

Review Paper on Smart Parking Systems

Hannah M. Joseph¹ and Aswathy A. L.²

M.Tech Student, Department of Computer Science¹

Assistant Professor, Department of Computer Science²

Lourdes Matha College of Science and Technology, Trivandrum, Kerala, India

Abstract: *The increase in population has resulted in an increase in the number of automobiles. This has made the task of finding a parking spot difficult. According to recent studies, about 40% of the traffic volume is made up of vehicles cruising to find a parking spot. The aimless drive-in search for a parking spot can result in traffic congestion, an increase in air pollution and wastage of time and fuel. The solution for this problem is a smart parking system. This system would provide the user the capability to view the parking slots availability in a place or book a slot in advance. Smart parking facilities have always been the core of constructing smart cities. They are an ideal solution for decreasing urban traffic and pollution. Smart parking systems can be implemented in shopping areas, institutions, and airports to facilitate hassle free parking.*

Keywords: Smart Parking System, IoT

REFERENCES

- [1]. Canli, H. and Toklu, S., 2021. Deep learning-based mobile application design for smart parking. IEEE Access, 9, pp.61171-61183.
- [2]. Anand, A., Kumar, A., Rao, A.M., Ankesh, A. and Raj, A., 2020, December. Smart Parking System (S-Park)– A Novel Application to Provide Real-Time Parking Solution. In 2020 Third International Conference on Multimedia Processing, Communication & Information Technology (MPCIT) (pp. 93-96). IEEE.
- [3]. Rizvi, S.F.H., Shams, R., Fattani, M.T. and Siddique, A.A., 2022, February. A Cloud Based Smart Parking System. In 2022 Global Conference on Wireless and Optical Technologies (GCWOT) (pp. 1-5). IEEE.
- [4]. Elakya R, Juhi Seth, Pola Ashritha, R Namith, Smart Parking System using IoT.
- [5]. Pomaji, A., Boinwad, S., Wankhede, S., Singh, P. and Dhakulkar, B., 2019. Smart parking management system.
- [6]. Ismail, M.M.S., Jusoh, M., Sabapathy, T., Osman, M.N., Rahim, H.A., Yasin, M.N.M. and Fazilah, A.F.M., 2019, December. IoT Based Smart Parking System. In Journal of Physics: Conference Series (Vol. 1424, No. 1, p. 012021). IOP Publishing