

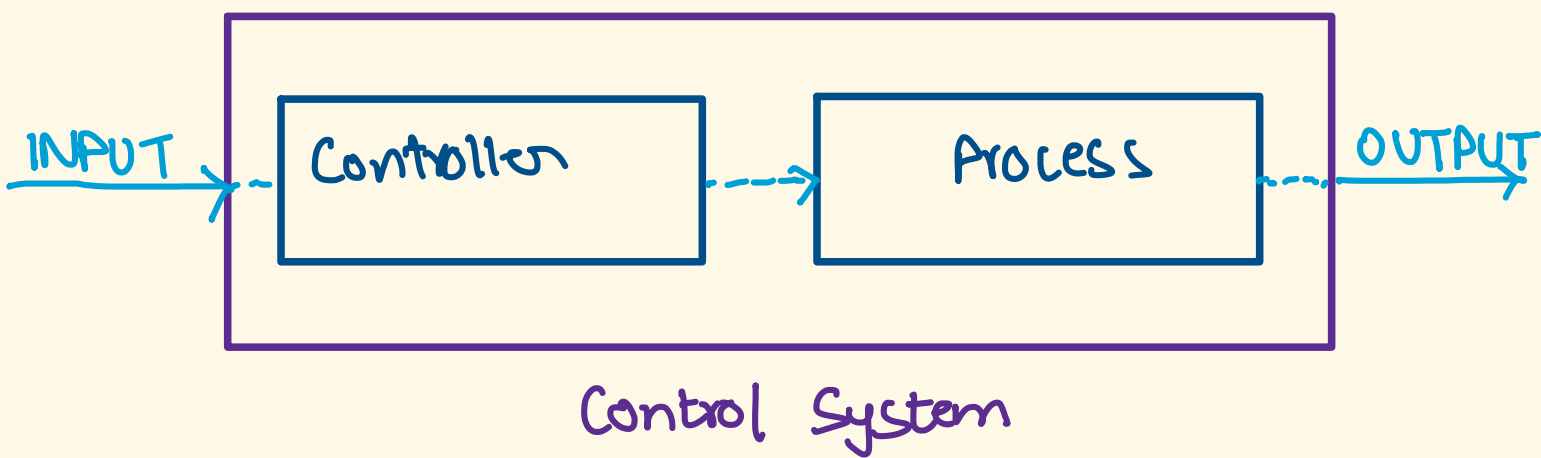
# Open Loop System

Friday, June 13, 2025

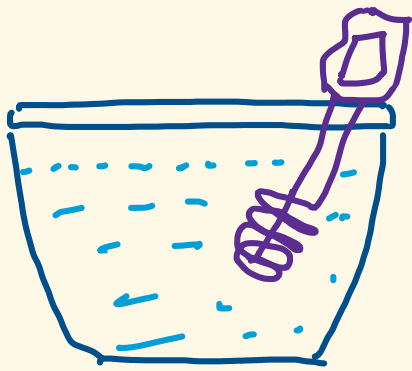
11:38 PM

Author: Kumar Anurag

## INTRODUCTION



- An open loop control system is a system in which the control action is totally independent of the output of the system.
- Example: Immersion of water heater



the water heater just heats the water but it does not know how much hot the water is.

## Advantages:

- (i) Simple in construction & Design
- (ii) Economic
- (iii) Convenient to use when the output is difficult to measure.

## Disadvantages:

- (i) Poorly Equipped to handle disturbance.
- (ii) Not reliable.

Solution to above issues: In order to solve disadvantages of open loop system, we add a feedback factor from output side to the input side.

## REFERENCES:

1. Neso Academy

— x — x THE END x — x —