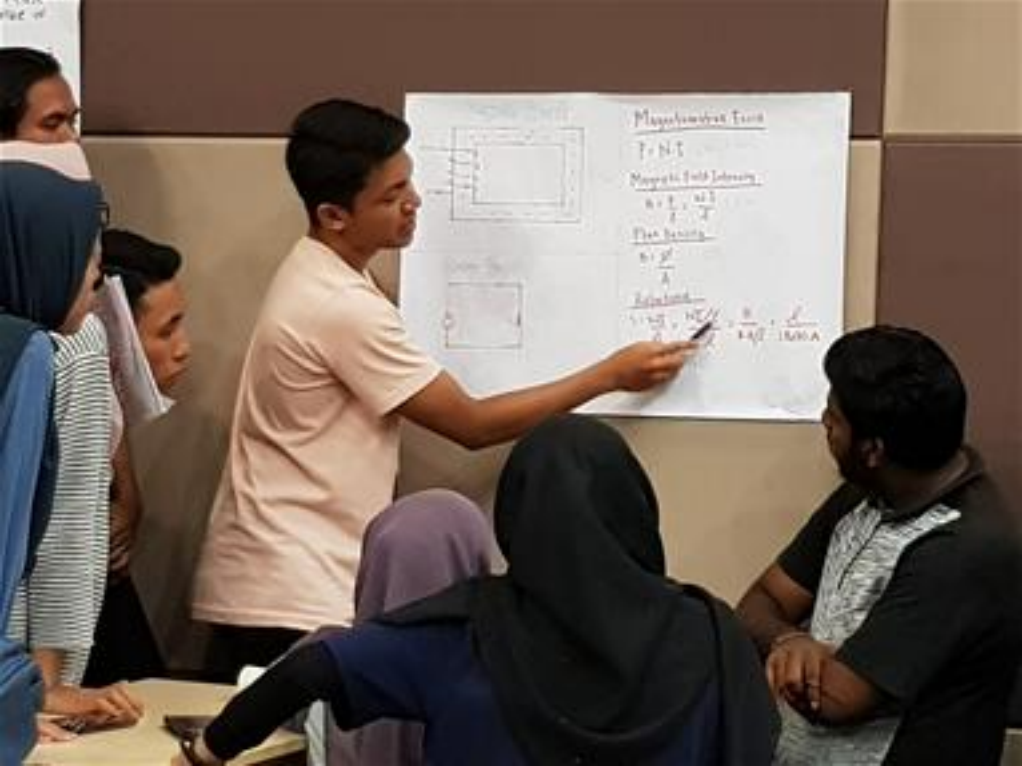






1. ...
2. ...
3. ...
4. ...
5. ...
6. ...
7. ...
8. ...
9. ...
10. ...





Magnetostatis I

$\vec{r} = N \cdot \vec{l}$

Magnetostatik Intensität

$$H = \frac{I}{l} = \frac{NI}{l}$$

Flussdichte

$$B = \frac{\mu}{\mu_0} H$$

Beispiel

$$I = 10 \text{ A}, N = 1000, l = 0,5 \text{ m} \Rightarrow H = \frac{10 \cdot 1000}{0,5} = 20000 \text{ A/m}$$



MAGNETIC FIELD INTENSITY

$$B = \mu H$$





Handwritten notes on the left whiteboard, including a diagram and text such as "The main purpose of the..." and "The main purpose of the...".

Handwritten notes on the right whiteboard, featuring a central concept 'PROOF' and several branches of text and diagrams. The text includes:

- Handwritten notes on the right whiteboard, including a diagram and text such as "The main purpose of the..." and "The main purpose of the...".









MAGNETIC FIELD INTENSITY

$$B = \mu H$$



Hand Colors







QUEST
Answers will be
read, clarified,
revised and sent
to be studied.



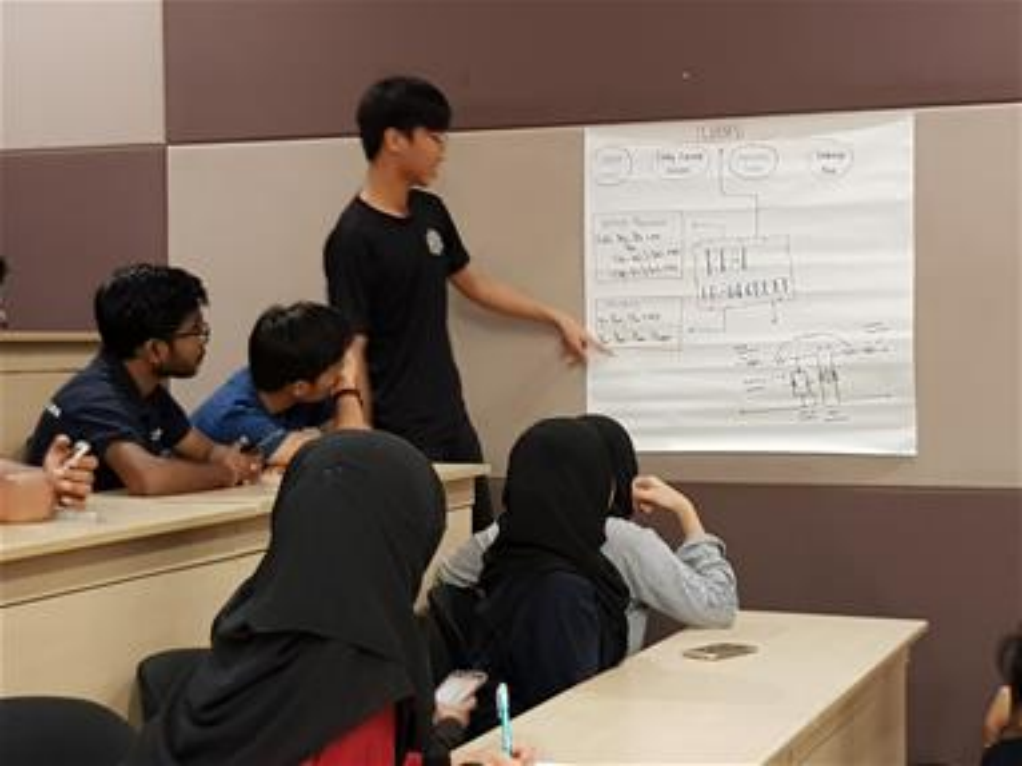
















ELECTRIC → ELECTRICAL
ENERGY



Handwritten notes on a poster, partially visible on the left edge of the frame.

Crescendo.





Summary

Theory of...

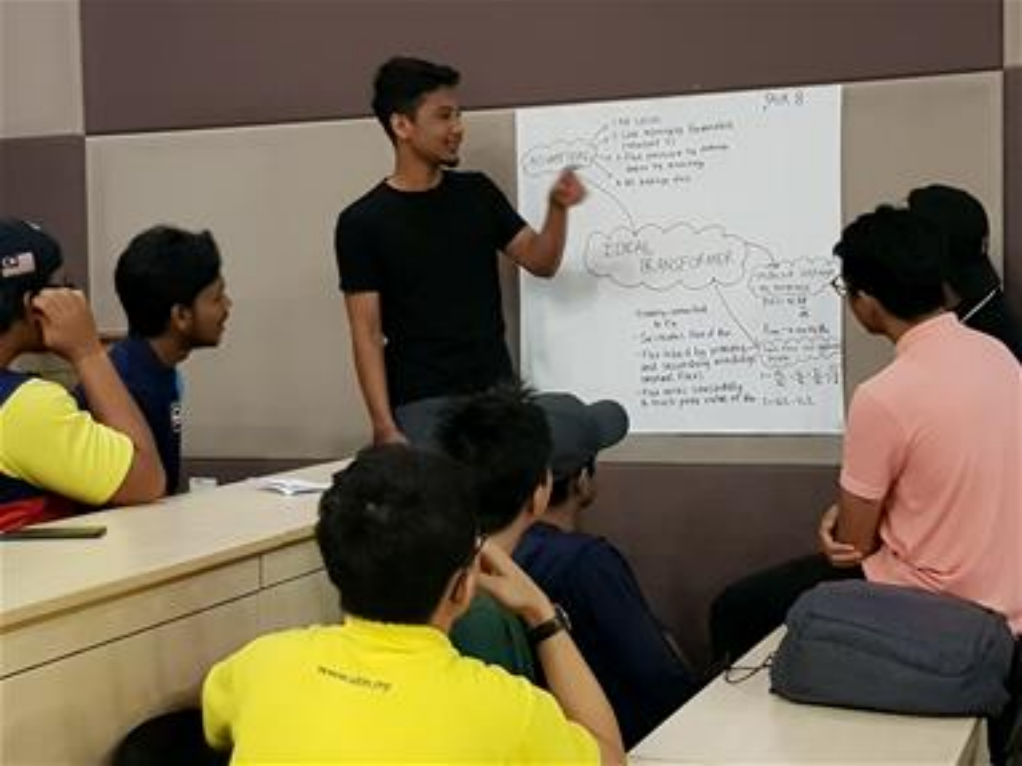
Rayson or lower...

Design circuit...

Maximum average speed of...

Explain to...

ASD



ACQUISITION

- 1. No action
- 2. Low cognitive demands
- 3. Related to
- 4. That involves the same
- 5. As the activity
- 6. As the activity

IDEAL (KIND OF IDEAL)

- 1. The ideal is primary and secondary activities
- 2. The ideal is secondary and tertiary activities
- 3. The ideal is tertiary and quaternary activities

IDEAL (KIND OF IDEAL)

- 1. The ideal is primary and secondary activities
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IDEAL TRANSFORMER

- No losses
- Core magnetic fluxation constant μ
- Flux density is same both in winding & in being iron

Primary connected to AC

- Flux linked by primary and secondary winding (same flux)
- Flux varies sinusoidally & reach peak value of the

Secondary connected to load

- Induced voltage in secondary winding

Formulas:

$$E_p = -N_p \frac{d\phi}{dt}$$
$$E_s = -N_s \frac{d\phi}{dt}$$
$$\frac{E_p}{E_s} = \frac{N_p}{N_s}$$
$$\frac{V_p}{V_s} = \frac{N_p}{N_s}$$
$$\frac{I_p}{I_s} = \frac{N_s}{N_p}$$







ELECTRIC → MECHANICAL
ENERGY



Theory



When AC is applied to the primary winding, it produces a magnetic flux in the core. This flux is the source of the voltage in the secondary winding.

Theory of Transformer

Transformer
- static machine with 100% efficiency
- No galvanic contact between windings

EXPLAN

- Raise or lower voltage/current in AC
- Isolate circuit from each other
- Increase/decrease apparent value of L, C, R
- Enable to transmit electric energy over great distances
- Distribute safely in home and factories

TYPE of construction



(sand core / shell)

Shell-type



ASSUMPTIONS

- 1. NO LOSS
- 2. Low intensity frequency (initial 0)
- 3. Flux produced by primary linked by secondary
- 4. No external flux

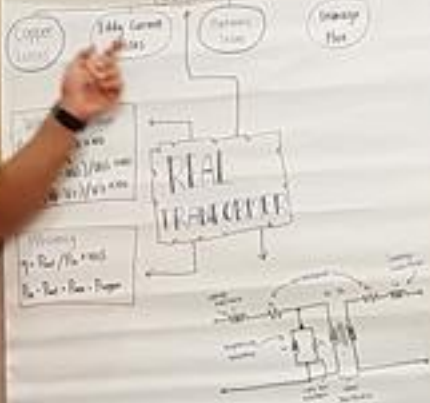
IDEAL TRANSFORMER

- Primary connected to AC
- Secondary connected to load
- Flux in primary and secondary
- Flux in core





LOSSES





ELECTRIC → MECHANICAL
ENERGY





Ferdinand F. Low
 $e = \frac{d\Phi}{dt}$

The output 4 = B A
The input 2 = N O

induced EMF
 $e = \frac{d\Phi}{dt}$
 $e = V_{ind}$

Students in a classroom setting, some sitting at desks and others standing, engaged in a discussion or presentation.



TAJ 8

- 1 No loss
- 2 No primary resistance (resistor R_1)
- 3 Flux produced by primary is not lost by winding
- 4 No core loss

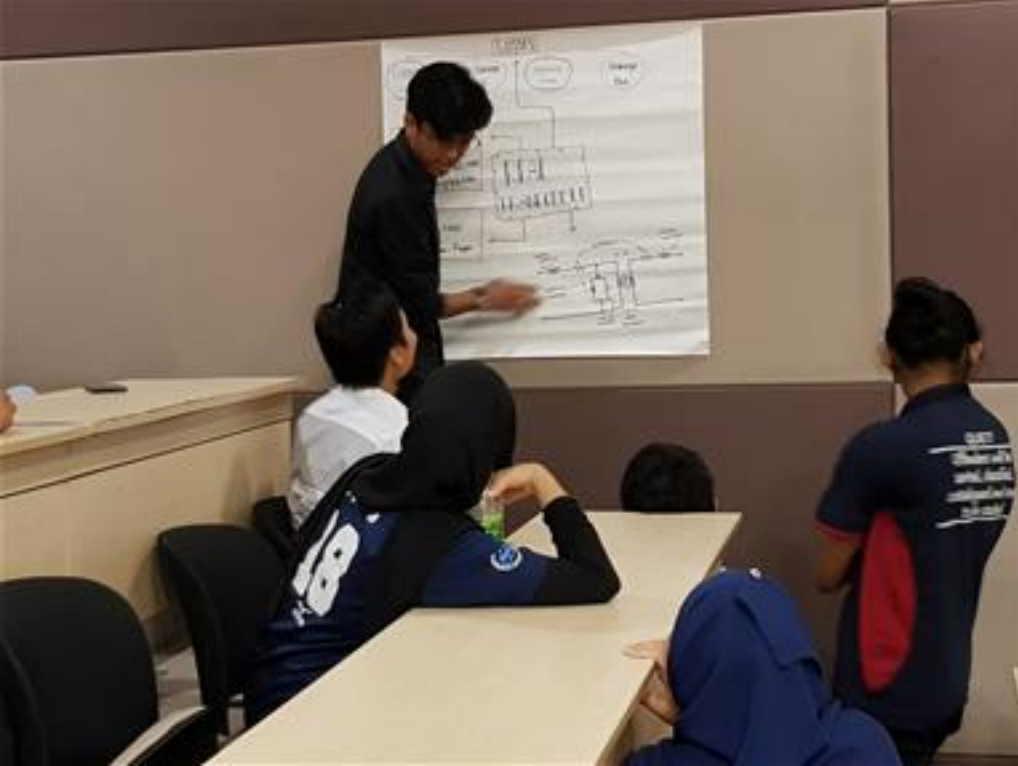
IDEAL TRANSFORMER

with
of the
pro

MAGNETIC FIELD INTENSITY

$$B = \mu H$$













Friday 11/11/21

The image 4-1-1

The image 4-1-2

11/11/21

11/11/21

11/11/21

MAGNETIC FIELD INTENSITY

$$B = \mu H$$





MANAGEMENT AND ACCOUNTING 2





