**DIGITAL TICKET COUNTER**

The topic that we have chosen as our project is “DIGITAL TICKET COUNTER”. With the help of this counter it will be easier for both customer and operator (ticket seller) to sort out which ticket is already booked and which is not. Besides one can cancel any ticket that he has already booked.

In our project, we used tickets of two classes. The first class tickets which are in the top row are Tk.10 each and the second class tickets which are in the bottom row are Tk.5 each. We have used four LEDs to resemble four particular seats named as A1, A2, B1, and B2. There are total seven buttons. Four of them are designated as A, B, 1, 2 and the other three are designated as Book, Clear, Cancel. The buttons will be kept in front of the operator. If a customer wants to buy a ticket named A1, the operator just needs to press button ‘A’ and then button ‘1’ and then button ‘Book’. The led named A1 will turn on and the cost of 10 Tk. will be shown on the ‘Seven Segment Display’ which will be kept in front of the customer so that he can see the price of that ticket. So our ticket counter is providing the original price of the ticket and customers can rely on this digital ticket counter and they don’t need to bargain with the operator about the price of the ticket. In this similar manner, the operator can book the other tickets as well. The operator should bear in mind, after booking a ticket he must need to clear the display by pressing ‘Clear’ button. Otherwise, the ticket price of this customer will add up to the ticket price of the subsequent customer and it will be displayed on the seven segment display.

This digital ticket counter provides a special convenience to the operator who is booking the tickets by pressing buttons. If a customer wants to buy all the tickets in a row (A1 and A2), the operator needs to press buttons A,1,2,book respectively. Similarly, he can cancel all the tickets in a row. Hence, our digital ticket counter is acting friendly with the operator.

So, we can say, if we bring this feature in the ticket counters it will be helpful for both customers and operators.