

**ORPHACONNECT: AN INTEGRATED SYSTEM FOR
CHARITABLE INITIATIVES TO ENGAGE COMMUNITIES**

A PROJECT REPORT

Submitted by

JENSON Y (411620104006)

RAJA SELVAM M (411620104015)

In partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



**PRINCE Dr K VASUDEVAN COLLEGE OF
ENGINEERING AND TECHNOLOGY,
PONMAR, CHENNAI-600 127**

ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2024

BONAFIDE CERTIFICATE

Certified that this project report “**E-DISTRICT WHATSAPP BOT**” is the bonafide of “**JENSON Y (411620104006)** and **RAJA SELVAM M (411620104015)**”, who carried out the project work under my supervision.

SIGNATURE

S. SHALINI M.E.,

HEAD OF DEPARTMENT

Department of CSE,
Prince Dr. K. Vasudevan College
of Engineering and Technology,
Chennai-600127

SIGNATURE

S. SHALINI M.E.,

SUPERVISOR

Department of CSE,
Prince Dr. K. Vasudevan College
of Engineering and Technology,
Chennai-600127

Submitted for the project work viva-voce examination held on _____

INTERNAL EXAMINER

EXTERNAL EXAMINER

ACKNOWLEDGEMENT

We wish to express our sincere thanks to our **FOUNDER AND CHAIRMAN, Dr. K. VASUDEVAN, M.A., B.Ed., Ph.D.**, for his endeavour in educating us in his premier institution.

We would like to extend our heartfelt gratitude and sincere thanks to our **VICE CHAIRMAN, Dr. V. VISHNU KARTHIK, M.D.**, for his keen interest in our studies and the facilities offered in this premier institution.

We would like to express our deep gratitude and sincere thanks to our **ADMINISTRATIVE OFFICER, Dr. K. PARTHASARATHY BE.**, for his valuable support.

We wish to express our sincere thanks to our **HONOURABLE PRINCIPAL, Dr. T. SUNDER SELWYN, M.E., Ph.D.**, for permitting to access various resources in the college to complete the project work

We also wish to convey our thanks and regards to our **Mrs.S.SHALINI M.E., HOD**, our **Internal guide and project coordinator, Department of Computer Science and Engineering** for her guidance and support throughout our project.

We would like to extend our thanks to all teaching and non-teaching staffs of Department of Computer Science and Engineering for their continuous support.

ABSTRACT

OrphaConnect is a pioneering web-based platform designed to tackle food wastage and resource distribution challenges in orphanages and care homes. Grounded in social computing principles, it offers a holistic solution to streamline donation processes, enhance transparency, and support those in need.

The system features modules for food charity, fund donation, and beneficiary management. Donors can easily post surplus food availability, specify details, and connect with nearby orphanages or care homes. Through innovative authentication and incentive mechanisms, OrphaConnect ensures donation integrity while encouraging user engagement.

Additionally, OrphaConnect facilitates partnerships with corporates for coupon offers and inclusive product lines for users with disabilities. With its emphasis on technological innovation and user-centric design, OrphaConnect aims to create a more compassionate and inclusive society, where everyone has access to essential resources.

LIST OF FIGURES

FIGURE NO	FIGURE DESCRIPTION	PAGE NO
Fig 1.1	View of Existing System	15
Fig 1.2	OrphaConnect System Architecture	18
Fig 1.3	Sequence Diagram	20
Fig 1.4	Class Diagram	21
Fig 1.5	Flow Diagram	22
Fig 1.6	MongoDB Compass	27
Fig 1.7	Twilio Platform	28

TABLE OF CONTENTS

ABSTRACT	I
LIST OF FIGURES	II

CHAPTER NO	TITLE	PAGE NO
1	INDRODUCTION	1
	1.1 Domain Introduction	
	1.2 Problem Definition	
	1.3 Project Description	
2	LITERATURE SURVEY	9
	2.1 Donation Management System	
	2.2 SeVa: A Food Donation App for Smart Living	
	2.3 Intelligent Transaction System for Fraud Detection using Deep Learning Networks	
	2.4 FoodX, a System to Reduce Food Waste	
	2.5 A New Secure One-Time Password Algorithm for Mobile Applications	
	2.6 Task Recommendation in	

	Reward-Based Crowdsourcing Systems	
	2.7 Learning and Modelling User Interests using User Feedback: a Novel Approach	
	2.8 Development of Web Annotation Technique for Search Result Records Using Web Database	
	2.9 Government Service Chatbot Based on Multi-Agent System	
	2.10 Design and Implementation of Tourism Information System Based on Google Maps API	
3	SYSTEM ANALYSIS	14
	3.1 Existing System	
	3.2 Proposed System	
4	SYSTEM DESIGN	18
	4.1 System Architecture	
	4.2 UML Diagrams	
5	SYSTEM IMPLEMENTATION	23
	5.1 Software Requirements	
	5.2 List of Modules	
6	RESULT AND CONCLUSION	30
7	FUTURE WORK	32
8	APPENDICES	33

- A. Sample Code
- B. Screenshots

9

REFERENCES

56