DECLARATION

I, the students enrolled in the **fourth** semester of the M. Tech program in **Computer Science & Engineering** at CSMSS Chh. Shahu College of Engineering, Chhatrapati Sambhajinagar, hereby asserts that our project work titled "**Cashless Transport System**" submitted to Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, during the academic year **2022-23 Part - II**, represents original research conducted by me.

This project work is presented as a partial fulfillment of the requirements for the Bachelor of Technology degree in **Computer Science & Engineering**. The findings presented in this report have not been previously submitted to any other University or Institute for the purpose of obtaining any degree.

Roll No.	Name of the student	PRN No.	Signature
MTCS2106	Miss. Priyanka D. Ingale	2125332242008	

Place: Chhatrapati Sambhajinagar
Date:

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Miss. Priyanka D. Ingale (MTCS2106)
M. Tech. (Computer Science & Engineering)

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ABSTRACT

In the modern world, the public transportation system is just as smart as the metro. The country's need for an intelligent transportation system is being driven by requirements such as passenger safety, convenience, and the need to enhance the efficiency of the current public transportation system. It has been discovered that one of the main causes of significant economic loss in India is the paper- based ticket system for collecting bus fares. It is challenging to make sure that every passenger purchases a ticket. Passengers lose the use of a paper ticket when the destination is reached. In addition; conductors have trouble uploading ticket transaction data within a day. Sometimes broken extra took place. Even the number of unsold tickets on a daily basis is fairly significant. In the technological age, India has been focusing on developing an automated bus fare collection system. Therefore, this study suggests an automated card- driven system that makes use of GPS and RFID. For Indian bus travel. With the app, users can keep tabs on the location of the bus and its passenger count. The effort suggests the cashless payments and ticket without paper.

Keywords: ESP 8266, RFID, GPS, Public transport, Bus Fare.