



## **Problem Statement:**

Develop an Arduino Uno-based system using ATmega328P to design a smart pet feeder. Integrate sensors for pet presence, food level, and a servo motor to dispense pet food. Create an algorithm that enables scheduled and on-demand feeding, sends notifications to pet owners, and ensures accurate food portioning. Implement energy-efficient features and explore the possibility of remote control through a mobile application for pet owners' convenience.

## **Company name**

Onnano Technologies , Karur, Tamil Nadu