

# **MEDICINE REMAINDER APP**



## **A DESIGN PROJECT REPORT**

*submitted by*

**NIRANJINI C**

**NITHYA SREE D**

**RAJESWARI M**

*in partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**

*in*

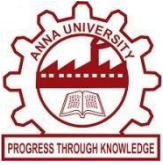
**COMPUTER SCIENCE AND ENGINEERING**

**K RAMAKRISHNAN COLLEGE OF TECHNOLOGY**

**(An Autonomous Institution, affiliated to Anna University Chennai, Approved by AICTE, New Delhi)**

**Samayapuram – 621 112**

**NOVEMBER-DECEMBER 2024**



# **MEDICATION REMAINDER APP**



## **A DESIGN PROJECT REPORT**

*submitted by*

**NIRANJINI C (811722104102)**

**NITHYA SREE D (811722104105)**

**RAJESWARI M (811722104118)**

*in partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**

*in*

**COMPUTER SCIENCE AND ENGINEERING**

**K RAMAKRISHNAN COLLEGE OF TECHNOLOGY**

**(An Autonomous Institution, affiliated to Anna University Chennai, Approved by AICTE, New Delhi)**

**Samayapuram – 621 112**

**NOVEMBER-DECEMBER 2024**

# **K RAMAKRISHNAN COLLEGE OF TECHNOLOGY**

**(AUTONOMOUS)**

**SAMAYAPURAM – 621 112**

## **BONAFIDE CERTIFICATE**

Certified that this project report titled “**MEDICATION REMINDER APP**” is Bonafide work of **NIRANJINI C(811722104102), NITHYA SREED(811722104105),RAJESWARI M (811722104118)** who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

### **SIGNATURE**

DrA Delphin Carolina Rani M.E.,Ph.D.,

### **HEAD OF THE DEPARTMENT**

**PROFESSOR**

Department of CSE

K Ramakrishnan College of Technology

(Autonomous)

Samayapuram – 621 112

### **SIGNATURE**

Mrs. V.Kalpana, M.E.,

### **SUPERVISOR**

Assistant Professor

Department of CSE

K Ramakrishnan College of Technology

(Autonomous)

Samayapuram – 621 112

Submitted for the viva-voice examination held on .....

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

## DECLARATION

We jointly declare that the project report on “**MEDICATION REMINDER**” is the result of original work done by us and best of our knowledge, similar work has not been submitted to “**ANNA UNIVERSITY CHENNAI**” for the requirement of Degree of Bachelor Of Engineering. This project report is submitted on the partial fulfilment of the requirement of the award of Degree of Bachelor Of Engineering.

**Signature**

---

NIRANJINI C

---

NITHYA SREE D

---

RAJESWARI M

Place: Samayapuram

Date:

## ACKNOWLEDGEMENT

It is with great pride that we express our gratitude and indebtedness to our institution “**K RAMAKRISHNAN COLLEGE OF TECHNOLOGY**”, for providing us with the opportunity to do this project.

We are glad to credit honorable chairman **Dr. K RAMAKRISHNAN, B.E.**, for having provided for the facilities during the course of our study in college.

We would like to express our sincere thanks to our beloved Executive Director **Dr. S KUPPUSAMY, MBA, Ph.D.**, for forwarding our project and offering adequate duration to complete it.

We would like to thank **Dr. N VASUDEVAN, M.Tech., Ph.D.**, Principal, who gave opportunity to frame the project with full satisfaction.

We whole heartily thank **Dr. A DELPHIN CAROLINA RANI, M.E., Ph.D.**, Head of the Department, **COMPUTER SCIENCE AND ENGINEERING** for providing her support to pursue this project.

We express our deep and sincere gratitude and thanks to our project guide **Mrs. V KALPANA, M.E.**, Department of **COMPUTER SCIENCE AND ENGINEERING**, for his incalculable suggestions, creativity, assistance and patience which motivated us to carry this project.

We render our sincere thanks to Course Coordinator and other staff members for providing valuable information during the course. We wish to express our special thanks to the officials and Lab Technicians of our departments who rendered their help during the period of the work progress.

## **ABSTRACT**

Mobile technologies are finding a role in patient monitoring in several different environments: homes, hospitals, and nursing homes. health applications include the use of mobile devices in collecting community and clinical health data, delivery of healthcare information to practitioners, researchers and patients, real-time monitoring of patient vital signs, and direct provision of care. Therefore, usability of software applications is the key to success of any system. It mainly focused on creating an application for smart phones with android system. The main aim of the proposed system is to help two important categories of the society they are elderly and Alzheimer's patients, these two categories shared in one recipe which is forgetful. It gives them the ability to have small memory can help them to remember all tasks to life, which may contribute to the prevention of progression of the disease rapidly, and the technology is best care because it is not susceptible to forget or damage. The design of the proposed system presented in this study includes reminding them of the dates of their medications and the amount of medicine. It also reminders food times and some of the important events. It concludes that the working environment would be improved by supporting with mobile technology and reduces the health expenditures and burden of health care professionals in care facility units.

## TABLE OF CONTENTS

<b>SNO</b>	<b>TITLE</b>	<b>PAGE NO</b>
	<b>ABSTRACT</b>	<b>v</b>
	<b>LIST OF FIGURES</b>	<b>ix</b>
	<b>LIST OF ABBREVIATIONS</b>	<b>x</b>
<b>1</b>	<b>INTRODUCTION</b>	<b>1</b>
	1.1 Background	1
	1.2 Overview	2
	1.3 Problem Statement	3
	1.4 Objective	3
	1.5 Implication	3
<b>2</b>	<b>LITERATURE SURVEY</b>	<b>4</b>
<b>3</b>	<b>SYSTEM ANALYSIS</b>	<b>8</b>
	3.1 Existing System	8
	3.2 Proposed System	9
	3.3 Block Diagram for Proposed System	10
	3.4 Usecase Diagram	11
	3.5 Flowchart	12
	3.6 Activity Diagram	13

<b>4</b>	<b>MODULES</b>	<b>14</b>
	4.1 Module Description	14
	4.1.1 Add Medication Reminder	15
	4.1.2 Alert Received Patients	15
	4.1.3 Alert Get Caretaker	17
<b>5</b>	<b>SYSTEM SPECIFICATION</b>	<b>17</b>
	5.1 Software Requirements	17
	5.2 Hardware Requirements	17
	5.1.1 Frontend	18
	5.1.2 Backend	19
	5.1.3 Tool	21
<b>6</b>	<b>CONCLUSION AND FUTURE ENHANCEMENT</b>	<b>21</b>
	6.1 Conclusion	22
	6.2 Future Enhancement	23
	<b>APPENDIX-A</b>	<b>48</b>
	<b>APPENDIX-B</b>	<b>52</b>
	<b>REFERENCES</b>	



## LIST OF FIGURES

<b>FIGURE NO</b>	<b>FIGURE NAME</b>	<b>PAGE NO</b>
3.1	Proposed System	10
3.2	UseCase Diagram	11
3.3	Flow Chart	12
3.5	Activity diagram	13
6.B.1	Add Medication Reminder	48
6.B.2	Reminding Caretaker	49
6.B.3	Alert Caretaker via phone call	50
6.B.4	Alert Caretaker via SMS	51

## **LIST OF ABBREVIATIONS**

<b>ABBREVIATION</b>	<b>FULL FORM</b>
ARM	Advanced RISC Machine
API	Application Programming Interface
GUI	Graphical User Interface
LCD	Liquid Crystal Display
APK	Android Application Package
SDK	Software Development Kit
IDE	Integrated Development Environment
NDK	Native Development Kit
AI	Artificial Intelligence