A

Project Report

On

SMART PARKING SYSTEM USING IOT

Submitted to

Department of
Computer Science and Engineering

By

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Under the guidance

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project entitled **"SMART PARKING SYSTEM USING IOT"** is submitted by BOINI NIHARIKA(206Y1A0513), KODARI PRASANNA(206Y1A0544), ERRALA MANICHANDANA(206Y1A0525) and CHITTIMALLA SANJNA(206Y1A0521) to the department of Computer Science and Engineering during academic year 2022-23.

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ABSTRACT

The project entitled SMART PARKING SYSTEM USING IOT, the major motivation of this project is to reduce the traffic congestion in roads, multi-storeyed buildings and malls due to unavailability of parking spaces. The project displays the nearest empty slot if present with respect to user location. Our project aims to make efficient use of parking spaces. We track vacant slots in the parking space and assign that to the user. Smart parking system as described above can lead to an error-free, reliable, secure and fast management system. In recent times the concept of smart cities have gained great popularity.

Thanks to the evolution of the Internet of things the idea of smart city now seems to be achievable. Consistent efforts are being made in the field of IoT in order to maximize the productivity and reliability of urban infrastructure. Problems such as, traffic congestion, limited car parking facilities and road safety are being addressed by IoT.

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