

# Smart Toll Collection System

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**Abstract:** Toll collection is an essential part of modern transport systems, but traditional methods cause slow queues, delay, and inefficiency. Our project aims to automate toll collection through RFID (Radio Frequency Identification) technology, which will make it faster, intelligent, and efficient. In this system, each vehicle is fitted with a Radio Frequency Identification (RFID) tag containing individual identification data. When a vehicle approaches the toll booth, an RFID reader scans the tag, verifies the account balance, and automatically deducts the toll if the vehicle is authorized. If the transaction is successful, the system triggers a servo motor to open the barrier, thereby enabling the vehicle to pass without stopping. An LCD display gives real-time feedback, including balance status and transaction data.

**Keywords:** Radio Frequency Identification

