

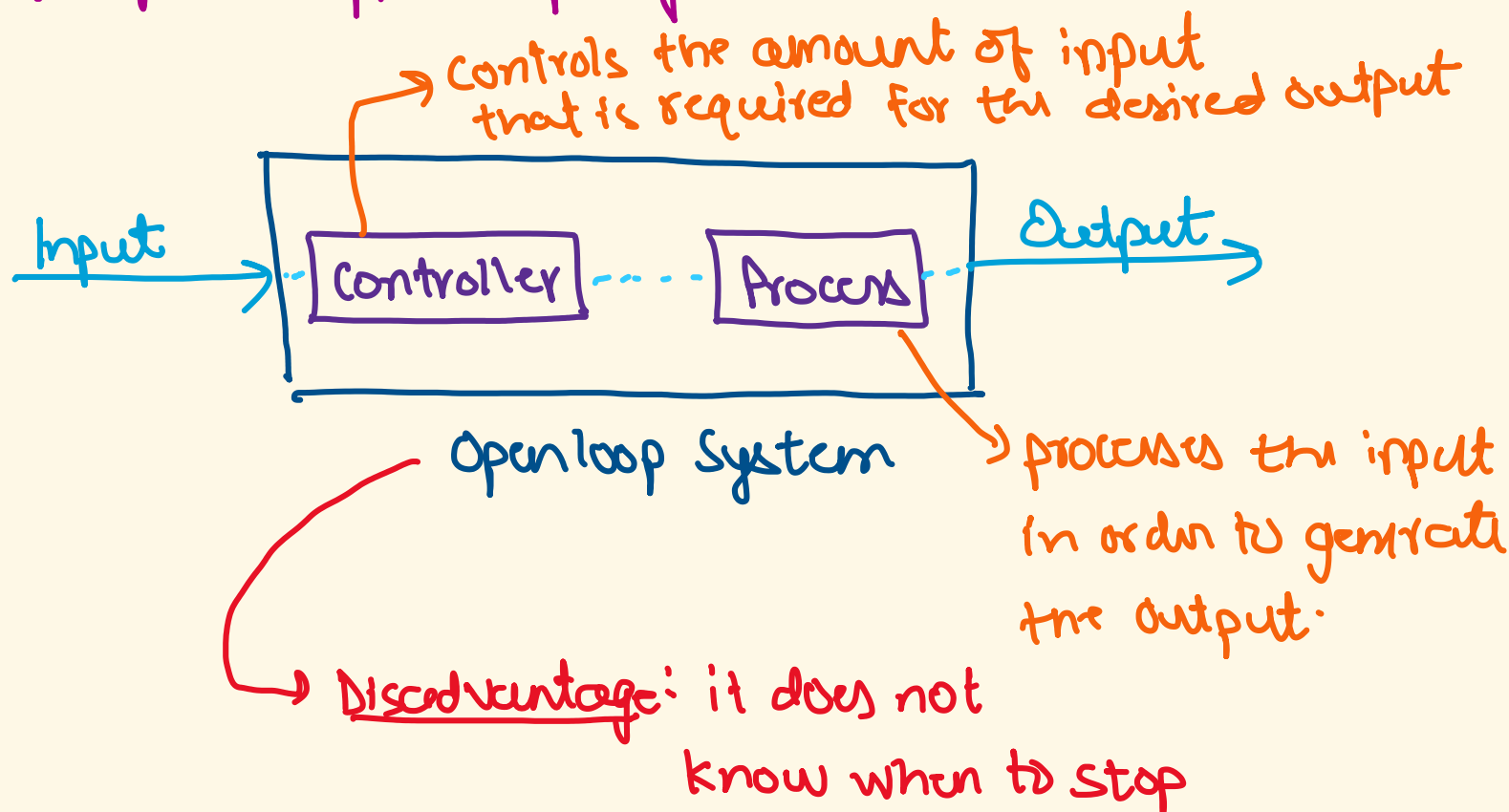
Closed Loop System

Saturday, June 14, 2025

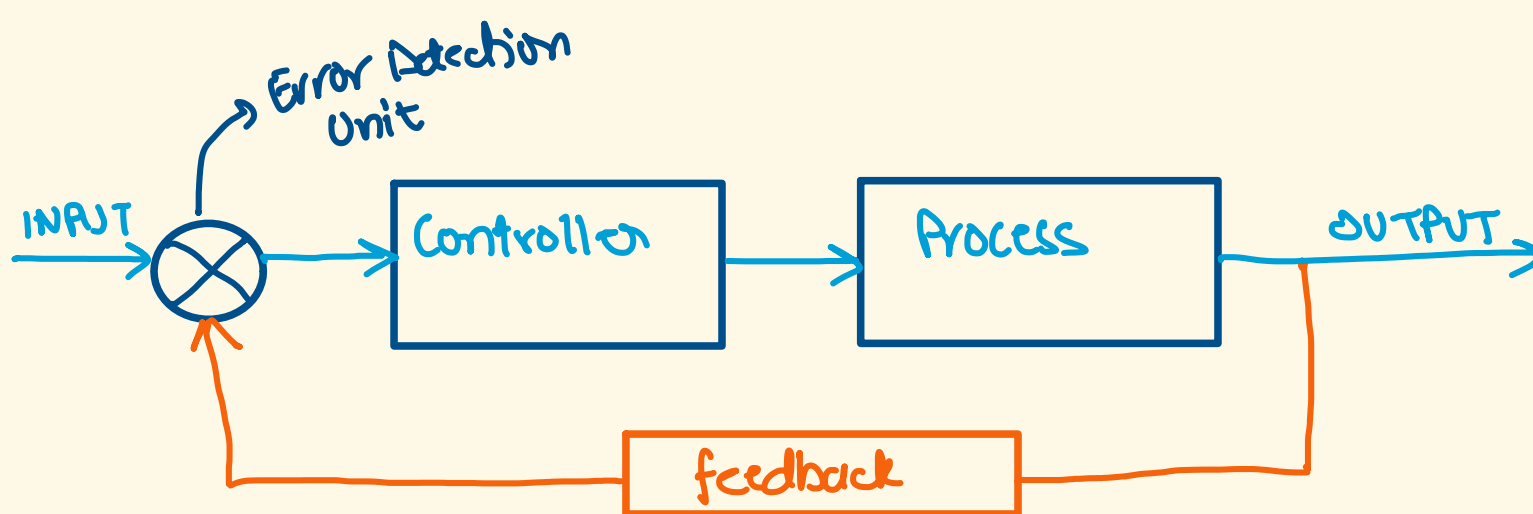
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1. Recap of Open loop System :

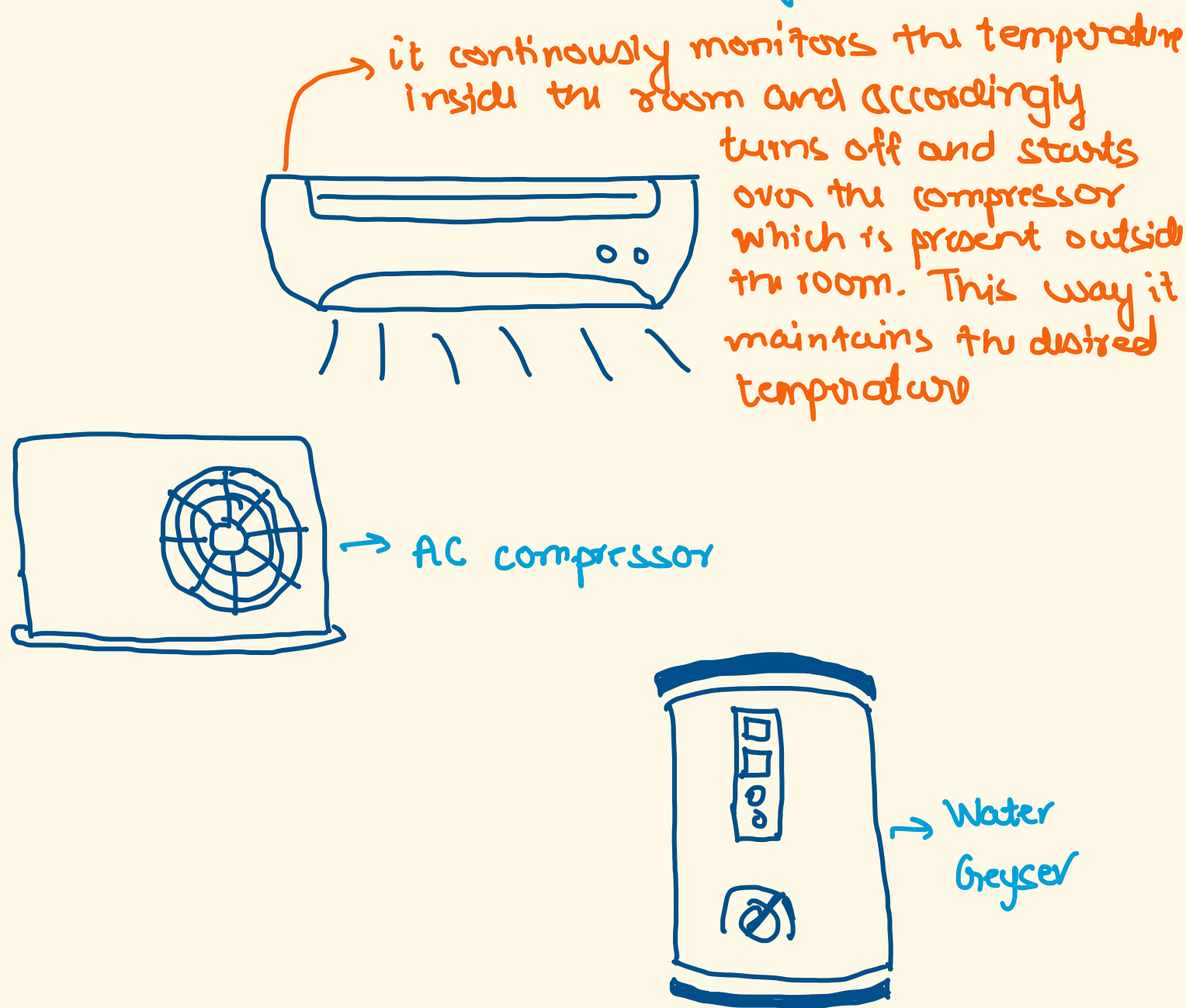


2. Introduction of closed loop system :-



- In the closed loop system, the output is measured continuously and is fed back to the output.
- The presence of feedback compensates for the disturbance and improves the accuracy of the system.

3. Example: Air Conditioner, Water Geyser



4. Comparison:

Open loop System	Closed loop System
1. Accuracy is low	1. Accuracy is high
2. Less Reliable	2. More reliable
3. Easy to design	3. Complex in design (because of feedback)
4. Less Expensive	4. More Expensive

5. References:

1. Neso Academy

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