

**CROWDFUNDING APP FOR EDUCATION**

**PRODUCT DEVELOPMENT LABORATORY (19CS67C)**

*Submitted by*

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**

**Mr. R. Rajesh Kumar,M.E.,**

**Guide/Supervisor**

Assistant Professor

Department of CSE,

National Engineering College

K.R.Nagar, Kovilpatti: 628503.

### **SIGNATURE**

**Dr. V. Gomathi,M.Tech.,PhD.,**

Professor and Head

Department of CSE,

National Engineering College

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**, Assistant Professor Department of Computer Science and Engineering, whose valuable guidance, technical support and suggestions helped us for doing the project work.

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.		PAGE NO.
	<b>ABSTRACT</b>	iv
	<b>LIST OF FIGURES</b>	vii
	<b>LIST OF ABBREVIATIONS</b>	viii
<b>1.</b>	<b>INTRODUCTION</b>	1
<b>2.</b>	<b>BACKGROUND STUDY</b>	3
	2.1 Ketto Organization	3
	2.2 Go crowd era	3
	2.3 Impact Guru	3
	2.4 Go Fund me	4
<b>3.</b>	<b>CUSTOMER ANALYSIS</b>	5
	3.1 Empathy Map	5
	3.2 Customer Journey Map	6
<b>4.</b>	<b>PROBLEM DEFINITION</b>	7
<b>5.</b>	<b>PROPOSED METHODOLOGY</b>	9
	5.1 User Activities	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 Activities	10
	5.2.1 Users fundraise activities	10
	5.2.2 Admin activities on user accounts	10
	5.3 Application architecture	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	Requirements	13
	5.4.1	Client requirements	13
	5.4.2	Server requirements	14
<b>6</b>		<b>EXPERIEMENTAL RESULTS</b>	<b>15</b>
	6.1	Deployment of application for live usage	15
	6.1.1	Vercel edge middleware	15
	6.1.2	Heroku cloud	15
	6.1.3	App deployment status and screenshots	15
<b>7</b>		<b>CONCLUSION</b>	<b>18</b>
		<b>REFERENCES</b>	<b>19</b>
		<b>APPENDIX</b>	<b>21</b>

## **LIST OF FIGURES**

<b>FIGURE NO.</b>	<b>FIGURE DESCRIPTION</b>	<b>PAGE NO.</b>
3.1	EMPATHY MAP	5
3.2	CUSTOMER JOURNEY MAP	6
5.1	DATABASE DESIGN	12
5.2	APPLICATION WORKFLOW	13
6.1	DEPLOYMENT 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 TRAS ACTIONS	17

## **LIST OF ABBREVIATIONS**

<b>ABBREVIATION</b>	<b>FULL FORM</b>
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