



Problem Statement:

Develop an intelligent and adaptive traffic light control system using the Atmega328p microcontroller, which can dynamically adjust signal timings based on real-time traffic flow, pedestrian activity, and emergency vehicle presence. The system should prioritize efficient traffic management, reduce congestion, and enhance overall road safety. Implement communication protocols to facilitate coordination between adjacent intersections and integrate features such as countdown timers and sensors to enhance the effectiveness of the traffic light system in urban environments.

Company name

Onnano Technologies , Karur, Tamil Nadu