

# PET FEEDER

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## Abstract

Today many people have pets. However, due to their busy lifestyles, they can't afford to be with the pet all the time and feed them. Sometimes they even have to be away from home for a few days. During such times, they cannot keep feeding their pet feeding. Automatic pet feeders are developed to solve the particular problem.

People can give food at any time in any amount using the pet feeder by controlling the device via the internet. A wifi server is used here to connect to the internet. An indicator is used to check the food availability, a rotating disc with a stepper motor is used to control the food amount when supplying food, and a load cell is used to detect the remaining food in the plate.

- How to feed your pet when you're not home?
- It is very important to feed your pet *at the right time with the right amount of food.*
- Remote controlled automated system for this? Convenient much?
- Will the lile cue actually eağà t what the machine gives? How to check?
- Does the machine have enough food in it? Is it time to refill?



## Features

Our automated pet feeder allows the owner to:

- control the device via internet
- get confirmaon wheàther the pet has eaten
- check if enough food is available in the reserve
- choose the size of a meal
- feed the pet at selected times



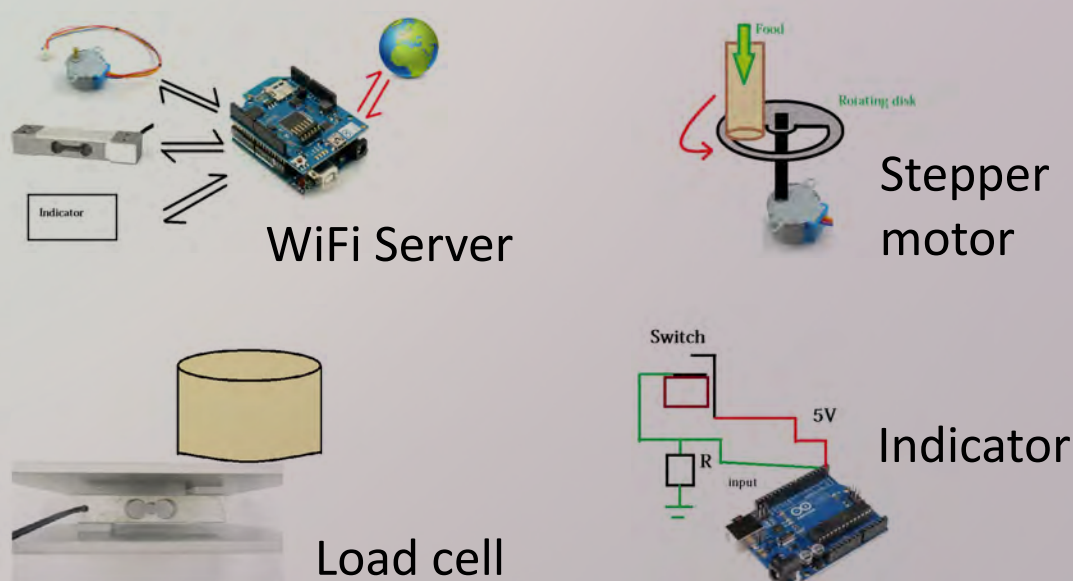
## What's already out there?

There are products in the market which are designed to keep your pet fed while you are away. However, all such products lack the following:

- They are designed to release a pre-determined amount of food at pre-determined times. No remote control
- The owner doesn't have a way to know if the pet is eating the food provided.

## Implementation

Our pet feeder consists of four main components:



## The product



Second Annual  
**Embedded System Projects Expo 2016**

presented by Third Year Students  
Department of Computer Engineering, University of Peradeniya