



*PAWSOME

Atomic Crew



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Introduction

-Having a pet is an obligation which doesn't go into waste because having a pet serves entertainment and company at home.

-Sometimes pet owners commit irresponsible deeds when it come to taking care of their pets.



*-This is where this report comes into action in which an ESP-32 based food and water dispenser can be used With the use of an ultrasonic sensor in this prototype.

Problem Statement

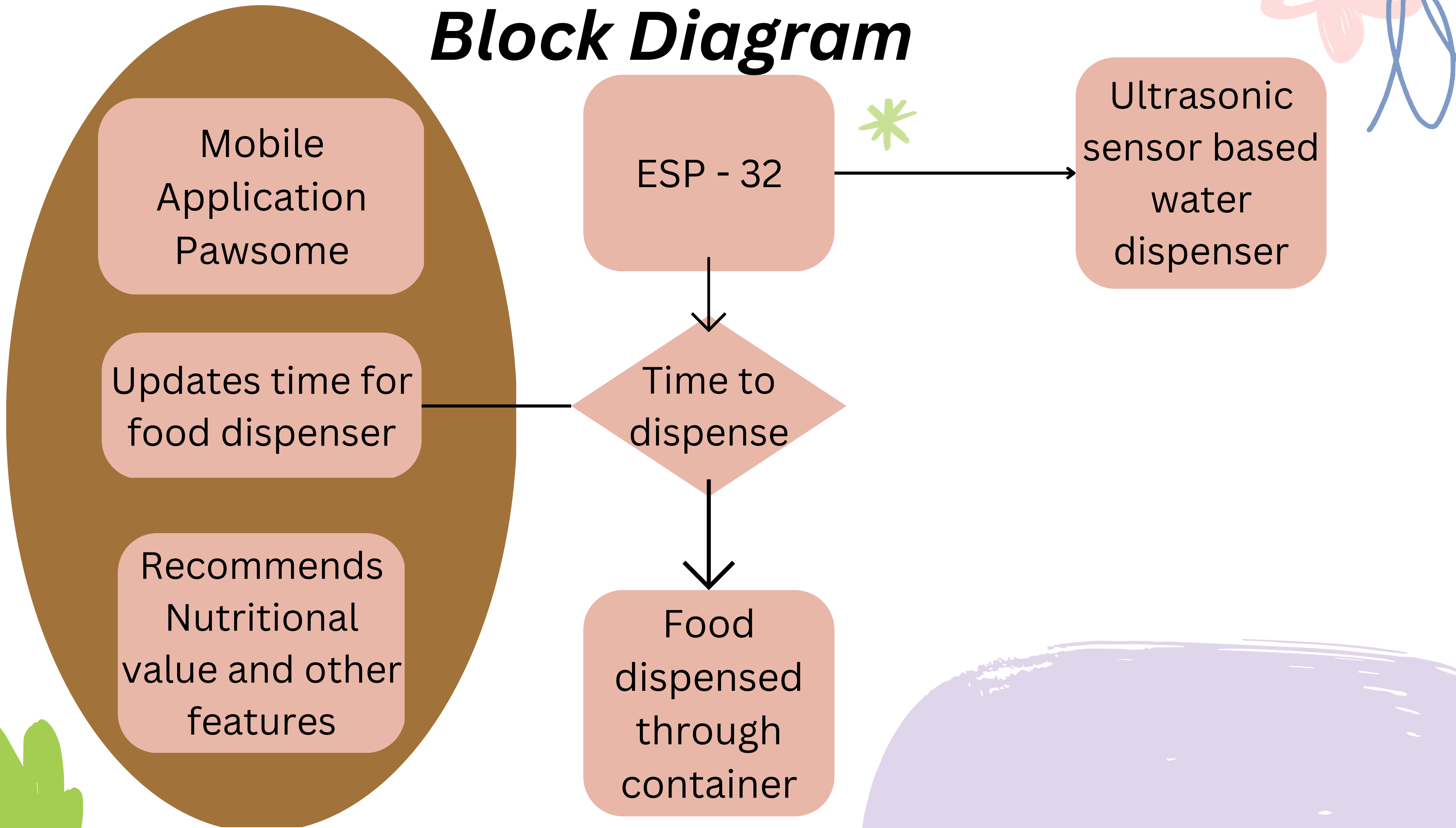


- Automated pet feeder is a product that would replace manual feeding method which can be set at a required feeding time.
- .The objective of this project is to design and develop a mechanism for pet feeder.

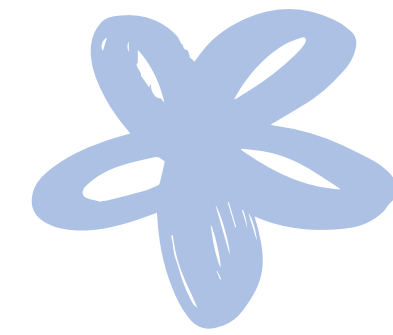
Proposed Solution

- Dispensing of water as soon  as the pet comes in front of the dispenser for water.
- Restricting the flow of water when the pet arrives in the front of the dispenser when the bowl is completely filled with water.
- Enabling the compartment containing food for the pet at the pre defined time set by the user.
- Giving the user suggestions about the pet's well being for example specifying the nutritional requirements according to the pet and its breed, vaccination schedules, the required physical activity for the pet. 

Block Diagram



Benefits Of Project



-The text-activated pet food dispenser gives the owners the power control the feeding time of their pets on the desired time they want even wherever they are as long as cellular signal is present.



-This project is IOT based project where the owner can easily gets information about pets nutritional requirements.

-Proper time management and having dependence on this kind of food dispenser may help a person become worry-free from providing proper care for pets and also prevent underfeeding of pets which causes diseases, starvation, or even death.

