**PANTRY SYSTEM IN THEATERS**

**AIM:**

The main aim of this project is to provide pantry system for audience

**PURPOSE:**

One of the problems faced by the audience in theatres is getting food in break time standing in huge queue makes a person discomfort so we have an alternative where he can order the food from his seating place itself

**ORDER SECTION:**

**MICRO CONTROLLER**

**(AT89S52)**

**POWER SUPPLY**

**LCD DISPLAY**

**RF TX**

**KEY PAD**

**ENCODER**

**HT12E**

**RECEIVING SECTION:**

**MICRO CONTROLLER**

**(AT89S52)**

**POWER SUPPLY**

**LCD**

**RF
Rx**

**BUZZER**

**DECODER**

**HT12D**

**PC**

**DESCRIPTION:**

One of the problems faced by the audience in theatres is getting food in break time standing in huge queue makes a person discomfort so we have an alternative where he can order the food from his seating place itself .For implementation of the system RF communication helps in transferring the order.

Audience will be provided with a keypad section at which user can request the menu and the available items will be displayed on lcd at his seating place. Then he Can select particular item through keypad the order placed by the audein can be transmitted to the pantry section through RF and is displayed on pc.

Through this proposal system the manual effort and standing in queue for long time will be also avoided. Apart from theatres this system can be also applicable in restaurants and other places.

**HARDWARE:**

1. Microcontroller(AT89S52)
2. LCD Display(16\*2)
3. Power supply
4. Encoder
5. Decoder
6. RF TX & RF RX

**SOFTWARE:**

1. Kiel U vision
2. Embedded ‘C’
3. Express PCB
4. ISP

**RESULT:**

By implementing this project we can overcome the problem of heavy crowdedness in theaters and also we can easily serve what he ordered.