

Bridge Monitoring and Alert Generation System Using IoT

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Abstract: Bridge monitoring systems are essential for maintaining structural integrity and ensuring public safety. They utilize sensors, data collection units, and alert management systems to detect anomalies like vibrations, cracks, and load pressures. This paper delves into the technology behind bridge monitoring, examines real-time alert management systems, explores key applications, and addresses the challenges of developing efficient and scalable monitoring solutions. The study concludes with recommendations for future innovations aimed at improving the reliability of bridge monitoring systems

Keywords: Bridge monitoring systems

