# Pet Feeder System Anylysis:

Inputs:

* Device configurations
* Sensor weight
* Current time
* Battery level checker

Outputs:

* Servo
* Alert notification

Features:

* Changeable feeding times/amounts
* Low cost build

Assumptions/limitation’s:

* Low powered (battery)
* Low cost build

Problem statement:

This project is for creating a automated pet feeder that has customisable feeding amounts and feeding times. This must be low cost to produce and requires input sensors such as weight sensors, food level sensors, Realtime clock and battery sensors. It also provides outputs such as turning the servo and alert notifications.