IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 2, June 2023

Automatic Fare Debit Machine

Prof. Snehal Gholap¹, Atharva Pawar², Pruthviraj Shelake³, Prakash Puri⁴ and Baliram Patil⁵

Professor, Department of Mechanical Engineering¹ Students, Department of Mechanical Engineering^{2,3,4,5} Pravara Rural Engineering College, Loni, India

Abstract: Traveling with public transport is one the key feature for government to make their state publicity and attract tourist and one of the cheapest of transportation for the citizen in that country or region so to make the facility easy that what are going through so we are with our project of "Automatic fare debit machine" system. As we are traveling with public transport like bus, train etc. Especially traveling with bus, we face a main problem for fare debiting or fare deduction and because which our "laalpari" face the loss which is never recovered and because of which see didn't get their salary on time and it is not the fair salary as other government servant. And due to which we came to know about a lot of death of many employees of M.S.R.T.C. With our project we can overcome the loses and make the traveling for the passenger flexible and more enjoyable so that they can travel and enjoy their ride and with this we can also overcome the loses and make the public transportation profitable and avoid suicide of employees due to salary issue.

Keywords: Fare, Debit, QR System, Interface

REFERENCES

[1] Automatic Fare Collection System for Public Transport Corporation Using Fingerprint Recognition with Help of UIDAI A. Sri Hari Krishna, D.M. Mahalakshmi, P. Sweety Jose Dept of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore, India

[2] Passenger Journey Destination Estimation from Automated Fare Collection System Data Using Spatial

Validation António A. Nunes, Teresa Galvão Dias, and João Falcão e Cunha, Senior Member, IEEE

[3] Metro Automatic Fare Collection System Safety and Security Zhongliang Liu, Shifeng Liu, Tiedong

[4]In Beijing AFC system, both Philips® Ultralight and Mifare 1K smartcard are utilized. For Ultralight smartcard, it is the limited memory for single journey ticket, which is 512 bytes of Electrically Erasable Programmable ReadOnly Memory (EEPROM).

[5] Tenzin Choesang Computer science department Tulas institute QR-CODE BASED MOBILE TICKETING FACILITY, Date: 14.09.2018 http://www.delhimetrorail.com

[6] Automatic Fare Collection Systems Market Research Credible Markets, 99 Wall Street 2124 New York, NY 10005 Website: https://www.crediblemarkets.com, Email sales@crediblemarkets.com US Phone- +1(929)-4502887

[7] Bus Ticket System for Public Transport Using QR Code, C.UPENDRA REDDY1, D.L.S.VARA PRASAD REDDY, Dr N.SRINIVASAN, ALBERT MAYAN J3, International Conference on Frontiers in Materials and Smart System Technologies, IOP Conf. Series: Materials Science and Engineering 590 (2019) 012036, IOP publishing doi:10.1088/1757-899X/590/1/012036

[8] Miss. Mohini S. Shirsath ,Pooja M. Chinchole,Vaishnavi R. Mahajan, Varsha G. Mogal, Smart Bus Ticketing System using QR- Code,Volume: 05 Issue: 03 | Mar-2018 ,Department of Information Technology Engineering ,Matoshri College of Engineering and Research Centre, Eklahare , Nashik , India

[9] Paytm & Hyderabad Metro tie up for QR-based tickets, Posted by Sumit Arora March 8, 2020,https://currentaffairs.adda247.com/paytm-hyderabad-metro-tie-up for-qr-based-tickets/

DOI: 10.48175/IJARSCT-11369



409