KUMARAGURU COLLEGE OF TECHNOLOGY

COIMBATORE 641049

(An Autonomous Institution Affiliated to Anna University, Chennai)

BONAFIDE CERTIFICATE

Certified that this project report "**RATION SHOP AUTOMATION SYSTEM"** is the bonafide work of "**Mr.S.ABUBACKER ASHIQ (13BCS002), Mr.S.AJITH -PRUTHVI(13BCS003) and ASHWIN VELMURUGAN (13BCS018)"** who carried out the project work under my supervision.

SIGNATURE
Dr.P.DEVAKI, Ph.D.,
HEAD OF THE DEPARTMENT
Professor and Head,
Department of Computer Science
and Engineering,
Kumaraguru College of Technology,
Coimbatore - 641049.

SIGNATURE
Mr.G.KANAGARAJ, M.E. ,
SUPERVISOR
Assistant Professor,
Department of Computer Science
and Engineering,
Kumaraguru College of Technology,
Coimbatore - 641049.

The candidate with University Register Number **13BCS002, 13BCS003 and 13BCS018** were examined by as in the project viva voce held on _____.

Internal Examiner External Examiner

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ABSTRACT

Ration Automation System is used to reduce the burden of manual work which is carried out during the functioning and operation of Fair Price Shop (FPS).From the time these Fair Price shops were brought into implementation and till now the functioning and operation are done manually, so there are lot of drawbacks which comes into the picture some of these include long queues of people waiting, manual billing etc. This is something that is time consuming so a good solution to this would be to automate this system.

The features of this system includes the replacement of conventional Ration card by a Smart card which uses a RFID tag for authentication of valid card holders, System which reduces the man work needed to weigh and provide subsidies to the customers. As soon as the stocks arrive to the Fair Price Shops the details of the items are updated to the family head of the card holders, this reduces the burden of people enquiring about the items from Ration shops.

The purchase details of subsidies for each month can be viewed by the customers for reference with the help of an SMS. If the user is a valid user, the next process takes place and the input can be given in the interface. As soon as the input is given, the products are obtained from the automated ration shop and an SMS is sent to the valid customer holder regarding the purchases made by him/her.

LIST OF FIGURES

LIST OF ABBREVIATION

S NO.	ABBREVIATION	DEFINITION
1	PDS	Pubic Distribution Service
2	SCU	Signal Control Unit
3	DTE	Data Terminal Equipment
4	DCE	Data Circuit Equipment
5	EIA	Electronic Industries Alliance
6	WORA	Write Once Run Anywhere
7	UID	Unique Identification
8	RFID	Radio Frequency Identification
9	PIC	Program Interrupt Controller
10	PLC	Programmable Logic Control
11	SMS	Short Message Service
12	GSM	Global System for Mobile Communication
13	IDE	Integrated Development Environment
14	JVM	Java Virtual Machine
15	AC	Alternating Current
16	DC	Direct Current
17	LCD	Liquid Crystal Display