



IJIRCCCE

e-ISSN: 2320-9801 | p-ISSN: 2320-9798



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

Volume 10, Issue 4, April 2022

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 8.165



9940 572 462



6381 907 438



ijircce@gmail.com



www.ijircce.com

Angel – The Blood Donation App

**Mohammad Anas Abdul Rahaman Nirban, Shivam Rajesh Yadav, Tanmay Sanjay Bhansali,
Harsh Santosh Bhoraut**

Final year Students, Dept. of I.T, Thakur Polytechnic, Maharashtra, India

ABSTRACT: Before this project Angel(The Blood Donation App) there is no other app in India, India is a developing country and due to its developing economy it is facing a lot of difficulties. Everyday in India there are 12000 deaths due to lack of blood. India has only 1270 Blood banks all over the country. It take 75 lakh to 1 cr to establish a blood bank that's the main reason why India is not having many blood banks. So considering all these situations we decided to solve this problem and we decided to create a solution for it, and the solution is Angel the blood donation app. Through this what basically what we going to do is that every person of India who wants to donate blood or receive blood will join this app. If suppose a person needs blood than he can open the app and find the donor near his location through this what will happen is two things first one is this problem lack of blood will be solved and second advantage is we don't need to pay for blood to blood bank.

KEYWORDS: android; application; users; Blood banks; User friendly; helpful etc.

I. INTRODUCTION

In today's world. In this 21st century humans have done a lot of progress through their IQ or intelligence. Humans developed many things, created everything, like nature has given us a lot the same way science and technology has also given us a lot. Today our life is fully dependent to science and technology. Still there is lot more to do or one can say a long race is yet remaining to be finished. So as our project is a android app that is Angel, it's a blood donation app, so now we will see what this app will do, what will be its contribution to the world, to the people what will be its benefits, why we have chosen it. Now let us see what this information is, yes you read it right we have searched it on internet that how many people in India die everyday due to lack of blood and the number came 12000 that means within a month three lakhs and sixty thousand and within a year forty three lakh and eighty thousand people die due to this small issue that required amount of blood not available. To solve this issue our Indian government is doing a lot, government is trying to open a blood bank in every area. But that's still a dream for India to have blood bank in every 10 or 20 Kms. So here is a bit fact that there are only 2760 blood banks in India. Isn't that too less. Now let us see why there are so less blood banks in India why this number is not in 5 digits at least. So here is the reason Yes you read it right and we also got shocked when we read it that it takes 75 lakhs to 1 cr to open a single blood bank in India. As India is still a developing nation so it is not having that much of fund to open lots of blood banks. So we took this thing very personally as a Indian citizen and also as a software engineer. We group decided to do something to make this problem solve. After that we again searched on internet, so we got a very good information. The story of Jeevansathi.com, India's first matrimony website. So here's a bit story that time there were only marriage bureau's in India. People who wanted to get married they use to go there given their profiles and after that according they use to make people meet based on their similarities in submitted profile. So at that time the founder of jeevansathi he also wanted to open a marriage bureau but he was not having enough fund. So he thought lets make a app through which people can connect on internet, upload their profiles and based on the matched similarities people will get suggestion and today we all know very well what he made and now there are very less bureaus in India and most people are on these matrimonial apps. So from here we got our idea and this idea would have all advantages and advantages and no disadvantages. So what this app basically will do is it will act like a dating app like in dating app the interested people register and they turn on their device location to find out the other interested people. So same like this there will be 2 kinds of people registering on our app the donors and receivers and they will create a profile and turn their location on so through this thing suppose if I need blood so I will just open my app and app will track my location and will show me the list of donors with their blood groups, so I will just contact them who are near the location and this is how this app going to work If this project gets successful in India there will be no need of blood banks to take blood and store

them in costly machines and after that sell that blood at a certain price. As blood price is very high in Mumbai it is 12000 rs per bottle. So of course it becomes very difficult for people to afford it.

II. RELATED WORK

Planning the contents and Design of the App

So this app will have a login and there will be users of this app and they will be of two types:- 1. Blood Donors 2. Blood Receivers. So when the user will install this app in mobile phone he will get a sign up page where if he is a new user he can create a new account or if he is already having an account he can log in with his username and password that would be unique. Once the user creates the account the user has to enter certain information:- Name, Age, Gender, Blood Group, Complete Address, He is blood donor or receiver, Contact number, Email Address. So here the app will have many options so one option will be user has to turn on his mobile location and after that he will see the list of donors and receivers options. If he will click on List Of Donors option he will see the list of donors available and similarly for receivers. So here suppose there is a person who needs blood so he will simply go to the app search for the donors available and there their blood group will also be written so the person when he will get his compiled blood type he will just open the profile and can contact the donor either through email or calling.

The aim of creating this app is to solve the below 4 problems

So there are 4 major problems that is faced in India which this app will solve, let us see those problems and their solutions:-

1. Less number of blood banks available in India due to lack of fund

Solution – Through this project people can directly use the technology and they don't need blood banks to get the blood the donors instead of going to blood bank to donate the blood they can directly go to the person who needs blood and donate it.

2. Blood price is Rs.12000 per bottle, so people find it difficult to afford it

Solution – Through this project the blood won't be stored in banks so there would be no expenses and people will directly give and take blood without the blood bank so it would be free of cost.

3. Doctors say that fresh blood is much preferred than stored blood for banks

Solution – So through this app the blood which people will get will be very fresh as donor would be donating right there

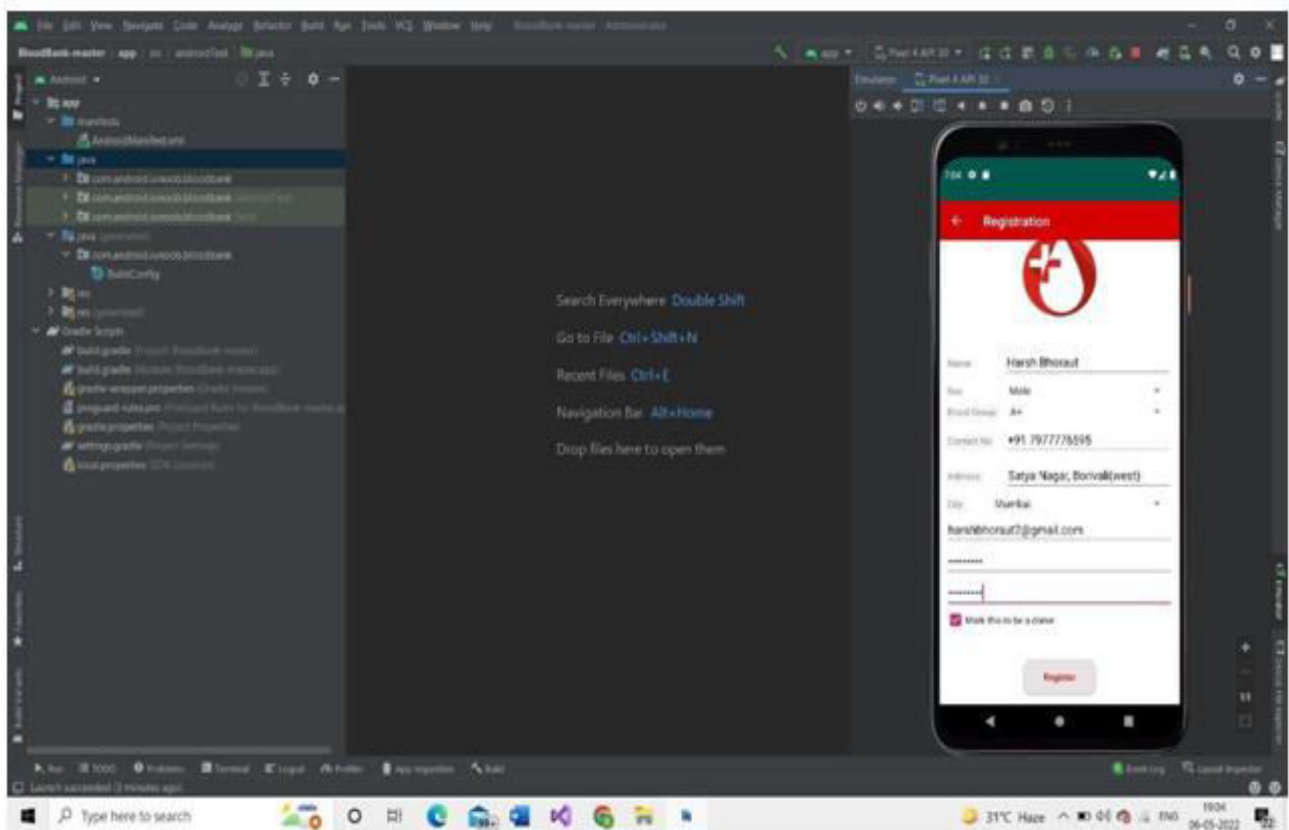
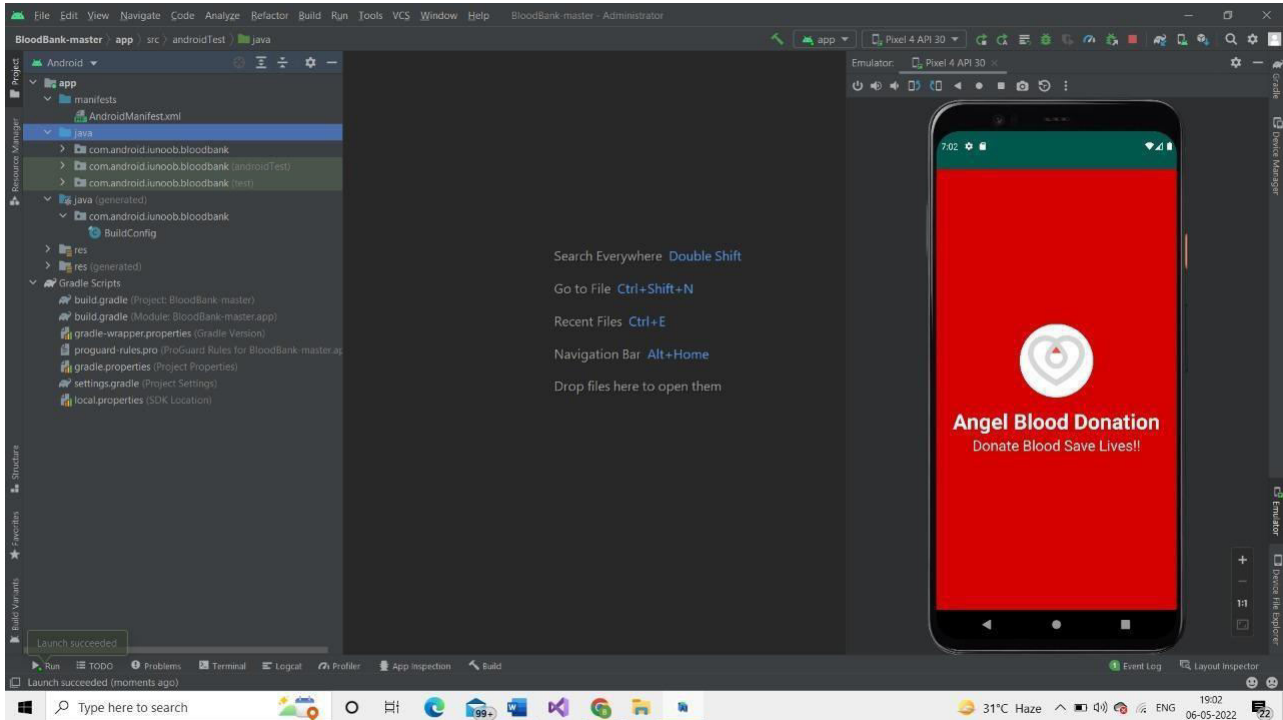
4. Sometimes even blood banks run out of certain group of blood Solution – Through this

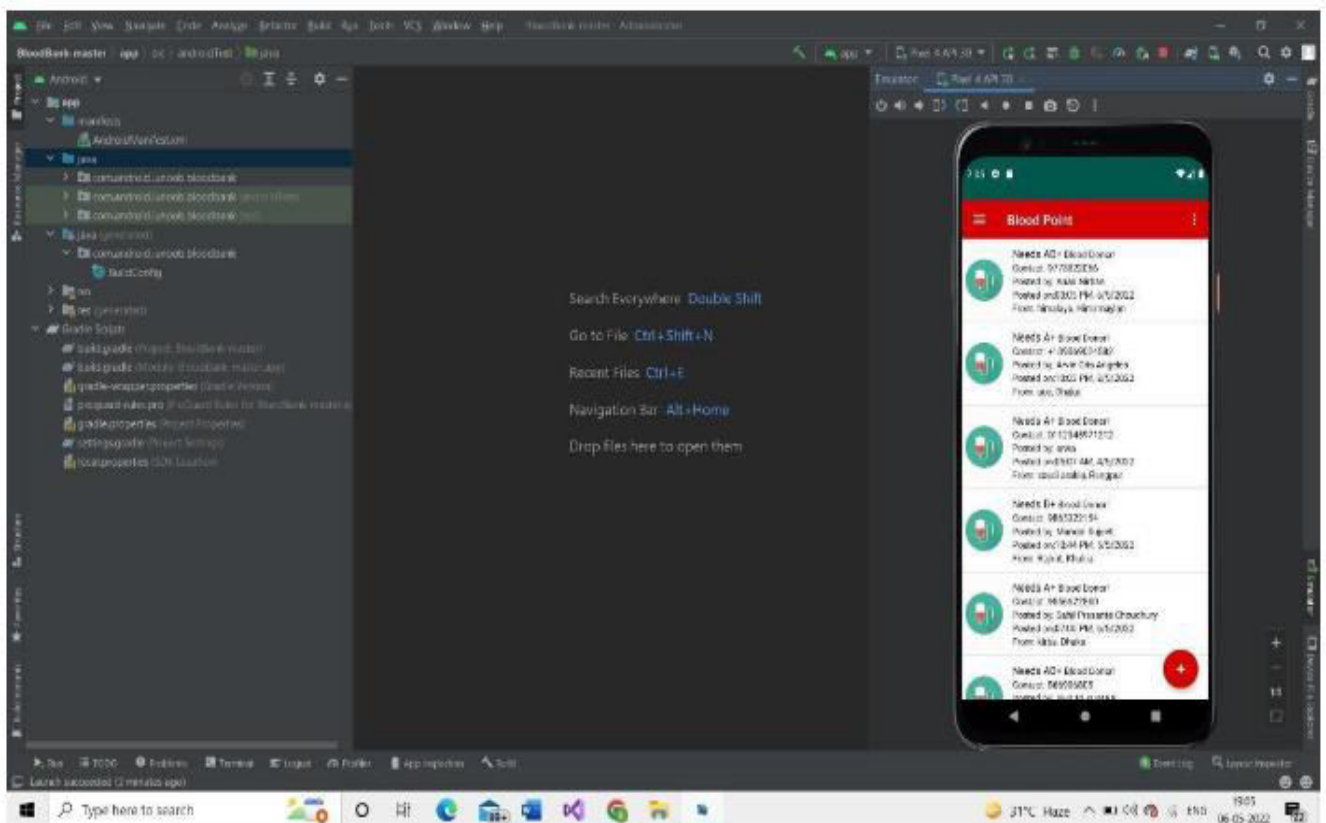
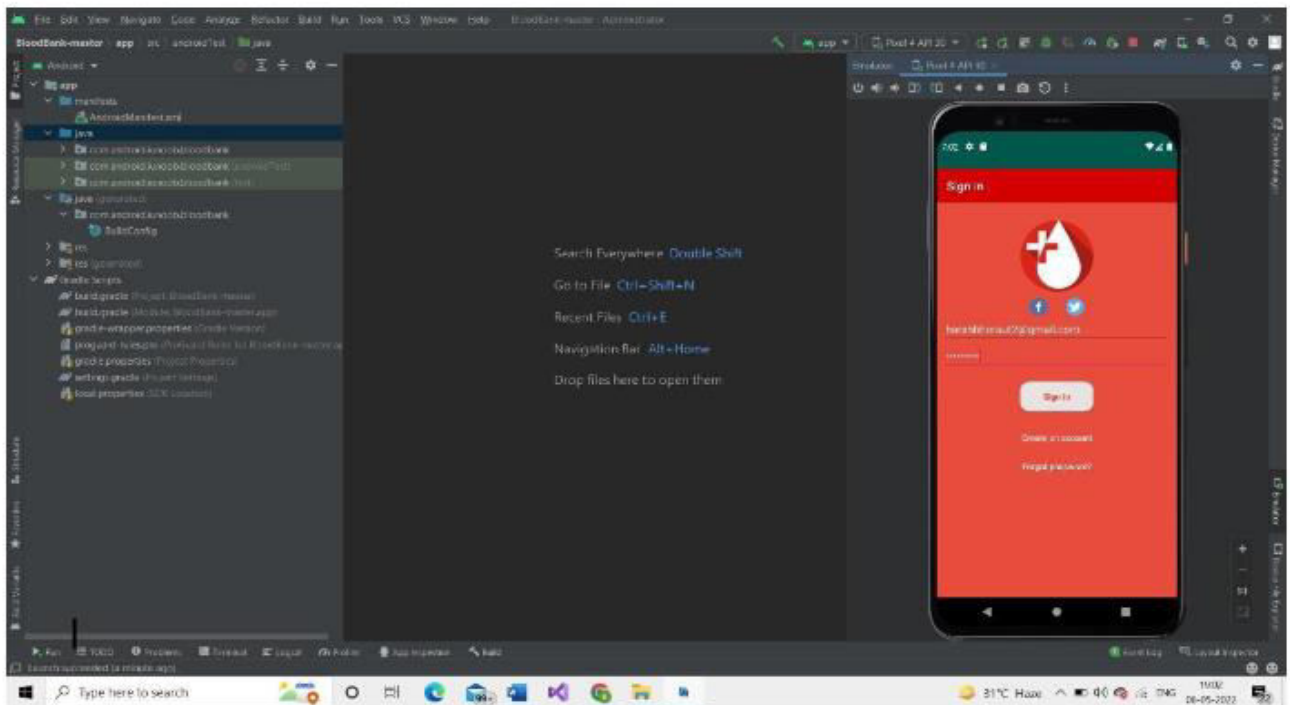
project such situation can be tackled very easily.

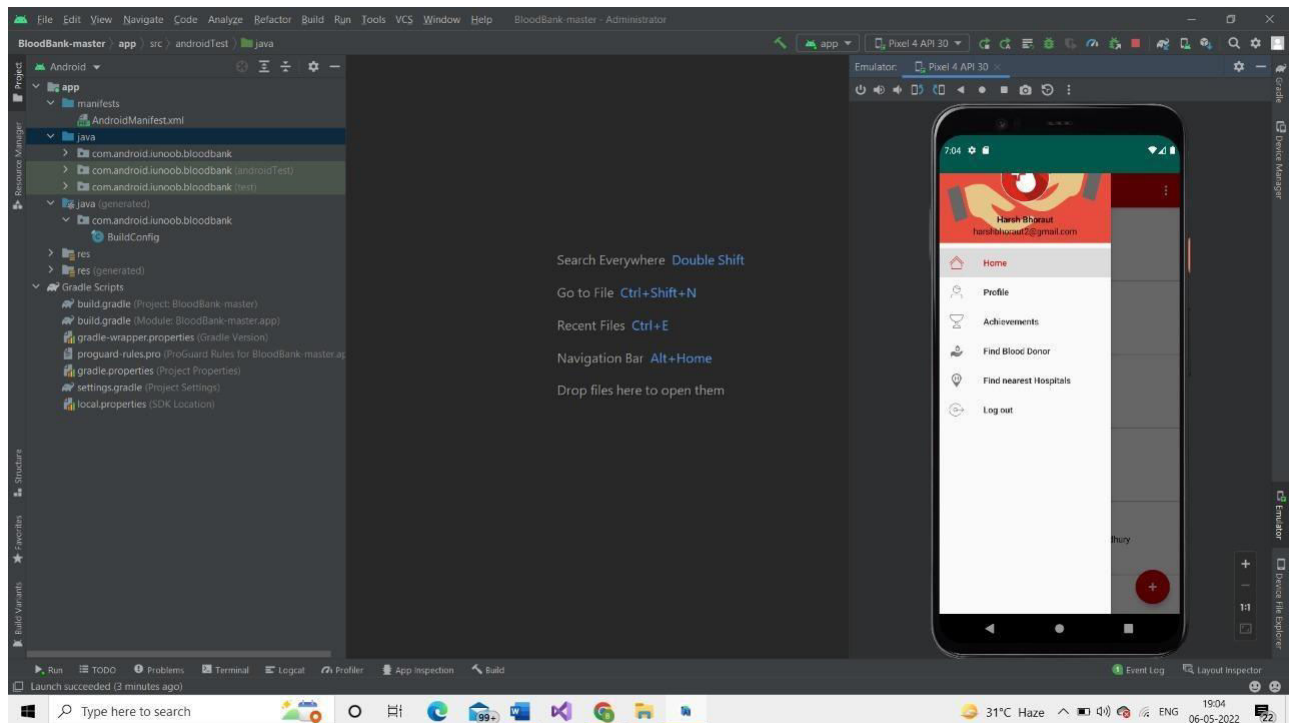
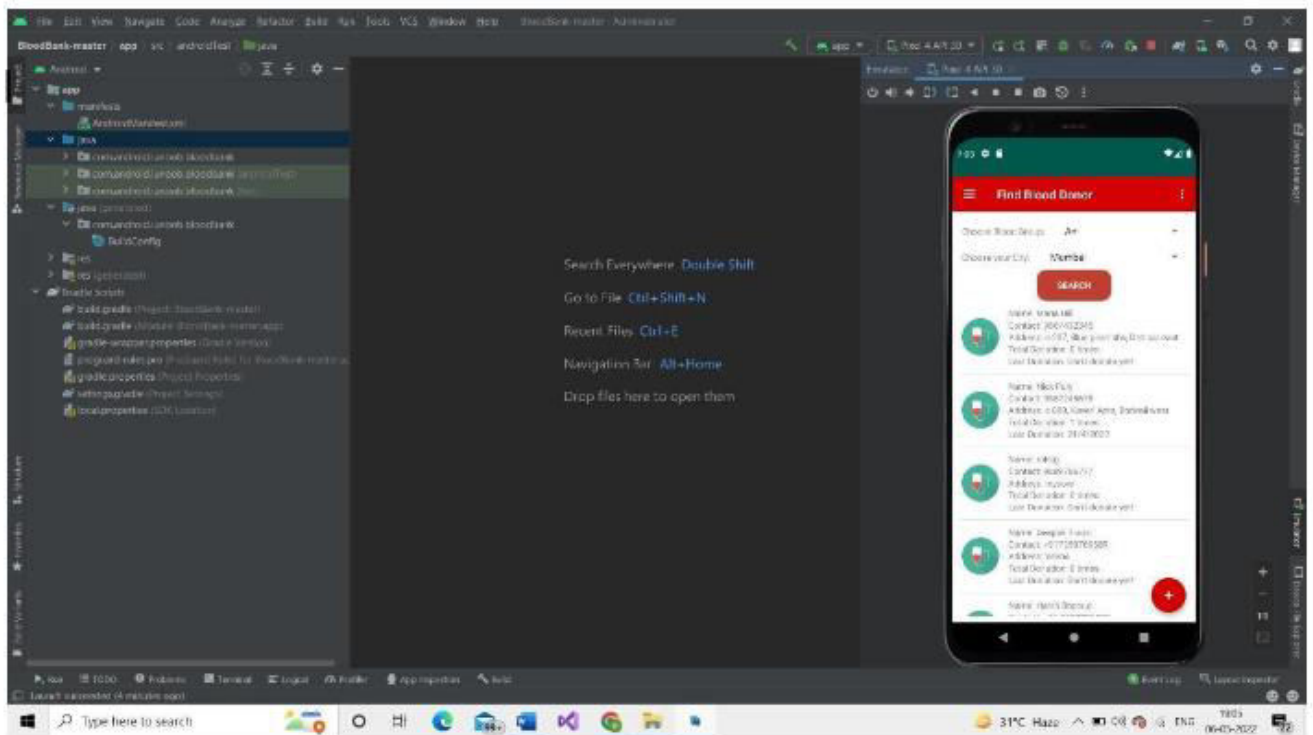
III. PROPOSED METHODOLOGY

All the members agreed to this topic and we planned our project in detail, such as, what should be included, what would be features and functionalities, etc. Everyone collectively come up with new ideas. We also took guidance of our teachers as they helped us and tried to solve our problems. They informed us about the changes to be made. After the discussion phase, we started working on our project. Many problems occurred but we all overcame the obstacles and successfully developed our project.

IV. SIMULATION RESULTS







V. CONCLUSION AND FUTURE WORK

Now here we have created this app that will manage donor and receiver for blood donation and through this app people will not die due to lack of blood. In future app will have location service like google map which will link all hospitals, emergency numbers, even we will try to convert this blood donation into organ donation.



REFERENCES

1. <https://abhiandroid.com/>
2. <https://github.com/topics/blood-donation>
3. <https://developer.android.com/>



INNO  SPACE
SJIF Scientific Journal Impact Factor

Impact Factor: 8.165

 **doi**[®]
CROSS **ref**

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

 9940 572 462  6381 907 438  ijircce@gmail.com



www.ijircce.com

Scan to save the contact details