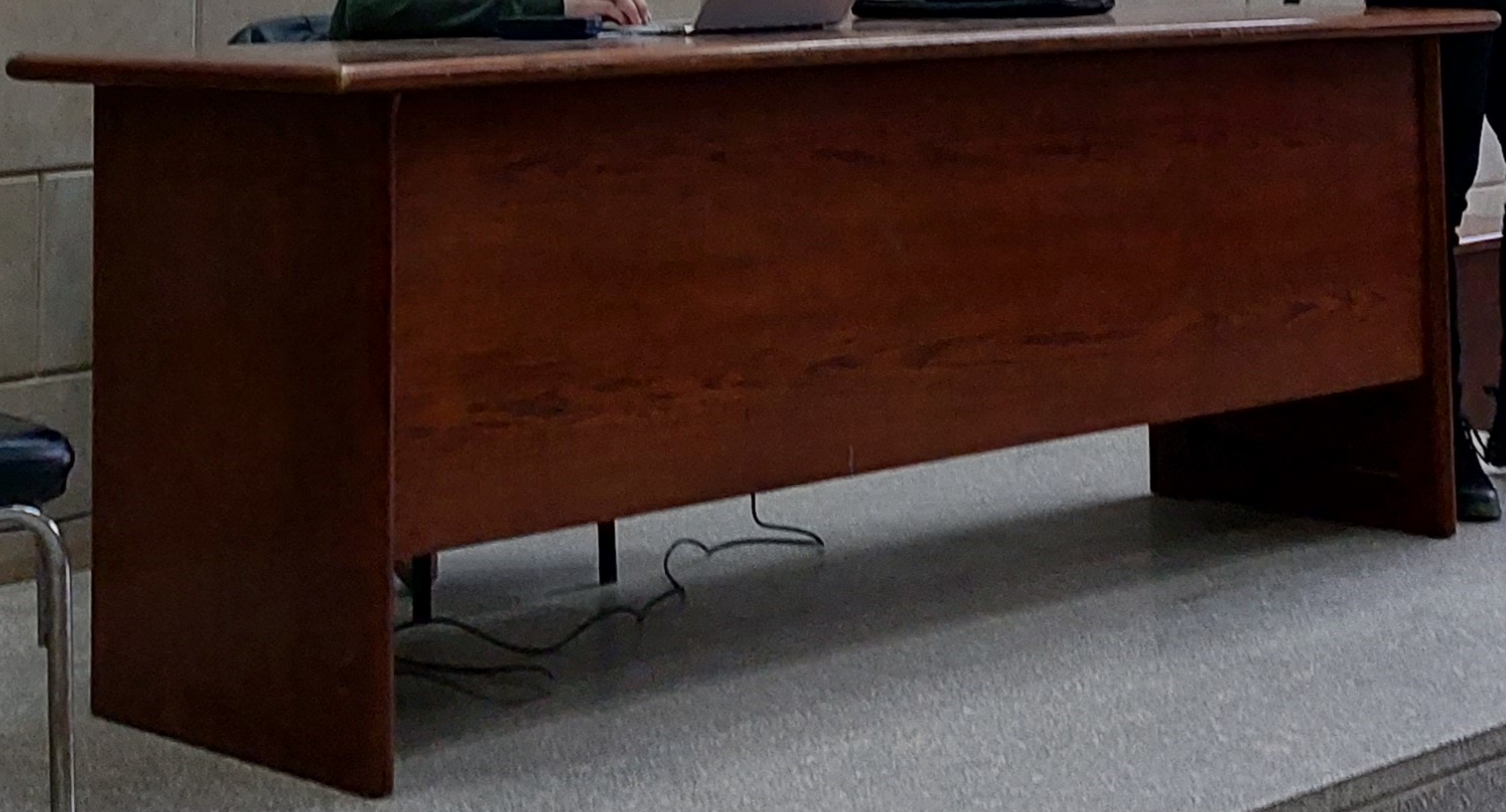
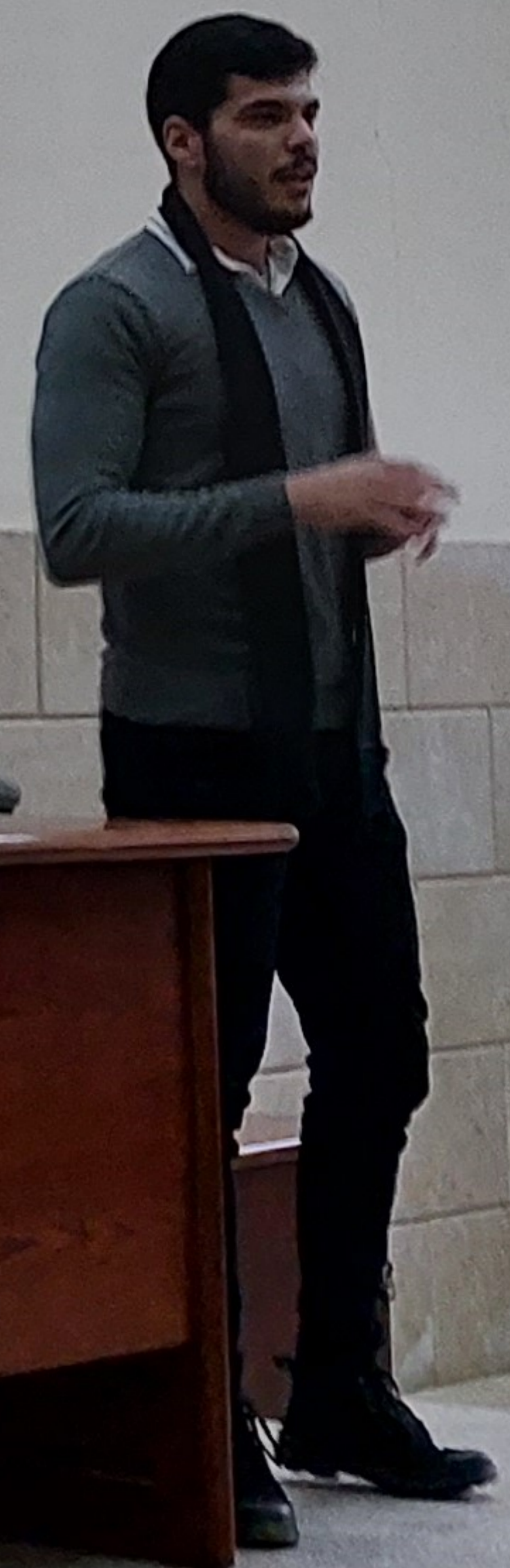
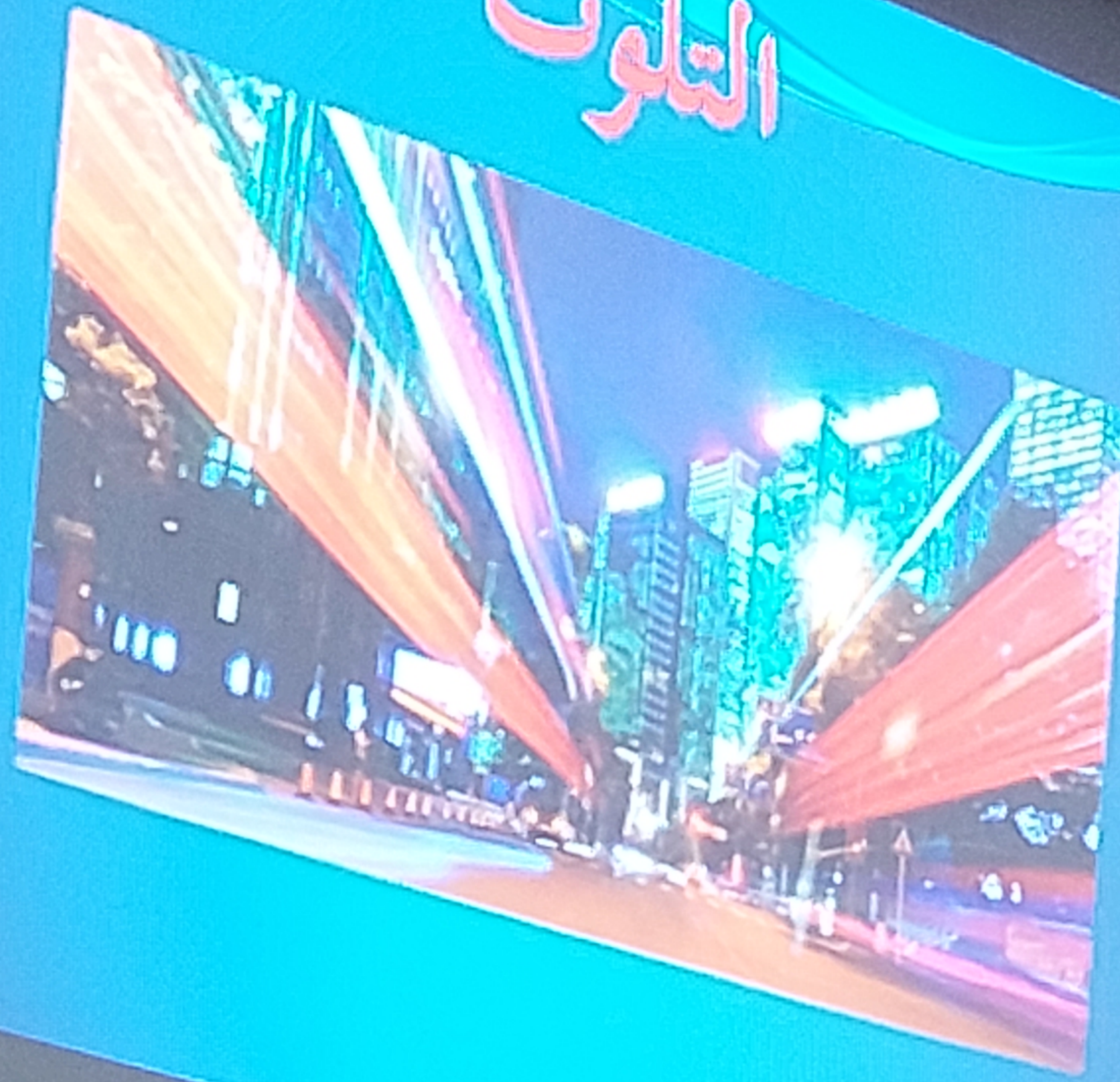


Whiteboard content including:

- Equation: $\dot{m} = \rho Q = \rho v A$
- Equation: $E_{loss} = \dot{m} \Delta p$
- Equation: $h_{loss} = (K) \frac{v^2}{2g}$
- Diagram of a pipe with flow direction and various parameters like h_1 , h_2 , Q , R_L , R_H , R_S .
- Diagram of a pump system with a motor and a pipe.



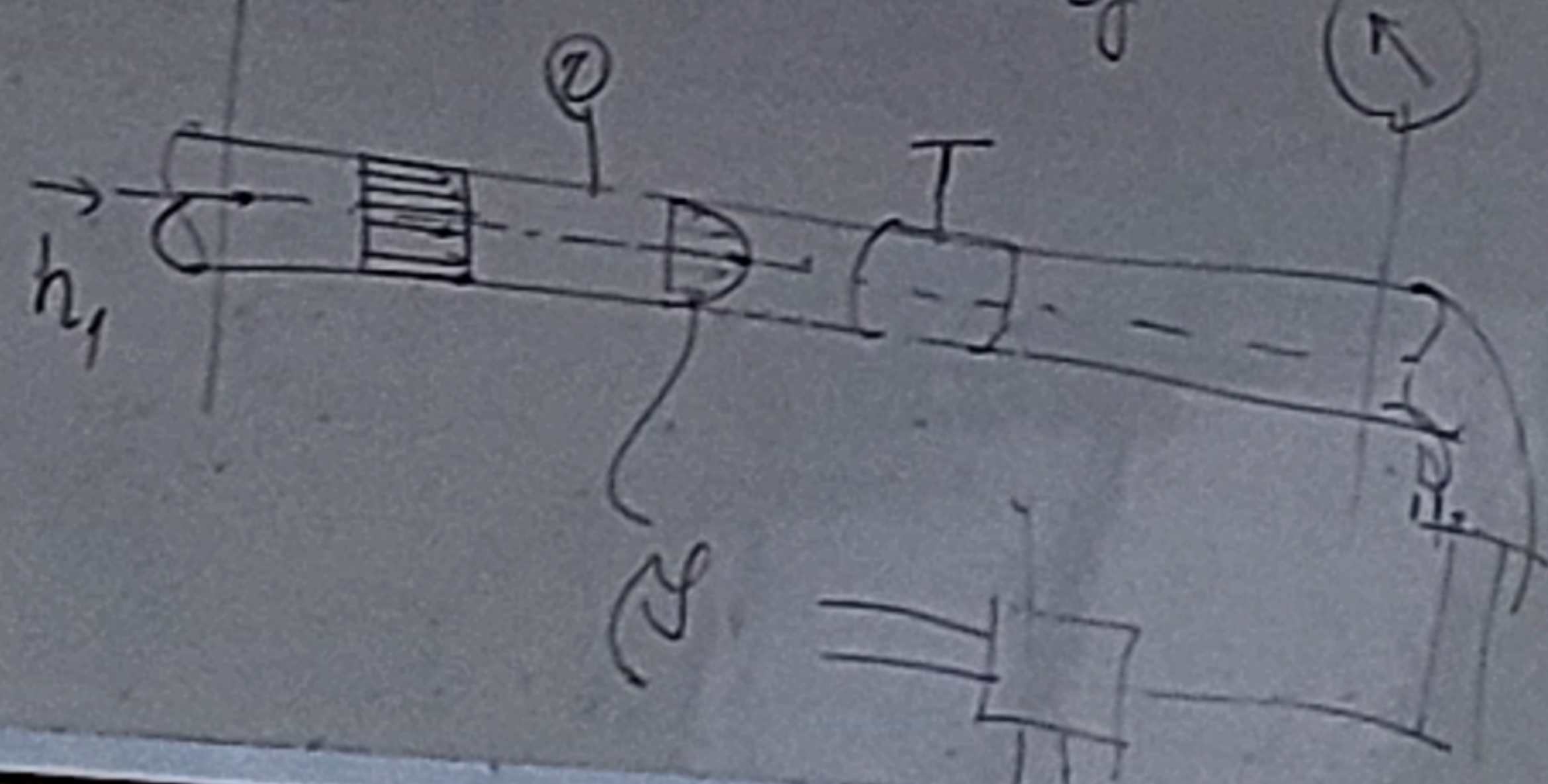
التلوث



$$\rho = 9800 = 50 \text{ kg/m}^3$$

$$E_{\text{loss}} = \rho g \Delta T$$

$$h_{\text{min}} = \left(\frac{5K}{2g} \right) \frac{V^2}{2g}$$



$$h_L = \left(\frac{f}{D} \right) \frac{L}{2g} \frac{V^4}{2g}$$

Fricton



Dr. Younes Ghannem

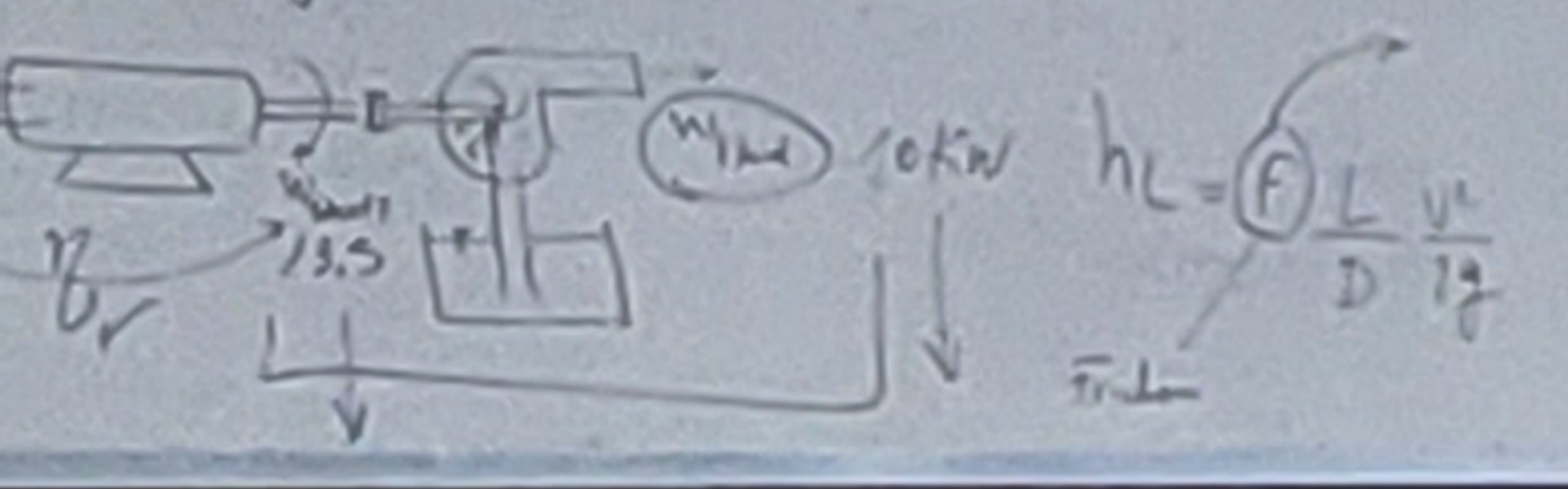
الإحتباس الحراري GLOBAL WARMING

Done By 1. Ahmed Mohamed Kamalen
2. Mohammed Shokri Abd El Khabli
3. Hassan Kamal Abd El Fakhri

$$= E \frac{d_{\text{scale}}}{\text{sec}} = \text{Watt}$$

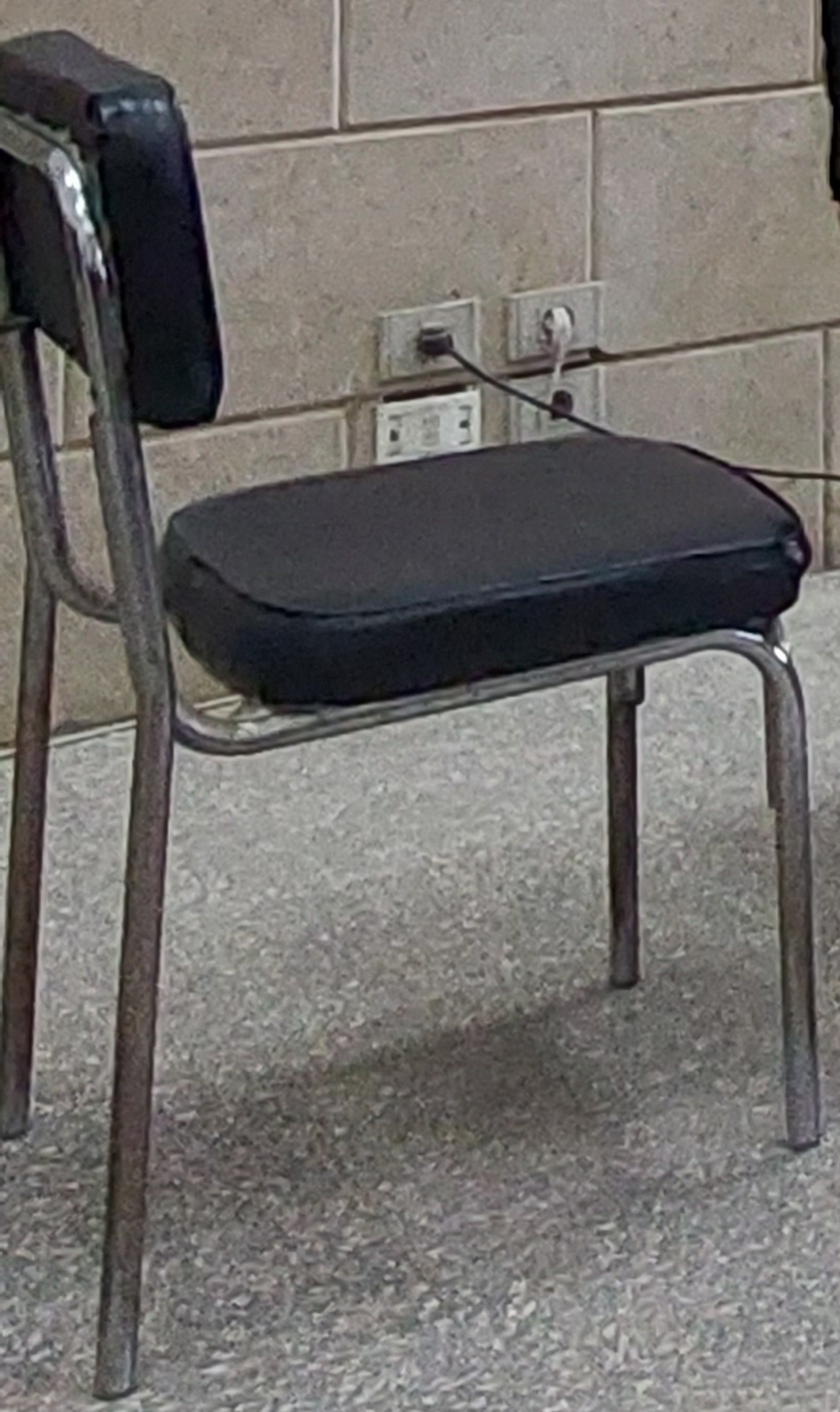
$$= \frac{O/P}{I/P}$$

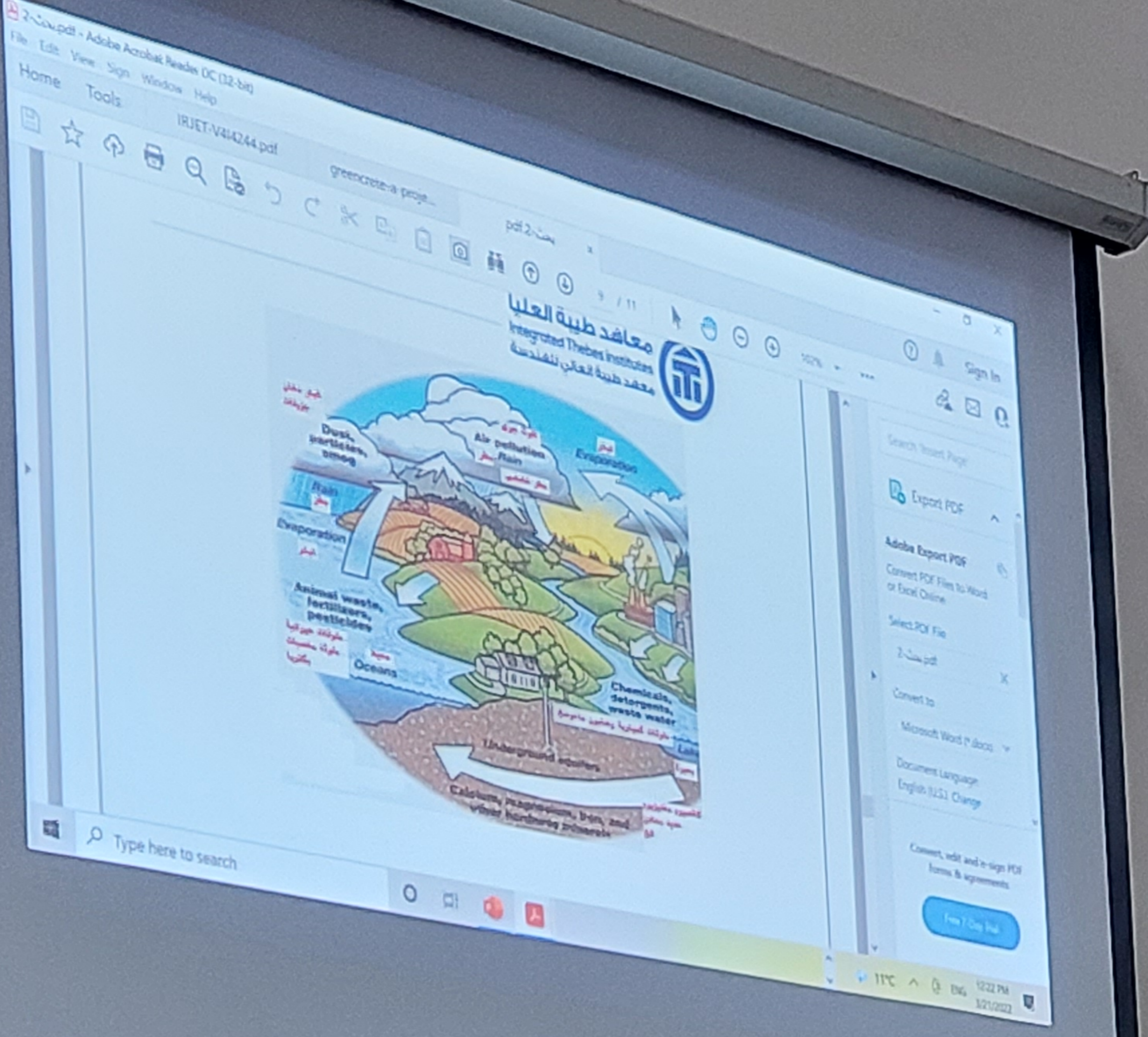
$$\eta_{\text{max}} = \frac{W_{\text{out}}}{W_{\text{in}}} < 1$$



$$m = 8 \text{ Q} = 5 \text{ m}^2$$

$$E_{\text{low}} = (2) \text{ p} \text{ at } \text{ } \eta_{\text{low}} = (5) \text{ K}$$





Watt

$$\dot{m} = \rho Q = 50 \text{ kg/s}$$

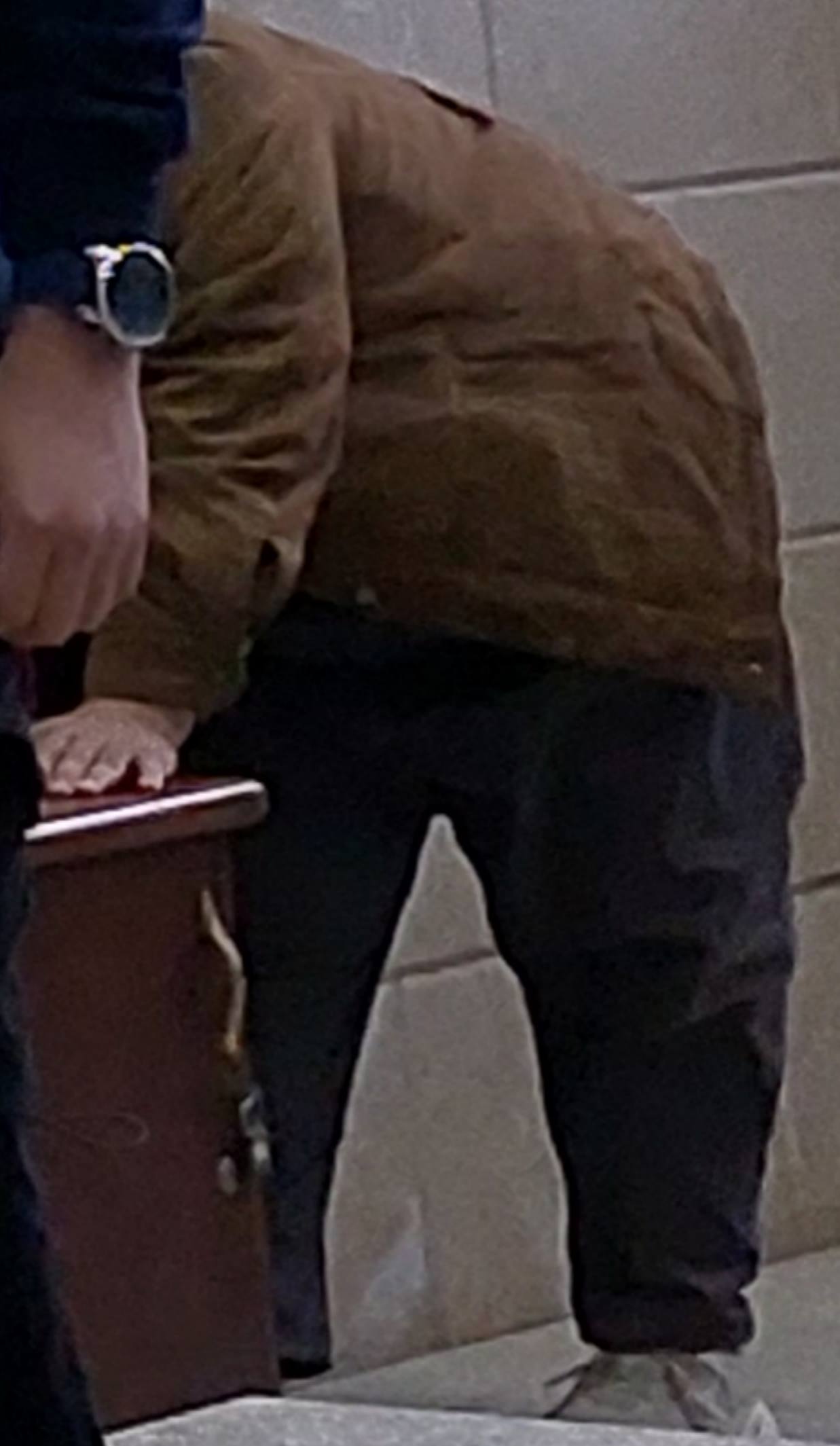
$$\eta_{\text{max}} = \frac{W_{\text{out}}}{E_{\text{elec}}} < 1$$

$$E_{\text{loss}} = \dot{m} g p \Delta T$$

$$\eta_{\text{min}} = \left(\sum K \right) \frac{V^2}{2g}$$

$$h_L = \left(\frac{f}{D} \right) \frac{L}{2g} V^2$$

Friction



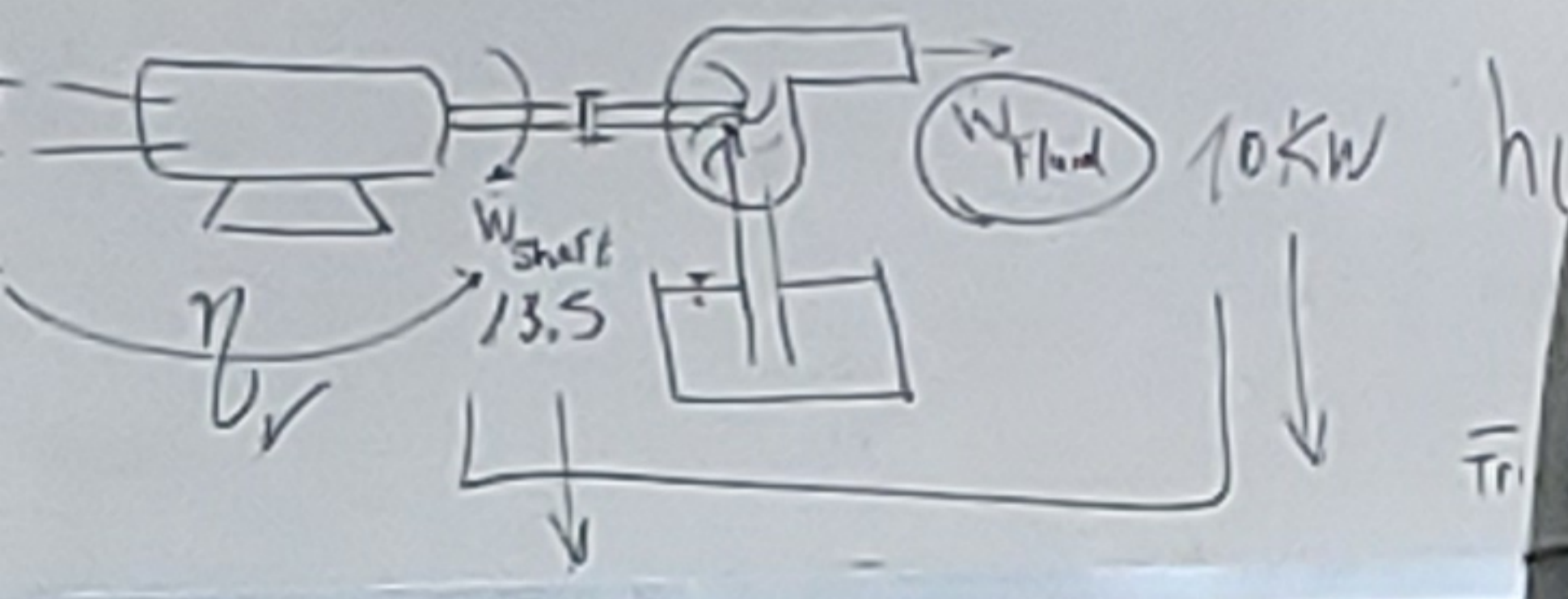
Solid Wastes

BY
AHMED EID RAMADAN
BAHY ELDEEN MOHAMED
MOHAMED SALEH
SUPERVISION : DR. YOUSRA IBRAHIM

$$W = E \frac{\text{Joule}}{\text{sec}} = \text{Watt}$$

$$\eta = \frac{O/P}{I/P}$$

$$\eta_m = \frac{W_{shaft}}{E_{elec}} \quad \eta_{m+p} = \frac{W_{fl}}{E_{elec}} < 1$$
$$\eta_p = \frac{W_{fl}}{W_{shaft}}$$



Water Pollution

By

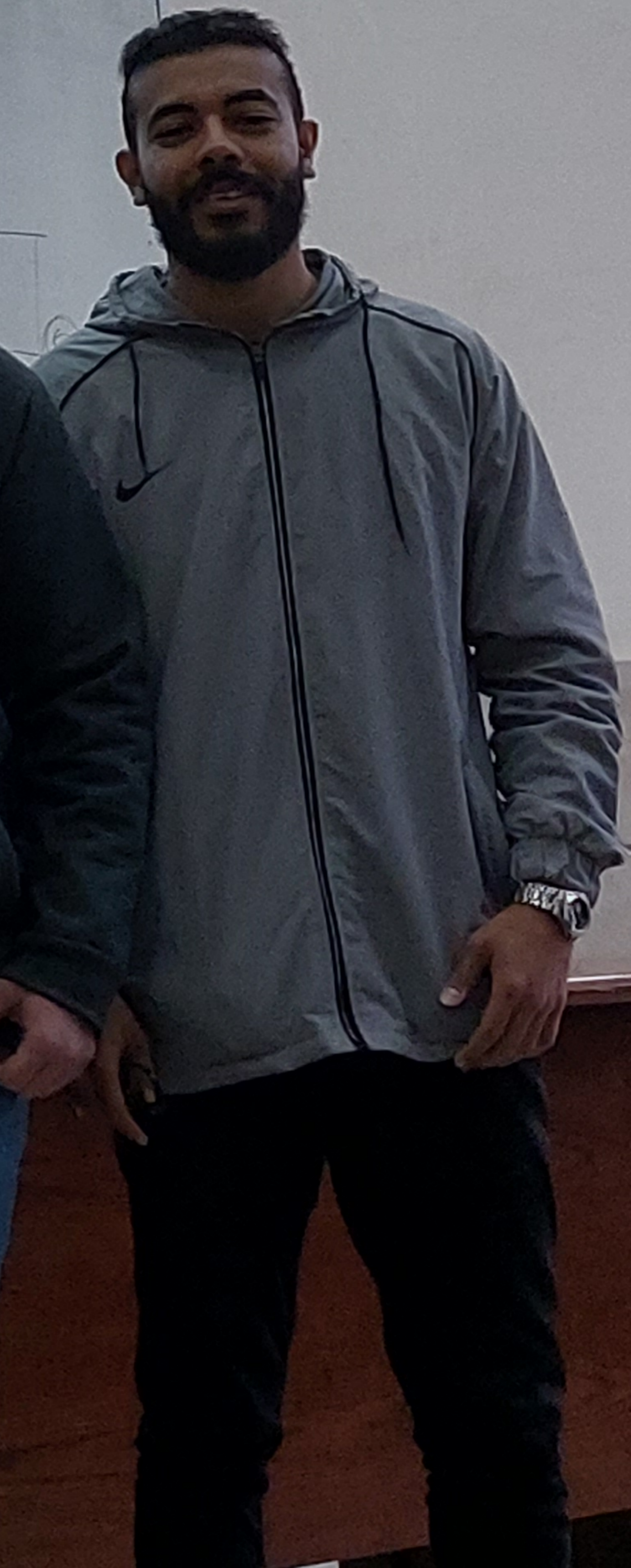
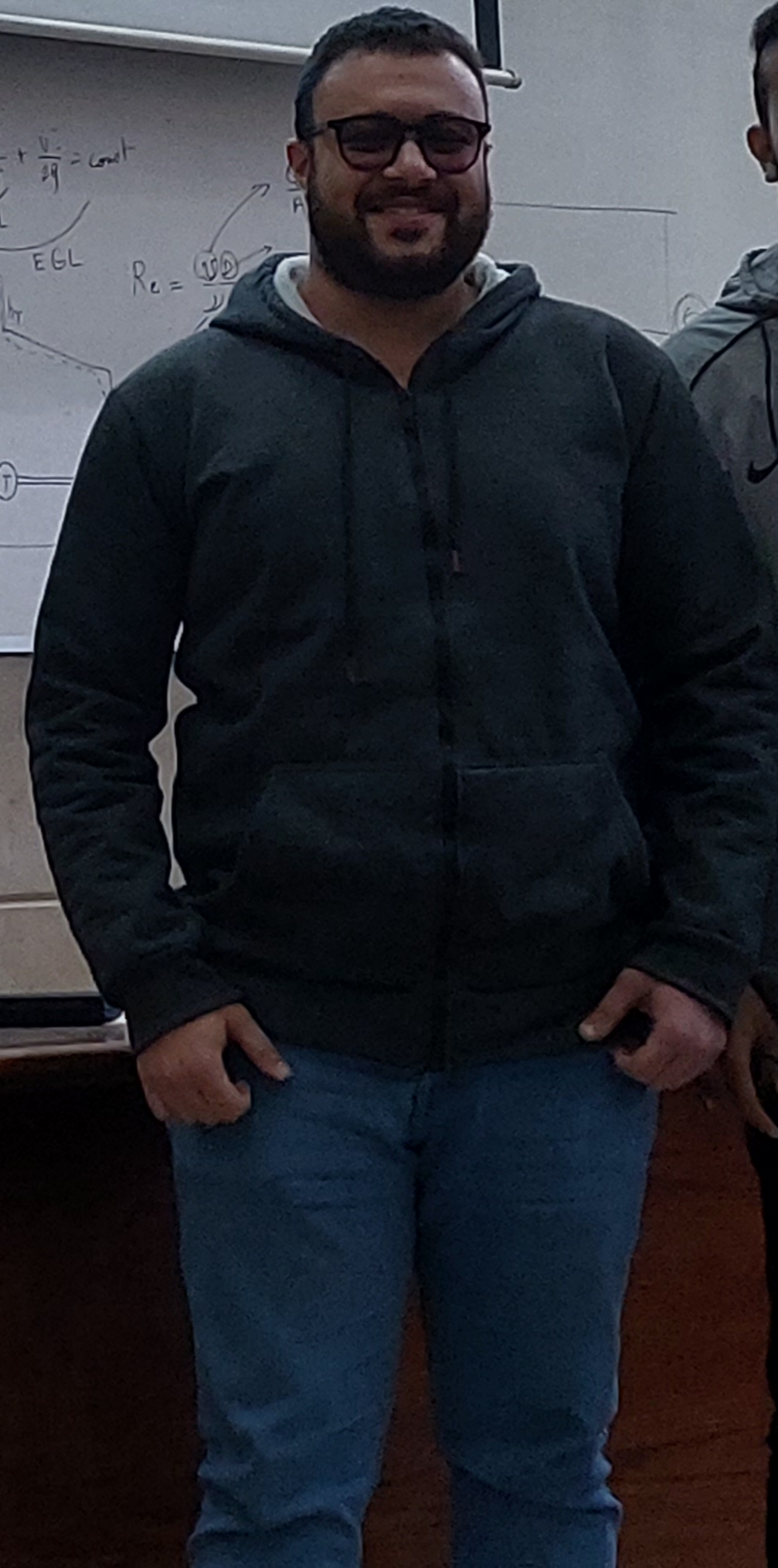
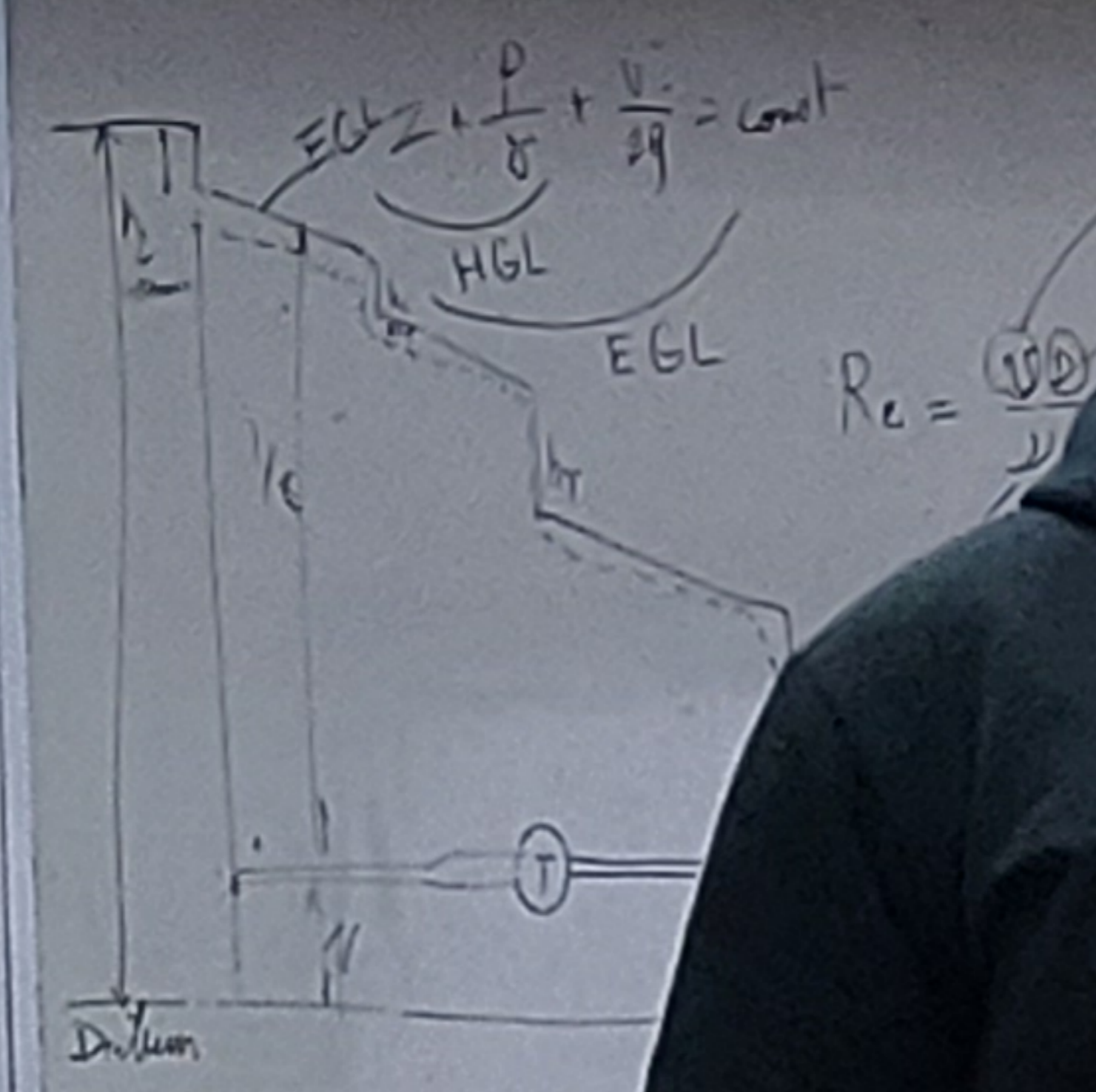
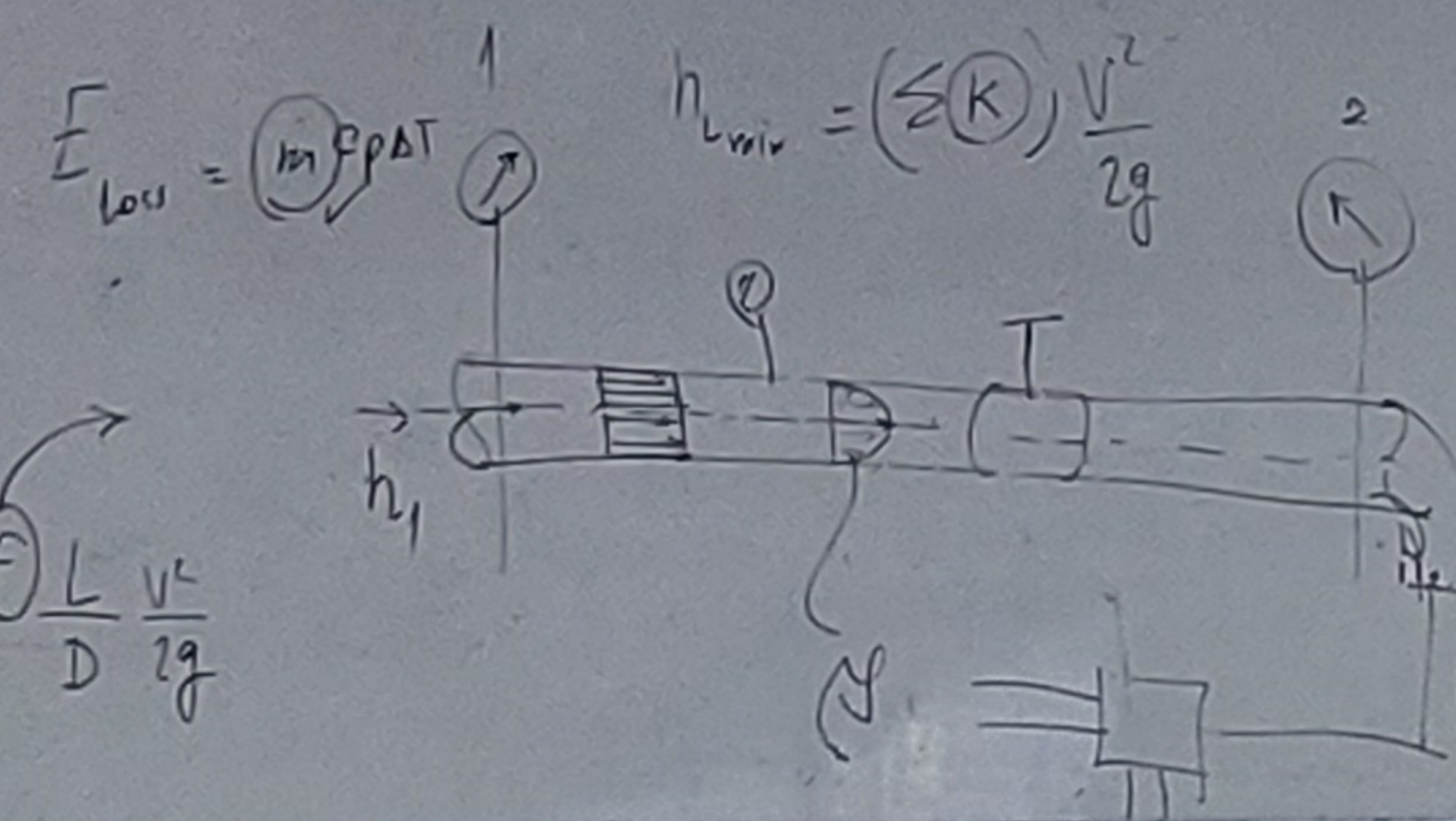
Abdullah Hani Saad
Mustafa Nasser Ahmed
Mohanad AbuElhassan AbuElmagd

$$W = E \frac{\text{Joule}}{\text{sec}} = \text{Watt}$$

$$\eta = \frac{O/P}{I/P}$$

$$\eta_m = \frac{W_{shaft}}{E_{elec}} \quad \eta_{app} = \frac{W_{fl}}{E_{elec}} < 1$$
$$\eta_p = \frac{W_{fl}}{W_{shaft}}$$

$$m = \rho Q = 50 \text{ kg/s}$$

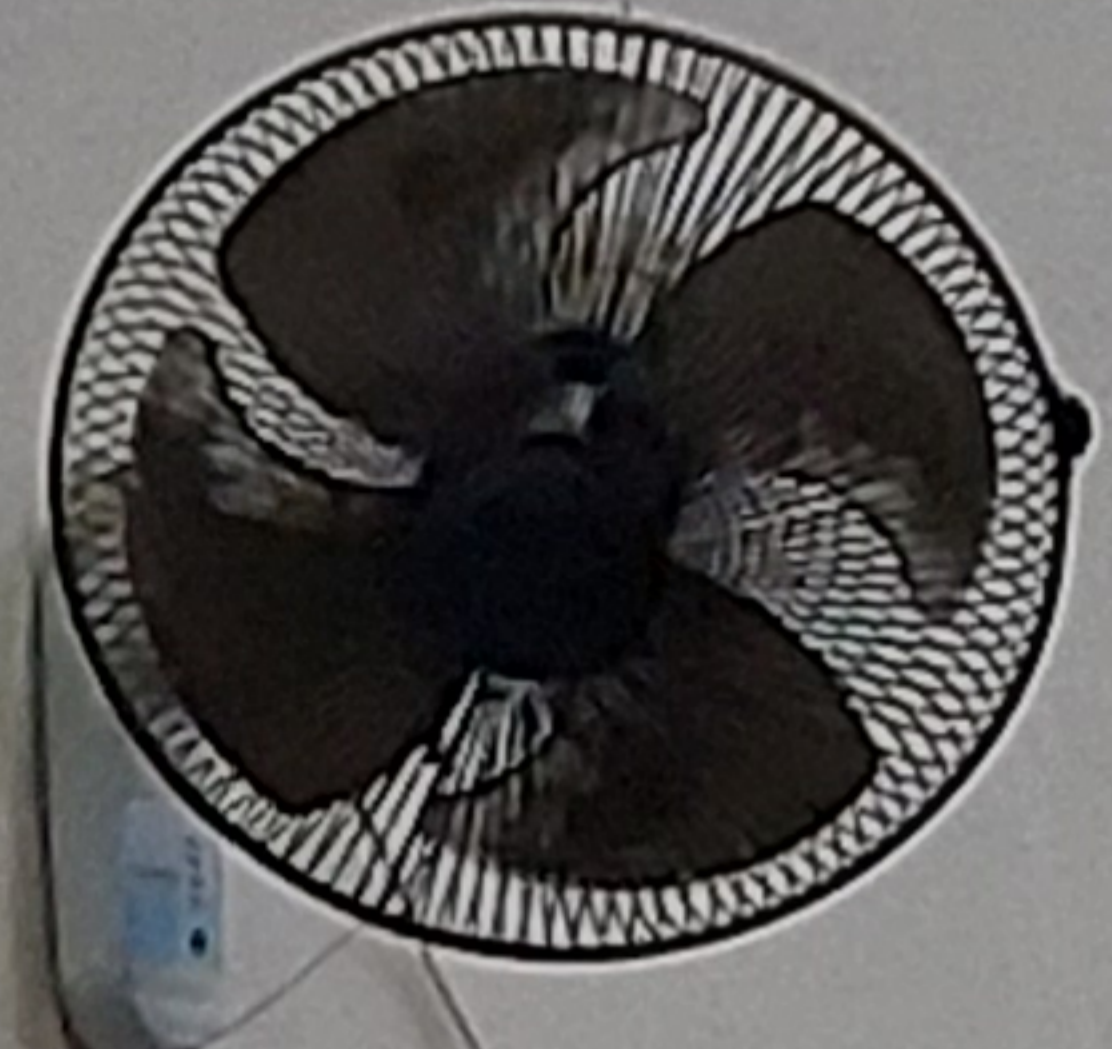
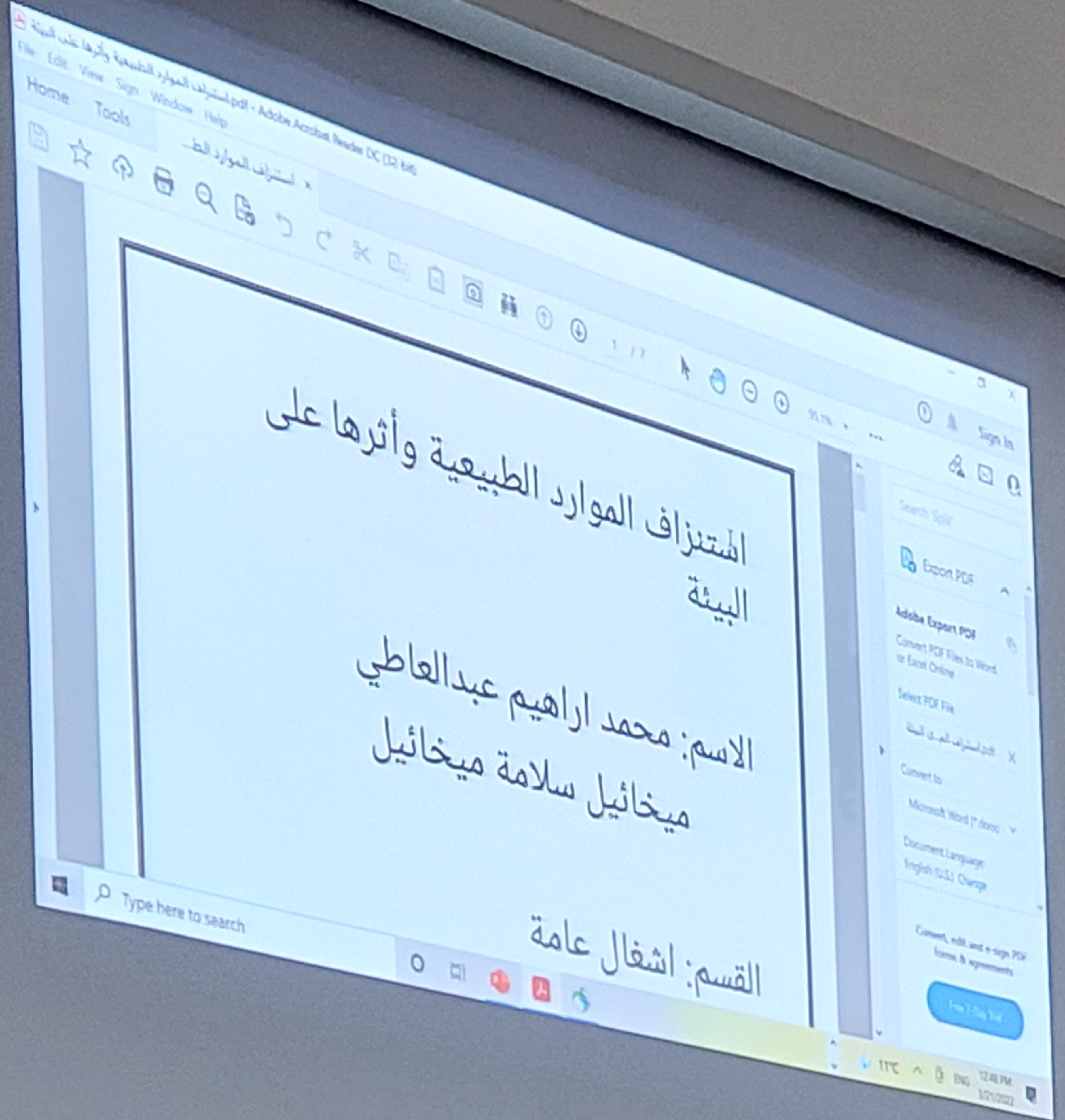


افتتازاف الموارا الطابعاة وأأأرها على الابأة

الاسم: محمد اراهم عباءعاا

مبأائل سلامة مبأائل

القسم: اشغال عابا



$m = \rho Q = 50 \text{ kg/s}$

$F_{\text{loss}} = m \rho \Delta T$

$h_{\text{min}} = \left(\sum K \right) \frac{V^2}{2g}$

