Motion Detection Car using WiFi Cam and NodeMCU

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Abstract: *Our project combines a WiFi camera and NodeMCU-controlled car to establish an intelligent surveillance system. The WiFi camera captures and streams real-time video to a server while a NodeMCU-controlled car autonomously responds to detected motion. When motion is identified, the system instructs the car to investigate the source, offering a dynamic approach to surveillance. This innovative solution presents cost-effective and flexible applications across diverse environments, including homes, offices, and outdoor spaces. It harnesses the power of WiFi technology for efficient video streaming and integrates motion-based control for enhanced security and responsiveness. The system's adaptability and real-time monitoring capabilities make it a practical choice for a wide range of surveillance needs, ensuring both convenience and peace of mind for users.*

Keywords: Surveillance, WiFi Camera, NodeMCU, Motion Detection, Autonomous Response, Real-time Monitoring

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