



# International Journal of Innovative Research in Computer and Communication Engineering

(A High Impact Factor, Monthly, Peer Reviewed Journal)

Website: [www.ijirccce.com](http://www.ijirccce.com)

Vol. 6, Issue 12, December 2018

## Smart System of Using E-License

Yukta Gajare<sup>1</sup>, Pragati Bhor<sup>2</sup>, Ashwini Nalawade<sup>3</sup>, Reetika Randhanvan<sup>4</sup>, Priti Kudal<sup>5</sup>

Third Year Students, Department of Computer Engineering, Guru Gobind Singh Polytechnic, Nashik, India<sup>1-4</sup>

Sr. Lecturer, Department of Computer Engineering, Guru Gobind Singh Polytechnic, Nashik, India<sup>5</sup>

**ABSTRACT:** Nowadays, always require to carry license and other documents which one might forget. If conveyance is purloined information can be falsified, as conveyance document are just a piece of paper. In lieu of owner carrying the documents, the conveyance will help to identified its rightful owner. This way conveyance information cannot be altered or modified.

**KEYWORDS:** RFID, Sensor, wireless scanner, etc.

### I. INTRODUCTION

Current scenario is that people use to carry license, that card. When Traffic police halts for verifying people come across of many issues like License stolen, Misplaced, theft, torn, etc. So System is proposed to prepare an E-License System which will overcome above mentioned issues. This system uses, RFID card, Reader, etc.

RFID reader emits electromagnetic waves around itself. Whenever an RFID tag is detected by a reader, it sends back unique id which is present within the tag. This is a unique code, which acts like an identification number to the tag. The reader can only read tag, but it is not able to manipulate the information sent by tags. It needs some support of an intelligent device, which is nothing but a computer. Computer processes the information sent by reader and stores the information into a database. In order to transmit data, the reader can connect with the computer network through a standard interface, and transmits the read data to the computer through the network to analysis and process [7]. The middleware, application which lies between reader and the computer hardware system, fetches the records from the database. Radio frequency identification (RFID) employs wireless communications between electronic tags and readers that reads/writes information from/to the tag. RFID readers are available as single tag reader or multitag reader. Single tag reader can read only one tag at a time, unlike multitag reader which can simultaneously read many tags. There are also variations available such as wired or wireless reader, which could be preferred as per the need of the application.

### II. RELATED WORK

This proposed system gives the idea of using E-License. It will work as follows:

1. Conveyance will be fitted with perspicacious card.
2. The perspicacious card will contain utilizer information (denomination, conveyance registration details, photos of owner etc).
3. When police will halt you for verification, they will scan the conveyance.
4. They will have wireless scanner which will read the information from conveyance and present it to the police for verification.
5. This preserve the time, efforts which are wasted in verifying paper.

# International Journal of Innovative Research in Computer and Communication Engineering

(A High Impact Factor, Monthly, Peer Reviewed Journal)

Website: [www.ijirccce.com](http://www.ijirccce.com)

Vol. 6, Issue 12, December 2018

- **Flow Diagram:**

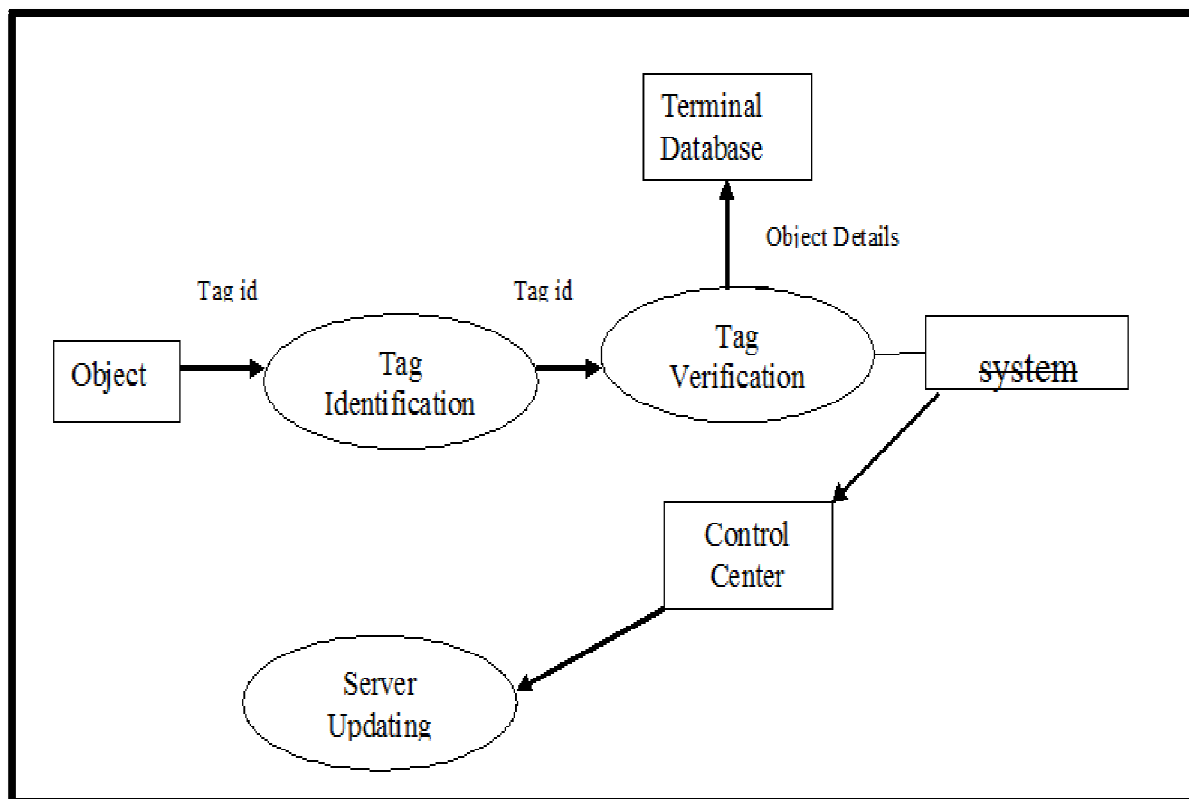


Fig 1: .Block Diagram of Proposed System

As shown in Fig1,tags will be used as License with unique Identification number. Database having details of customer and vehicle will be available in control center.

When a person will be asked for License by Traffic Police, he/she with reader will read a card and all the details will appear at traffic police end.

- **RFID:**

RFID provides a strong alternative to present Barcode technology. The challenges faced by barcode are given below:

1. Barcode is simply a printed paper.
2. The information could get wiped away, washed away.
3. It could be easily tampered.
4. Duplicate barcode could be created by photocopying.
5. They are not weather (climate) resistant.
6. Barcode requires a line of sight, for proper reading.
7. Any obstacle would make it impossible to
8. The technology is no longer reliable.

Features of RFID that overcome challenges of barcode:

1. RFID doesn't require line of sight.
2. RFID could read tags through the obstacle.
3. RFID is weather resistant, tamper proof.



# International Journal of Innovative Research in Computer and Communication Engineering

(A High Impact Factor, Monthly, Peer Reviewed Journal)

Website: [www.ijircce.com](http://www.ijircce.com)

Vol. 6, Issue 12, December 2018

4. RFID proves to be a reliable technology.

## III.RESULT

The wireless scanner will be read the perspicacious card information without making any contact with the conveyance. So the process will be easy.

## IV.CONCLUSION

This Paper presents the idea of E-License.It will be easy to carry E-License instead of paper which will avoid issues of tear-of ,their of license,misplaced,etc.

## V.ACKNOWLEDGMENT

We would like to show our sincere gratitude towards Prof. P.B.Kudal, Professor, Department of Computer Engineering, Guru Gobind Singh Polytechnic,Nashik for her valuable guidance throughout study of our work and to keep us motivated.

## REFERENCES

- [1] Anwaar Al-Lawati, Shaikha Al-Jahdhami, Asma Al-Belushi, Dalal Al-Adawi, MedhatAwadalla and Dawood Al-Abri, "RFID-based System for School Children Transportation Safety Enhancement", Proceedings of the 8th IEEE GCC Conference and Exhibition, Muscat, Oman, 1-4 February, 2015.
- [2] Chao Wang, Xi Li1, Aili Wang, Feng Yang, Xuehai Zhou, "An Intelligent Transportation System using RFID based Sensors" 2013 IEEE International Conference on High Performance Computing and Communications & 2013 IEEE International Conference on Embedded and Ubiquitous Computing, 2013.
- [3] Ricardo O. Mitchell, Hammad Rashid, Fakir Dawood & Ali AlKhalidi, "Hajj Crowd Management and Navigation System - People Tracking and Location Based Services via Integrated Mobile and RFID Systems", 2013.
- [4] XUE Xiao-ping, MEI Su-ping, CHEN Chen-hui , ZHANG Hai-juan "RFID and ATIS Information System based Railway Container Transportation Management" in The 1st International Conference on Information Science and Engineering, ICISE2009.
- [5] Hiroaki Togashi, Shigeki Yamada, "An Information provision system based on a Multi-Hop RFID scheme for ITS (Intelligent Transportation System)" in 2010 IEEE Conference on Open Systems (ICOS 2010), December 5-7, 2010.
- [6] QiuXinyun, Xiao Xiao, "The Design and Simulation of Traffic Monitoring System Based on RFID" in IEEE, 2014.
- [7] Alwyn J. Hoffman, Daniel J. S. Geldenhuys and Albertus B. Pretorius, "Securing Number plates based on Digital Signatures and RFID", Proceedings of the 16th International IEEE Annual Conference on Intelligent Transportation Systems (ITSC 2013), The Hague, The Netherlands, October 6-9, 2013.
- [8] "RFID Technology Principles, Advantages, Limitations & Its Applications",Mandeep Kaur, Manjeet Sandhu, Neeraj Mohan and Parvinder S. Sandhu,International Journal of Computer and Electrical Engineering, Vol.3, No.1, February, 2011 1793-8163.
- [9] "A Survey paper on RFID Technology, its Applications and Classification of Security/Privacy Attacks and Solutions",Ms.NehaKamdar, Assistant Professor Vinita Sharma, Assistant Professor SudhanshuNayak, Assistant Professor,Dept of Computer Science, MIST Indore, India,IRACST - International Journal of Computer Science and Information Technology & Security (IJSITS), ISSN: 2249-9555 Vol.6, No4, July-August 2016.
- [10] Survey Paper on RFID: Radio Frequency Identification Dalvinder Kaur#1 , Jyotsna Sengupta#2 #1 Student, Department of Computer Science, Punjabi University Patiala, India #2Proferssor, Department of Computer Science, Punjabi University Patiala, India,International Journal of Computer Trends and Technology (IJCTT) – Volume 39 Number 2 - September2016.
- [11] RFID Technology Based Attendance Management System SumitaNainan1 ,Romin Parekh2 , Tanvi Shah3 1 Department of Electronics & Telecommunication Engineering, NMIMS University Mumbai, Maharashtra 400 056. INDIA.
- [12] AUTOMATIC TOLL COLLECTION SYSTEM USING RFID 1 Satyasrikanth P, 2Mahaveer Penna, 3Dileep Reddy Bolla 1,2,3 Assistant Professor, Department of Electronics & Communication Engineering Sri Venkateshwara College of Engineering Bangalore.Satyasrikanth P et al, International Journal of Computer Science and Mobile Computing, Vol.5 Issue.8, August- 2016, pg. 247-253.