



## **Problem Statement:**

Develop an intelligent camera system using the Atmega328p microcontroller to address the challenge of low-power image processing for surveillance in remote or off-grid locations. Design a camera module that efficiently captures and analyzes images, incorporating features such as motion detection, object recognition, and low-light sensitivity. The goal is to create a robust solution that balances image processing capabilities with power efficiency, making it suitable for deployment in scenarios where continuous monitoring is essential but access to a stable power source is limited.

## **Company name**

Onnano Technologies , Karur, Tamil Nadu