



ATHWAS: THE NGO APP

Rida Naaz¹, Hafsa Nayeem², Syed Mohammad Athar³, Shahid Bhat⁴

¹ Student, Computer Science and Engineering, SSM College of Engineering, Kashmir, India

1ridanaaz@gmail.com

² Student, Computer Science and Engineering, SSM College of Engineering, Kashmir, India

hafsahnay@gmail.com

³ Student, Computer Science and Engineering, SSM College of Engineering, Kashmir, India

atharsyedgadri@gmail.com

⁴ Assistant Professor, Computer Science and Engineering, SSM College of Engineering, Kashmir, India

shahid@gmail.com

Abstract:

NGO Activity is an app designed to improve the coordination between the users and the NGOs. Through this app, users and NGOs can work simultaneously on the same platform so as to provide maximum benefit to the society. Using this app the user can easily look into the different areas of multiple NGOs and choose the one which he is ready to contribute in. Also, while using the platform, the user can easily reach the location of various events organized by different NGOs. Through this application, people will be able to connect to multiple NGOs and help those in need. This Android Application will be useful for admin, guest user and registered NGOs. Once the user is on the platform, they can indulge in different

activities like food donation and blood donation and can indulge in various activities and projects being undertaken by the NGO. Also when the NGO has been registered on the platform, they can easily promote their services and can reach to a larger audience on a single platform. NGOs are still working through conventional methods which often involve tedious paperwork. Even donations are taken manually so it becomes difficult to keep records of all those funds manually.

This application would help us access the less fortunate and needy people to provide them with donations and services.

The logo is a shield-shaped emblem. At the top, the word 'JETIR' is written in a large, serif font. Below it, there is a circular arrangement of five colorful petals (red, yellow, green, blue, and purple) resembling a flower. The entire emblem is surrounded by a laurel wreath. The word 'INTRODUCTION' is centered over the lower part of the emblem.

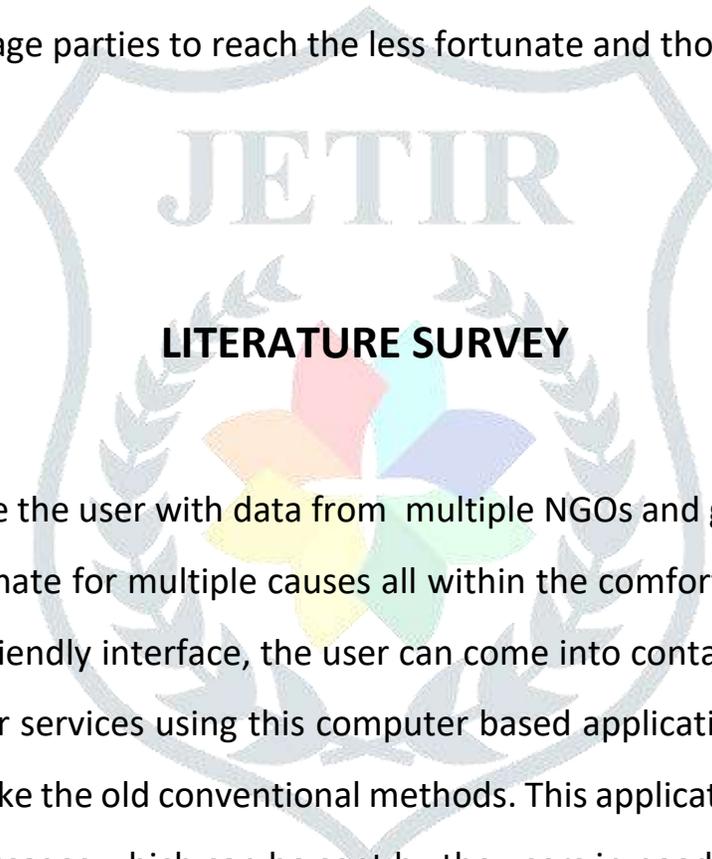
INTRODUCTION

The NGO App is an Android Application through which user can see and participate in the activities of NGOs. NGOs are constantly working in the betterment of the society through their selfless and uplifting work. This android Application can be helpful for both admin, guest user and registered user. A guest user will only be able to access all the features by registering himself after providing the details. Once the user has been registered they can indulge in various activities like Food Donation, Blood Donation and be updated with the status of different projects being undertaken by the NGO. It can also be used to setup book donations and books can be provided to those who cannot afford them. Admin has all the powers to control the registered users and work on the feedback given by users to improve app performance and make it more user friendly.

BACKGROUND

For NGOs there are some online services but more often offline services are used. NGOs are still working through conventional methods which often involve very tedious paperwork. Even donations are taken manually so it becomes difficult to keep records of all these funds manually.

This application would also help with the excess food which is usually left over in large gatherings or marriage parties to reach the less fortunate and those in need.



This app will provide the user with data from multiple NGOs and give the user a hassle free platform to donate for multiple causes all within the comfort of the user's home. Through this user friendly interface, the user can come into contact with the NGOs for donations and other services using this computer based application. There is no need of manual work unlike the old conventional methods. This application also provides the service of S.O.S Messages which can be sent by the users in need and the authenticity of these messages can be checked via images and videos sent by the user to the respective NGO.

The system can manage members, events, donations etc. easily. Visitors and members can view all upcoming and headed events easily.

METHODOLOGY

The end goal of our project is clearly defined and is not going to change so we use waterfall methodology in our project. The waterfall method is a traditional approach to project management. In this method, tasks and projects are completed in a linear and sequential manner, and each stage of the project must be completed before the next one begins. the stages of waterfall methodology generally follows this sequence:

- Requirement
- Analysis
- Design
- Construction
- Testing
- Deployment and Maintainence

Hardware and Software tools and technologies used:

HARDWARE:

- Intel i3 Processor
- 500 GB Hard disk
- 4GB RAM

SOFTWARE TOOLS AND TECHNOLOGIES:

- GUI
- Java JRE&JDK 1.8
- Android Studio 3.0.1



- **TECHNOLOGY**

Android API

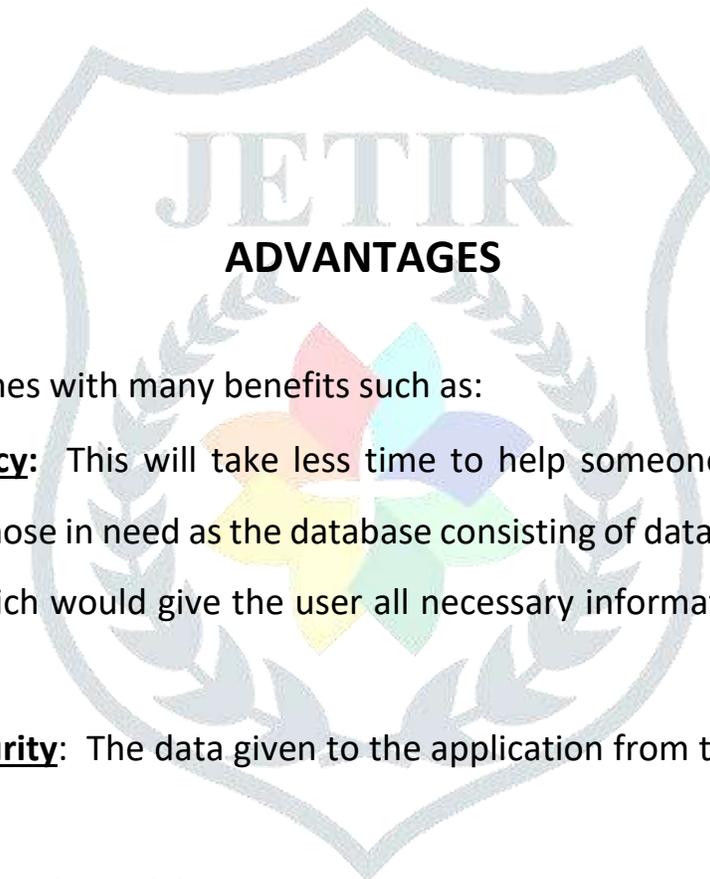
JAVA

XML

DATABASE

MySQL

SQLite



This application comes with many benefits such as:

- **Time efficiency**: This will take less time to help someone. Services would be provided to those in need as the database consisting of data from different NGOs is created which would give the user all necessary information before making a decision.
- **Provides Security**: The data given to the application from the user will never be disclosed.
- **Observation**: Daily activity related uploads and upgrades from different NGOs will be a great way to keep track of the works undertaken by the NGOs.

FUTURE SCOPE

In the future we should be able to add more modules in this project. In the proposed system, advancements can be made by adding a payment gateway on the app itself so that people can donate money to various NGOs through this app. Also, we can add the feature of raising funds e.g, if somewhere there has been a fire, the NGOs can create a fund raising event on the app so that the users can easily participate in the fund raising campaign and donate easily via the application. We can further improve user and NGO coordination by introducing different features in the app so that every penny donated reaches the right cause. Solid waste management can be broadly categorized as segregation, collection and transportation. The server will collect the data and store it in the database. This data will be analyzed and displayed on two different dashboards that can be accessed by the workforce and clients. Using data analytics, reports will be generated which can be monitored by the admins through the admin dashboard. Based on the data collected, garbage trucks can be given and routes generated through various algorithms and google map API. This app can be further extended by adding more features to protect the environment with the help of technology. we can also add the feature of getting birth and death certificates online.