# **CROWDFUNDING APP FOR EDUCATION**

KARTHICK B (1912067) JESU PANDIAN J (1912063)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING IN

COMPUTER SCIENCE AND ENGINEERING



## NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University – Chennai)

K.R. NAGAR, KOVILPATTI – 628 503

June 2022

### **BONAFIDE CERTIFICATE**

This is to Certify that this project report CROWDFUNDRAISING FOR EDUCATION WEB APPLICATOPN is the bonafide work of B. KARTHICK (1912067) and J. JESU PANDIAN (1912063) who carried out the project work under my supervision.

SIGNATURE SIGNATURE

Mr. R. Rajesh Kumar, M.E., Dr. V. Gomathi, M.Tech., PhD.,

Guide/Supervisor Professor and Head

Assistant Professor Department of CSE,

Department of CSE, National Engineering College

National Engineering College K.R.Nagar, Kovilpatti: 628503.

K.R.Nagar, Kovilpatti: 628503.

Submitted to the **Product Development Laboratory** Viva-Voice Examination Held at **NATIONALENGINEERING COLLEGE, K.R NAGAR, KOVILPATTI on...** 

**Internal Examiner** 

Co Examiner

### **ACKNOWLEDGEMENT**

First and foremost, we would like to thank God Almighty for showering his blessings throughout our life. He has been the tower of our strength in each step of our work. We take the privilege to express hearty thanks to our parents for their valuable support and effort to complete the project work.

We would like to express our deep sense of gratitude and respectful regards to our director **Dr. S. Shanmugavel B.Sc., D.M.I.T., Ph.D.,** for giving an opportunity to do this work.

We have great pleasure in acknowledging our Principal **Dr.K.Kalidasa Murugavel**, **M.E., Ph.D.,** for extending his full support to undergo this work.

We express our profound thanks to our beloved Head of the Department **Dr. V. Gomathi., M.Tech., Ph.D.,** for extending her full support and providing various facilities during the project work.

We would like to thank our project guide **Mrs.S.Rajesh Kumar**, AssistantProfessor Department of Computer Science and Engineering, whose valuable guidance, technical support and suggestions helped us for doing the projectwork.

We express our gratitude to our project coordinator **Dr.S.Kalaiselvi**, **M.E.**, **Ph.D.**, Associate Professor Department of Computer Science and Engineering for her valuable guidance at each and every stage of the project.

We extend our hearty thanks to our tutors and class in-charges for their valuable guidance. We are grateful to all the staff members and our dear friends for their valuable suggestion and co-operation for this project work.

#### **ABSTRACT**

Crowd fundraising here is on the way to raising funds for those who got skills but are in need of funds to accomplish something, it includes immensely paid certifications and higher studies. The application reduces all paperwork needed to be done and also promotes legitimacy by making this a community. A user can benefit from fundraising if they got the proficiency to do that which is verified in the admin side of the application. All users can make fundraising for themselves or for others by submitting the required information. All requests will be public in the application with a vote option so a person who is highly skilled and can dexterously use the community cause upvoting helps in finding the best person under the cover. Also, we've included an inbuilt wallet function to ensure that fund transfer is well managed and it helps in the reduction of transaction fee. Also, a subscription-based system is there which enables users to make a monthly donation to the community which will automatically be shared with some fundraising requests. Thus, it enhances the entire process of crowdfunding through the journey map in the collection of funds from various donors also it helps in showcasing their profile to others which attracts more donor groups.

## TABLE OF CONTENTS

CHAPTER NO.				PAGI NO.	
	ABST	iv			
	LIST	OF FIGUR	ES	vii	
	LIST OF ABBREVIATIONS				
1.	INTR	INTRODUCTION			
2.	BAC	3			
	2.1	3			
	2.2	Go crowd	3		
	2.3	Impact G	3		
	2.4	Go Fund	4		
3.	CUSTOMER ANALYSIS			5	
	3.1	Empathy 1	5		
	3.2	Customer	6		
4.	PRO	BLEM DEF	BLEM DEFINITION		
5.	PRO	9			
	5.1	User Ac	9		
		5.1.1	User fundraise activities	9	
		5.1.2	User wallet activities	9	
		5.1.3	User security activities	9	
	5.2	Admin	10		
		5.2.1	Users fundraise activities	10	
		5.2.2	Admin activities on user accounts	10	
	5.3	Applica	10		
		5.3.1	Frontend of application	10	
		5.3.2	Backend of application	11	

		5.3.3	Database design	12
		5.3.4	Application workflow	13
	5.4	Require	ments	13
		5.4.1	Client requirements	13
		5.4.2	Server requirements	14
6	EXPER	RIEMENT	AL RESULTS	15
	6.1	Deployr usage	ment of application for live	15
		6.1.1	Vercel edge middleware	15
		6.1.2	Heroku cloud	15
		6.1.3	App deployment status and screenshots	15
7	CON	NCLUSIO	N	18
	REF	ERENCE	S	
	APP	ENDIX		

## LIST OF FIGURES

FIGURE NO.	FIGURE DESCRIPTION	PAGE NO.
3.1	EMPATHY MAP	5
3.2	CUSTOMER JOURNEY MAP	6
5.1	DATABASE DESIGN	12
5.2	APPLICATION WORKFLOW	13
6.1	DEPLOYEMENT STATUS IN VERCEL	15
6.2	APP HOMEPAGE	16
6.3	LISTING OF FUNDRAISING	16
6.4	SINGLE FUNDRAISING LISTING	17
6.5	WALLET AND TRASACTIONS	17

## LIST OF ABBREVIATIONS

## **ABBREVIATION** FULL FORM

API Application Programming Interface

XML Extensible Markup Language

OS Operating System

GUI Graphical User Interface

SQL Structured Query Language

QR Quick Response

DOS Disk Operating System

APK Android Package

UI User Interface

GB Giga Byte

IDE Integrated Development Environment

JDK Java Development Kit

DBB Digital Bulletin Board