



Problem Statement:

Design a smoke detection system using ATmega328P to enhance fire safety in residential and commercial environments. Integrate smoke sensors and an alarm system with the microcontroller. Develop an algorithm that continuously monitors the smoke sensor readings, triggers an alarm in case of detected smoke, and provides real-time notifications to residents or authorities through various communication channels. Implement power-efficient modes, self-diagnostics, and user-friendly features to ensure reliable and effective smoke detection in diverse environments.

Company name

Onnano Technologies , Karur, Tamil Nadu