



## AN INTELLIGENCE SUPER MART BILLING SYSTEM

S.Mekala<sup>1</sup>, M.Thanagaraj<sup>2\*</sup>, M.Chandranath<sup>2</sup>, K.K.Vasanta Kumaran<sup>2</sup>

<sup>1</sup>Faculty of Electronics and Communication Department, VEL TECH, Chennai, India.

<sup>2</sup>UG Students of Electronics and Communication Department, VEL TECH, Chennai, India.

Email: [rajan0306@gmail.com](mailto:rajan0306@gmail.com)

---

**Submitted: May 27, 2017**

**Accepted: June 15, 2017**

**Published: Sep 1, 2017**

---

*Abstract- Currently embedded systems be mainly based on microcontroller's i.e. CPUs in the company of included reminiscence the same as well as tangential interface except ordinary microprocessors by means of external chips for memory and peripheral interface circuits are common, especially in technology may not only be useful for streamlining category and supply chains. Nowadays it is rare to see people getting keen in online shopping through e-commerce websites but still the shopping centers are popular. We come across many types of carts used for shopping in malls and shopping center. The major purpose of this effort is reducing delays in foremost supermarkets or shopping center via income of an electronic smart cart method which will introduce an cognitive approach to billing system during RFID technology. Zigbee is base scheduled an IEEE 802.15 ordinary. Zigbee devices a group of pass on data more than longer space by transient data through transitional devices to make more distances ones, create a interconnect network. Purchasing product during a RFID reader going on shopping cart, suggest while product information resolve be stored into EEPROM close to it and EEPROM data spirit send in the direction of central billing system throughout Zigbee module. The anticipated method will survive helpful for avoiding queues in shopping malls for billing. Hence the shopping becomes easy and enjoyable.*

**Index terms:** Product Identification Device EEPROM, RFID Reader, RFID Tag, Smart Shopping