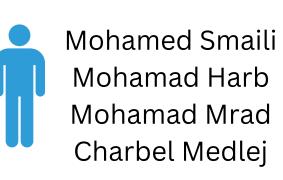
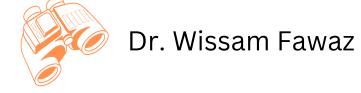
## \*Artemis: Adaptive Dependents Care System

Problem: Increase in economic crisis where both parents have to work, made it harder for them to keep an eye on their babies or pets.

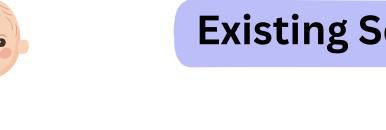
Objective: Design a device with advanced features able to track and monitor babies and pets and alert parents and individuals in abnormal situations.







## **Existing Solutions**



**Baby Monitoring** 

**System** 

Danger Zones Detection

Lacks a 2 way video feed

**Active Noise Reduction** 

the room's temperature

No Wireless technology

No monitoring for the baby nor

No lullaby sounds

No monitoring for baby's temperature

Stationary camera

**Cubo Al** 

**Face Detection** 

Sleep Report

DXR-8

2023

**Low Power** 

Consumption

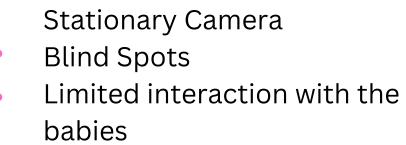


#### **Pet Monitoring System**





Pet detection Treat dispenser

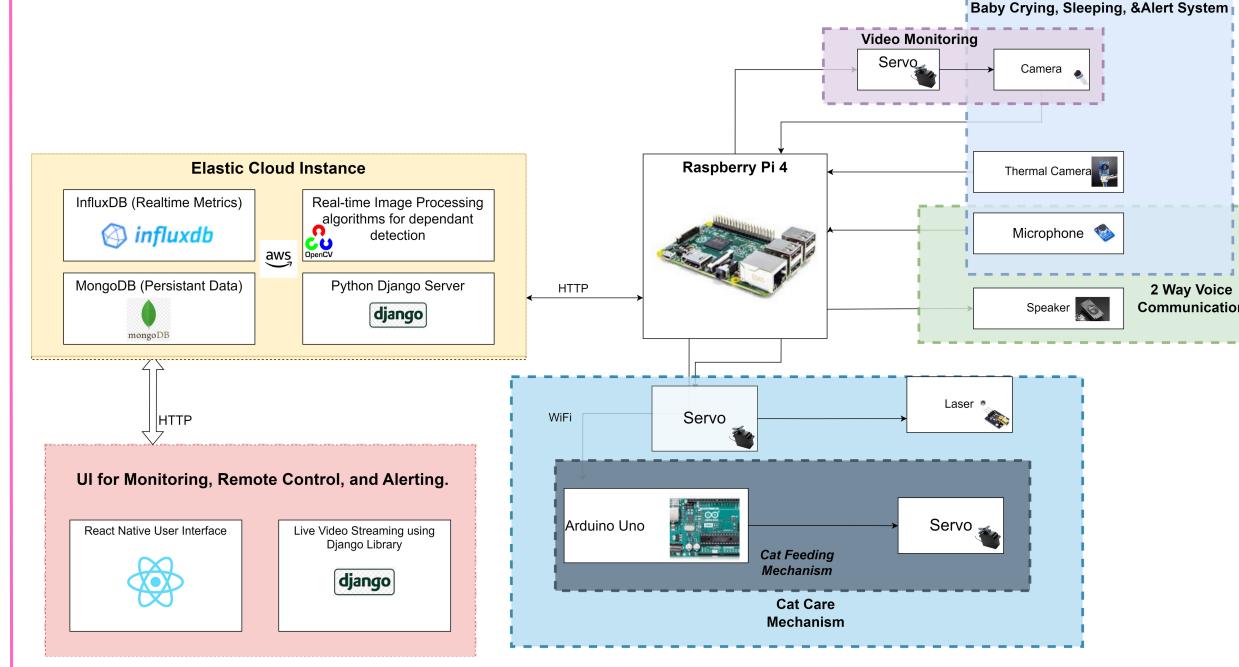






Human driven Unappealing to pets Retracted from the market

# **System Architecture**



### **Project Constraints**











**Processing time** <300 ms



#### **Modularity**



Price< 350 \$





1 baby or pet at a time





Scope

