

Smart Parking Management System

Dr. M Murali, Ranabothu Sandeep, Akiti Rohith Reddy, V. Shiva

Pachimatla Sanjay, Pulipati Naresh

CSE-IOT

ACE Engineering College, Hyderabad, India

Abstract: *The Smart Parking Management System (SPMS) is an innovative IoT-based solution designed to address the escalating parking challenges in urban environments. By leveraging technologies like IoT, cloud computing, and real-time analytics, the system automates parking space monitoring, availability tracking, and user communication through a mobile application. SPMS enables users to locate, reserve, and pay for parking seamlessly while optimizing resource usage and reducing traffic congestion. Integration of RFID and License Plate Recognition ensures secure, automated entry and exit. Additionally, sensors such as fire and rain detectors enhance safety, making SPMS a scalable and eco-friendly model for modern smart cities.*

Keywords: *Smart Parking Management System*

