DR. AMBEDKAR INSTITUTE OF TECHNOLOGY

(An Autonomous institute affiliated to Vishvesvaraya Technology University, Belagavi, Accredited by NAAC, UGC with 'A' Grade) Near Jnana Bharathi Campus, Bengaluru – 560056

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)

"INTERNET OF THINGS (IOT)"

(SUBJECT CODE – **21CST702**)

MINI PROJECT REPORT

On

"AUTOMATED CAR PARKING SYSTEM"

Submitted in partial fulfilment of award of the degree of

BACHELOR OF ENGINEERING

SEMESTER: 7

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SUBMITTED BY: -

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Certificate

Certified that the project work entitled "Automated car parking system," carried out by Hajaratali S. Mogalalli, bearing USN: 1DA22CS409, Arun G. Koravanavar, bearing USN: 1DA21CS027, Arya N. D., bearing USN: 1DA21CS028, Bharatkumar N. Medegar, bearing USN: 1DA21CS033, Arjun Singh Pundir, bearing USN: 1DA21CS026, Ayushman Sharan, bearing USN: 1DA21CS029, Abhay Singh, bearing USN: 1DA21CS004, and Akhil Kumar Tiwari, bearing USN: 1DA21CS014, Bonafide students of Dr. Ambedkar Institute of Technology, Bangalore – 560056, in partial fulfillment for the award of Bachelor of Engineering in **Computer Science and Engineering** of the Visvesvaraya Technological University, Belagavi, during the year 2022–2023. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements.

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ABSTRACT

Automated car parking systems are a smart solution to parking problems. By utilizing advanced technology to park and get back cars without needing a lot of space. These systems have many benefits. They make better use of space, save money on running them, improved environmental outcomes through decreased vehicle emissions and energy consumption and improve traffic flow by reducing congestion. They also make parking quicker and safer for people, as they don't need someone to do it for them. These systems are great for busy cities, buildings, and places like hospitals or entertainment spots. As cities get busier and need better parking, automated systems are a smart choice to make parking easier and more efficient. This project explores the key features, advantages, and diverse applications of automated car parking systems, highlighting their potential to change urban parking infrastructure.

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