



FINAL YEAR PROJECT REPORT

MOBILE APPLICATION (FIRESQUE)

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

BY

**HABIB UR REHMAN
MUHAMMAD FAROOQ
REHANA RIAZ**

**65194 (BSCS)
60043 (BSCS)
65204 (BSCS)**

SUPERVISED

BY

MISS FATIMA BASHIR

BAHRIA UNIVERSITY (KARACHI CAMPUS)

SPRING-2023

DECLARATION

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

Signature :

Habib

Name :

Habib Ur Rehman

Reg No. :

65194

Signature :

Rehana

Name :

Rehana Riaz

Reg No. :

65204

Signature :

M. Farooq

Name :

Muhammad Farooq

Reg No. :

60043

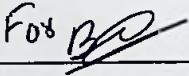
Date :

07/July/2023

APPROVAL FOR SUBMISSION

We certify that this project report entitled **“MOBILE APPLICATION (FIRESUE)”** was prepared by **HABIB UR REHMAN, REHANA RIAZ, AND MUHAMMAD FAROOQ** has met the required standard for submission in partial fulfillment of the requirements for the award of Bachelor of **Computer Science** at Bahria University.

Approved by,

Signature : Fos 

Supervisor : Miss Fatima Bashir

Date : 07/July/2023

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In addition, we would like to dedicate this work to our loving parents and friends who have supported us throughout our journey.

Specially dedicated to

My beloved grandmother, mother, and father

(Habib Ur Rehman)

My beloved grandmother, mother, and father

(Rehana Riaz)

My beloved grandmother, mother, and father

(Muhammad Farooq)

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We would like to thank everyone who contributed to the successful completion of this project. We would like to express our gratitude to our research supervisor, **Miss Fatima Bashir** for her invaluable advice, guidance, and her enormous patience throughout the development of the research.

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

ABSTRACT

Fire is as destructive as it is useful. Without a proper proactive approach to preventing fire outbreaks, the results could be extremely disastrous when they occur. With just a few taps, users can alert the nearest fire station to the location of a fire, and receive real-time updates on the response efforts. Thus, there is a need for a fast and convenient way of reporting fire incidents. The growing usage of smartphones provides a way of equipping users with a means of reporting fire incidents to ensure prompt response and proper management of the incidents. In this report, we analyze the manual process of reporting fire outbreaks and design an automated FIRESCUE – a mobile application, to enable users to quickly alert the nearest fire emergency units of any possible fire incidents. We developed FIRESCUE with the aid of the Software Development Life Cycle phases and Unified Modeling Language which was used as a model to visualize the design view of the application. A simple Graphical User Interface (GUI) prototype of the proposed application was designed. Our work highlights a practical application of analysis and design concepts in developing software to provide an efficient solution for reporting fire outbreaks. The objective of this project is to develop an application for specific organizations including Schools, Hospitals, Industries, and Private and Government Sectors. The app will be used by selected users only and users will be eliminated if uploads unnecessary content. Admin will be given the option to select the nearest fire station. This app will help organizations to get help directly from fire stations in any disastrous situation. This report presents an in-depth analysis of a Fire Rescue System comprising both a User Module and an Admin Module. The purpose of this system is to streamline and enhance the efficiency of fire rescue operations by facilitating effective communication and coordination between users and administrator.

TABLE OF CONTENTS

DECLARATION	i
APPROVAL FOR SUBMISSION	ii
ACKNOWLEDGEMENT	v
ABSTRACT	vi
TABLE OF CONTENTS	vii
LIST OF TABLES	ix
LIST OF FIGURES	x
LIST OF SYMBOLS / ABBRIVIATION	xii
LIST OF APPENDICES	xiii
 CHAPTER	
1 INTRODUCTION	1
1.1 Background	1
1.2 Problem Statement	2
1.3 Aims and Objectives	3
1.4 Scope of Project	4
 2 LITERATURE REVIEW	6
2.1 Background	6
2.2 Related work	6
2.3 Technology used in app	7
2.3.1 Effectiveness than other existing apps	8
2.3.2 Ethical and privacy concern in app	8
2.4 Current market and future potentials	9
2.5 Chapter summary	11

3	REQUIREMENT SPECIFICATION	12
3.1	Overview	12
3.2	Purpose of the App	12
3.3	Functional Requirements	13
3.4	Non-Functional Requirements	13
3.5	Use Case Diagram	14
4	DESIGN AND METHODOLOGY	15
4.1	Proposed Methodology	15
4.1.1	Functionality Diagram	16
4.2	Modules Discussion	16
4.2.1	Flowchart of Admin	17
4.2.2	Flowchart of User	18
4.3	Research on Application (Process Model)	19
4.3.1	Information Gathering	19
4.3.2	Planning	20
4.3.2.1	Gantt Chart	20
4.3.3	Design	21
4.3.3.1	Sequence Diagram	21
4.3.4	Development	22
4.3.5	Testing	22
5	IMPLEMENTATION	23
5.1	Module Development	23
5.2	Main Panel	24
5.3	Result and Discussion	32
6	TESTING AND EVALUATION	33
6.1	Testing	33
6.2	Types of Testing	33
6.2.1	White Box Testing	34
6.2.2	Black Box Testing	34
6.3	Test Cases	36
7	CONCLUSION AND FUTURE WORK	38
7.1	Benefits	38
7.2	Future Work	40
	REFERENCES	41
	APPENDICES	43