**INTELLIGENT MOTORIZED SHOPPING DROIT IN SUPER MARKET**

**ABSTRACT:**

The ultimate aim of this project is to bring automation in super Markets. In this system, the delivery of products to each customer is automated and the records entered by the human also to be done by the system automatically. In this project, robot is used to simplify the shopping process for the customer. When the customer enters the specific codes of each product, the bot would automatically detect the instruction given by the customer then it locates the specific location of the products from provided paths and it automatically picks up the mentioned product and reaches the bill counter for bill payment. Billing is also done by the robot. This is the project to develop the technological upgradation in the society. So the system reduces the risk factors in the conventional method.The ultimate motivation of the project arrives from the difficulties that could observe from the ordinary conventional super markets. As of date there are more than 5 lakhs super markets across India, but there is no automation provided for it.It is an idea similar to ATM technology and it is developed on considering the busy world and living standards of the people. Because most of the people used to purchase in super market rather than any other shops. It overcomes the conventional parameters such as labour cost, standing time, human errors and long queues. The entire process is controlled by using Arduino UNO.

Each records of individual customer are recorded under main database server by using communication technologies. Here to design the user interface which is communicated between the humans and these automated system,a GUI is developed on the Visual Basics which contain information about the entire available product including its cost and provide feature for the customer to select the required products. Zigbee module is used to transmit data from GUI to the robot.

The program is developed to pick the object only from the pre defined location so to place the next product in the same place after pocking the product a separate mechanical setup is provided. The embedded system is the pre-programmed device which is connected to actuators and sensors.A program is also developed to provide the automatic billing.

MAIL TO:

N.KARTHIK KUMAR.[anagarajan368@gmail.com](mailto:anagarajan368@gmail.com)

L.A.MOULY [PRASAANTH .moulyprasaanth@gmail.com](mailto:PRASAANTH%20.moulyprasaanth@gmail.com)

MOHAMMAD GOUSE. [mohammedgousemts@gmail.com](mailto:mohammedgousemts@gmail.com)