Pantry Card

Abstract

Indian Railways (IR) is one of the world's best Relocating systems. It is mainly used for transportation of passengers, raw materials for Industries, Medical Services etc. in maximum number to the other part of the country. Also it is a feasible and effective all the way. The aim is to build this project to give the attention to the public comforts and their wish for introducing fresh things out with increasing the fare from past little yanks. This is a most convenient ordering system than the present food ordering system in the railways which is totally hand operated system. The reputation of Indian railway and liberty of our expected system along with other ICT progress is mentioned in the paper. I. INTRODUCTION India has the IIndlarger organization in the world. We usually travel in the railways and sometime face the problems in ordering the food at the odd time and in the absence of the vendor. We also face this problem in long journey superfast trains. For get around this shortcoming we are carry out this project. We are providing zigbee based order placement section in each division. This section includes keypad to pass an eye over through the menu card. The respective food items will display on the menu card which is placed near to the order placement section. This all sections are interfaced with the zigbee on both side i.e. on transmitting and receiving side. In this project the transmitting section is kept in the every division of railway. If the traveler wants to give an order of meal then they have to go near to section and place the order. The order can be approved if and only if the traveler has the legal PNR number which is mentioned on ticket, then only the further action proceeded by the section. In PNR number entire information of traveler is carried for authentication. The transmitting section takes order from traveler along with food entry and its respective bulk. After obtaining all the info from traveler the device starts running. The info inserted by the traveler is pointing to the receiving side. At the receiving side which is placed in the pantry compartment and transmitted data will be received by that receiver which placed in pantry compartment. After receiving data in pantry compartment, payment receipt is generated in the printer for respective order. Then waiter or service provider in pantry compartment serves the order and payment receipt to the

passenger as early as possible. Then cash on delivery transaction to give order and process will be completed.

Block Diagram :

X-bee

Key pad

ARDUINO

LCD

RF Id Module

X-bee

ARDUINO

PC