



Problem Statement:

Develop a reliable obstacle avoidance system for a drone using the Atmega328p microcontroller. The challenge is to design and implement an intelligent algorithm that processes data from various sensors (such as ultrasonic sensors, infrared sensors, or cameras) to detect obstacles in real-time and adjust the drone's flight path accordingly. The system should operate seamlessly in different environmental conditions and provide accurate and timely feedback to ensure safe navigation, particularly in scenarios where traditional GPS-based navigation may be limited or unavailable.

Company name

Onnano Technologies , Karur, Tamil Nadu