**Problem Statement**

The local animal shelter requires a low-cost, programmable and effective feeder machine to dispense food at certain times, monitor it and alert staffs if there is any issue in the machine including leftover food or failure of the machine.

**Assumptions**.: Although this machine can be effective pet feeder machine it may have certain assumptions including basic sensors and limited memory capacity. Secondly, it can only dispense one food at a time and is designed only for dogs and cats and is totally dependent on reaction of staffs if anything goes wrong.

**Inputs and outputs:**

**Inputs:** It includes certain fixed feeding schedule fixed by user, sensors for food fitted in food bin. And weight sensor fitted under the food bowl**.**

**Outputs:** Outputs include servo motor for food dispense and effective alert system.

**Block Diagram** A diagram of a computer

AI-generated content may be incorrect.