



FINAL YEAR PROJECT REPORT

RATION AND FOOD DISTRIBUTION SYSTEM (RAFDS)

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

By

**MOAZAM HUSSAIN
MOOSA ANWAR KHAN
SHARIQ MEHMOOD**

**59991(BSCS)
56849(BSCS)
59957(BSCS)**

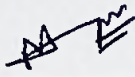
SUPERVISED

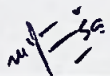
BY

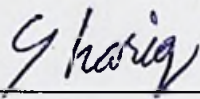
**JAWAD AHMED BHUTTA
BAHRIA UNIVERSITY (KARACHI CAMPUS)
FALL-2022**

DECLARATION

We declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions. We also declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged.

Signature : 
Name : Moazam Hussain
Reg No : 59991

Signature : 
Name : Moosa Anwar Khan
Reg No : 56849

Signature : 
Name : Shariq Mehmood
Reg No : 59957

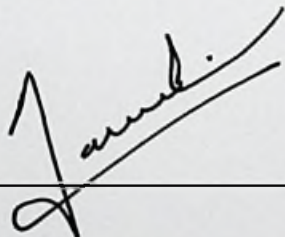
Date : 19/12/2022

APPROVAL FOR SUBMISSION

We certify that this project report on "RATION AND FOOD DISTRIBUTION SYSTEM (RAFDS)" was prepared by **Shariq Mehmood, Moosa Anwar Khan, and Moazam Hussain**. This meets the standard requirement for submission in partial fulfillment of the requirements for the Bachelor of Computer Science award at Bahria University.

Approved by,

Signature: _____



Supervisor: Sir Jawad Ahmed Bhutta

Date: _____

20/12/2022

The copyright of this report belongs to Bahria University according to the Intellectual Property Policy of Bahria University BUORIC-P15 amended on April 2019. The due acknowledgment shall always be made of the use of any material contained in, or derived from, this report.

© 2022 Bahria University. All right reserved.

ACKNOWLEDGEMENT

Specially dedicated to
my beloved Instructors who guided us.

And
to our lovely parents.

ACKNOWLEDGMENT

We would like to thank those Instructors and teachers who motivated us to pursue this project. We would like to express our gratitude to our research supervisor, Sir Jawad Ahmed Bhutta for his invaluable advice, guidance, and his enormous patience throughout the research development

In addition, we would also like to express our gratitude to our loving parents and friends who had helped and given us encouragement.

ABSTRACT

Our project “ration and food distribution system” is for those nonprofit organizations that distribute ration and food among people. This is a web and mobile-based application that will help people working within org organization to work effectively and efficiently as everything will be done on system. Our main focus is to automate everything for those organizations who are performing every task manually like, storing person’s record manually, removing record, supplies donated and distributed among people. All these tasks will be done on system. Our mobile application can also be used by people who want to donate for organization without visiting the branch. We have designed web platform for branch employees and admins to make their job well structured and mobile platform for users who want to donate or need help. People can simply use our app if they want to donate.

Table of Content

DECLARATION	i
APPROVAL FOR SUBMISSION.....	ii
ACKNOWLEDGMENT	v
ABSTRACT.....	vi
Table of Content.....	vii
List of Figure	x
Chapter 1	1
Introduction	1
1.1 Background	1
1.2 Problem Statement	1
1.3 Aims & Objectives	2
1.4 Problems in Existing System	2
1.5 Proposed Solution	2
Chapter 2	3
Literature Review	3
2.1 Automated Ration Distribution System	3
2.2 RFID and GSM-based Automatic Rationing System using LPC2148:	3
2.3 A Smart Public Ration Distribution System	4
2.4 Automation in Government Ration Distribution System Using Atmega32 and RFID	4
Chapter 3	5
Project Methodology	5
3.1 Methodology	5

3.2	Process Model for User (Mobile-based platform).....	6
3.2.1	“Login and Sign up” Page.....	6
3.2.2	“Account details” page:	6
3.2.3	“Change Password” page:.....	7
3.2.4	“View all requests” page:.....	7
3.2.5	“Request for donations” page:	8
3.2.6	“Donate” page:.....	8
3.2.7	“About” page:	9
3.3	Process Model for Admin and Branch (Web based platform).....	9
3.3.1	“Admin” page:	9
3.3.2	“Branch” page:.....	10
3.4	Modules discussion:	10
3.4.1	User (Donator and Needy):.....	11
3.4.2	Admin and Branch:.....	11
3.4.3	Admin Screen Snapshots:	12
3.4.4	Branch Screen Snapshots:.....	18
3.4.5	User’s UI and Use case:.....	21
Chapter 4	27
Software Project Plan	27
4.1	Software and tools used:	27
4.2	Software and Hardware specification:	27
4.3	Gantt Chart:	28
Chapter 5	29
Result and Discussions	29
5.1	User’s Module:.....	29

5.2 Admin and Branch Module	45
Chapter 6	51
Conclusion and Recommendations	51
6.1 Conclusion:.....	51
6.2 Recommendations:.....	52
References:	53

Figure 3.2.1	7
Figure 3.2.2	8
Figure 3.2.3	8
Figure 3.3.1	9
Figure 3.4.1	11
Figure 3.4.2	11
Figure 3.4.3	12
Figure 3.4.4	14
Figure 3.4.5	14
Figure 3.4.6	15
Figure 3.4.7	15
Figure 3.4.8	16
Figure 3.4.9	16
Figure 3.4.10	17
Figure 3.4.11	17
Figure 3.4.12	18
Figure 3.4.13	19
Figure 3.4.14	19
Figure 3.4.15	20
Figure 3.4.16	20
Figure 3.4.17	21
Figure 3.4.18	21
Figure 3.4.19	22
Figure 3.4.20	22