



Bahria University
Discovering Knowledge

FINAL YEAR PROJECT REPORT

AMBULANCE SERVICE-EMERGENCY APPLICATION ANDROID (APP)

By

MUHAMMAD AHMER JALAL RAJPUT	(39127)
QURAT-UL-AIN	(39129)
MUHAMMAD TAYYAB AMIR	(39123)
SYED HASSAN MAHMOOD	(39139)
MUHAMMAD AHSAN MALIK	(39116)

SUPERVISED BY
(MADAM AZEEMA SADIA)

BAHRIA UNIVERSITY (KARACHI CAMPUS)

2018

AMBULANCE ACKNOWLEDGEMENTS APPLICATION

First of all we would like to Thanks **ALMIGHTY ALLAH** who gives us power to complete our project, we are also thankful of all who had contributed for the successful completion of this project. We would like to express our gratitude to our project supervisor, Dr/Mr/Miss/Madam **AZEEMA SADIA** for his/her invaluable advice, guidance and his/her excessive patience throughout the development of the project.

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

AMBULANCE SERVICE_EMERGENCY APPLICATION

ABSTRACT

The abstract of this project is that we are developing an application namely Ambulance Service_Emergency Application, There are most common rescue services like Chepa,(1020), Edhi etc. which are managed through phone calls but it's a unique idea in itself in which user/patient can book an ambulance using an android smart phone as similar as the Uber and Careem are giving their services.

The request for an ambulance made by the patients smart phone is directly search the nearest ambulance which is present within the 100 meters and make link between the user and the driver, where 24/7 cloud will automatically check the request calculate coordinates and response back to the user and That request is in progress and from which station ambulance will come. All this process and management will handle virtually. The whole history will maintain on cloud, user side and also on driver side. When task is done then status on app and sever side will be update. It creates for serving mankind in the circumstance of emergency by utilizing exact and precise outcomes.

TABLE OF CONTENTS

	DECLARATION	ii-iii
	APPROVAL FOR SUBMISSION	iv
	ACKNOWLEDGEMENTS	vii
	ABSTRACT	viii
	TABLE OF CONTENTS	ix-xi
	LIST OF TABLES	xii
	LIST OF FIGURES	xiii
	LIST OF APPENDICES	xiv
CHAPTER		
1	INTRODUCTION	1
	1.1 Background	1
	1.2 Problem Statements	2
	1.3 Aims and Objectives	2
	1.4 Scope of Project	2
	1.5 Pros(Ambulance Service Emergency App)	3
	1.6 Cons(Ambulance Service Emergency App)	3
2	LITERATURE REVIEW	4
	2.1 Background.	4
	2.2 Connection Of Ambulance Service.	4
	2.3 Detail Of Ambulance Service.	5
	2.3.1 Emergency Service.	5
	2.3.2 GPS for Ambulance Service	5

3	DESIGN AND METHODOLOGY	6
3.1	Project Methodology	6
3.1.1	Hardware Requirement	6
3.1.2	Software Requirement	6
3.2	Project Design	6
3.3	DFD	7
3.4	Use Case Diagram	7
4	IMPLEMENTATION	8
4.1	Implementation of Google Api	8
4.2	Implementation of Interface	8
4.2.1	Main Screen	8
4.2.2	Login Screen Customer/Driver	8
4.2.3	Customer Registration	9
4.2.4	Driver Registration	9
4.2.5	Drawer	9
4.2.6	Driver Interface	9
4.2.7	Ambulance Ratings	10
4.2.8	Customer End	10
4.2.9	Pick Customer	10
4.2.10	Driver Complete	10
4.2.11	Ride Charges	11
4.3	Implementation Of Data Base	11
4.3.1	Customer Data Base (Node)	12
4.3.2	Driver Data Base (Node)	12
5	RESULTS AND DISCUSSIONS	13
5.1	Project Testing Result & Discussion	13

LIST OF TABLES

6	CONCLUSION AND RECOMMENDATIONS	14
6.1	Conclusion	14
6.2	Further Enhancement	14
REFERENCES		15
APPENDICES		16-81