Project Title **:** IOT Based QR and Barcode Scanner

Student Names **: Rohit Kumar Mohanty(RA1911004010259)**

Project Guide **:** Dr Vimala C

ABSTRACT: At most supermarkets, shopping centres, or electronic stores, all of the goods have a label with a price and a barcode, which enables the seller to recognise the names, prices, and quantities of the goods through the barcode. Every checkout has a cashier who uses a barcode scanner to scan the items and then generates the bill in accordance with them. Barcodes and QR codes are frequently used to track data about the products and inventory status. The use of QR codes has significantly expanded as a result of automation in online shopping warehouses. Scanners are positioned at each conveyor belt used for product routing in order to recognise, classify, and track the status of the products.

Software Used

Objectives	The barcode scanner or is an electronic gadget that reads barcodes using a built-in laser and outputs the information (the number) they represent rather than the image. As a result, the tiresome work of inputting the codes is eliminated, and the time and resources spent on it are significantly decreased.
Knowledge acquired in the listed courses	1.Electronic Devices(**18ECC102J)**
Realistic Constraints	If any Barcode or Qr is damaged we can't get the information of the product.
Standards to be referred/followed	Arduino IDE, QR Module Command Set
Multidisciplinary tasks involved	AWS Management Console
Deliverables/Outcomes	Reason for introducing this idea is to collect the data virtually in a cloud server which is accessible from any corner of the world.