

# Educate Youth: Android App for Fund Donation

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## Abstract

The application “EDUCATE YOUTH APP” is developed to help for students who are in need of help for educational expense. The application vision is to connect donors and students on the same platform. The application allows student to register and apply for educational fund and eliminates the process of student visiting organizations for help, and provides an easy to use platform for donors to donate funds.

**Keywords: Android Studio, Donor, Education, Node JS, Organization, Scholarship**

## I. INTRODUCTION

This is an Android Application designed for the purpose of collecting funds from various people and donating it to the orphan or poor student for educational purpose. The application provides an interface to the users to eliminate the process of visiting orphans or organizations to donate funds and also for the students to apply for educational help.

There are many students who cannot afford education expenses or may be orphan. And on the other side, there are many people who want to donate or help a student for education and they are not able to help due to various reasons such as incomplete detail of a student or small amount of fund so on. The donor face no of hurdles like incomplete details of the student, the interested donation amount is less.

The main feature of this application is it helps users to donate the amount from a minimum of Rs 1 to the maximum as the desired amount. Then the amount will be distributed equally among selected students for their education. The distribution of amount among students is done on a regular small interval of time by verifying the information of the student provided and all this is done under some authorized supervision.

## II. EXISTING SYSTEM

In present system, if the students need help for the education he/she has to apply for government scholarship or have to go for other organization for help. In government scholarship process student need to apply through school or college and have to wait for few months to get fund. And there are applications for donation of blood and food [1] [2]. But no applications are for fund donation.

The student does not get help in time for education. On the other side interested donors need to find organizations its time consuming and funds need to be in sum minimum amount. Thus many users lack back from donating, and there is no interface between donor and student. In present time there is no platform or any system that accepts minimal donations from people of their desire small amount or system where many donors can directly communicate to the student in need.

## III. PROPOSED SYSTEM

The proposed system is an Android App which provides the environment wherein donors and students are connected through the application. The students can apply for help anytime from anywhere. Donor can view the request and donate the funds to the student. In this application students and donors from different states and cities can connect together for donation process.

The donor has two ways of donating funds for the education of students. First, donor can donate to a particular student directly. Second, donor can donate randomly, where his donation is divided equally among different students. Donation is done only for authenticated students. Android Studio is used to design and develop the application interface. NodeJS is used to provide functionalities like storing and retrieving data from database, reading and writing functions for file system and other functionalities for applications.

#### IV. SYSTEM ARCHITECTURE

Figure 3.1 explain the proposed system architecture. The system has set of modules to perform set of functionalities such as registration, apply for scholarship, Donating amount for individual person or to an organization.

##### A. Individual Registration

The person who wants to donate can register himself as an Individual category.

##### B. Organization Registration

Any organization that is interested to donate to the student's education can register as an organization category and sign up to the system by filling required information

##### C. Student Registration

A student who is in need of Education expense can sign up to the application as a student by providing necessary details and certificates for verification.

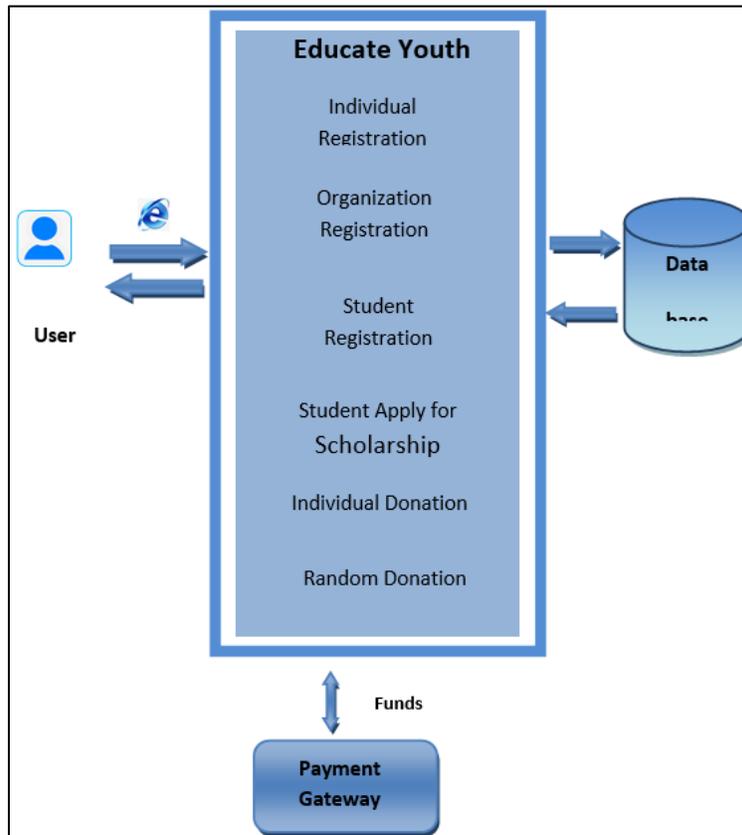


Fig. 3.1 System Architecture

##### D. Student Application for Scholarship

Once the student is registered and verified then the student can apply for help by specifying the details of his course or studies and sum of amount needed.

##### E. Individual Donation

After Registration donor can login to application using their credentials and they can choose any student request from the home page to donate to that Individual request.

##### F. Random Donation

Here donor can donate the fund to the application and amount will be distributed to random students who are in need of help.

## V. SYSTEM IMPLEMENTATION

Proposed system has been implemented as an android application to support different activities of each user. Each user is provided with login credentials to support security. Each user is allowed to perform set of functionalities based on the category of user such as donor and recipient. The following diagram shows the data flow diagram of the system.

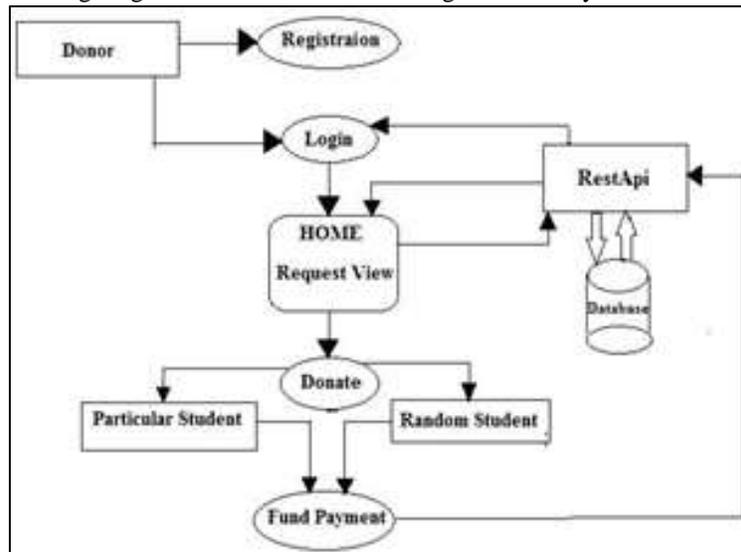


Fig. 4.1: DFD of Donor

Figure 4.1 shows the process of user as a donor. The donor has to register first and then login to the application. Then donor will be directed to the home-page which displays Individual and Institution donors list, navigation for student request view. The donor can donate funds from Fund payment gateway. All the information processing will be processed by Web module and stored in the database.

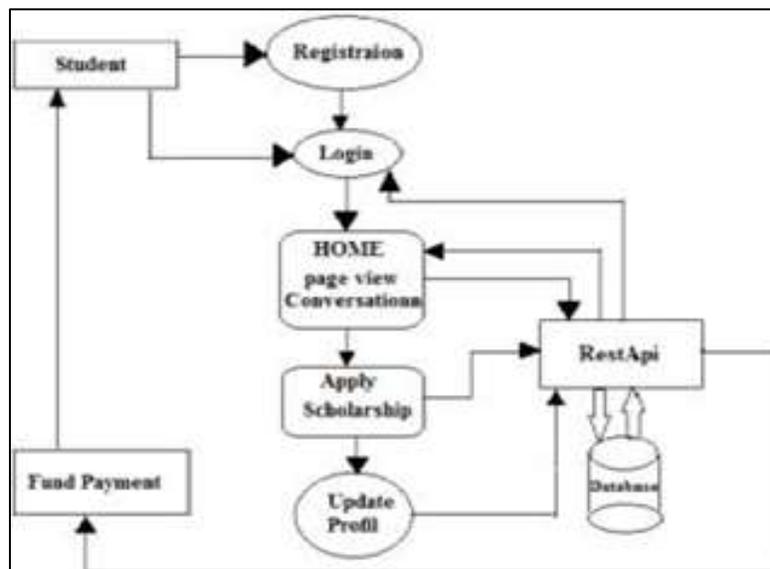


Fig. 4.2: DFD of User

Figure 4.2 shows the process of user as a student. The students have to register then login to the application. Then student will be directed to the home-page. It has navigations like conversations, scholarship form and profile view.

The student can apply for scholarship by filling form and submitting. The student will be verified then he/she can receive funds from the donor.

Software application that implements proposed idea is shown below.

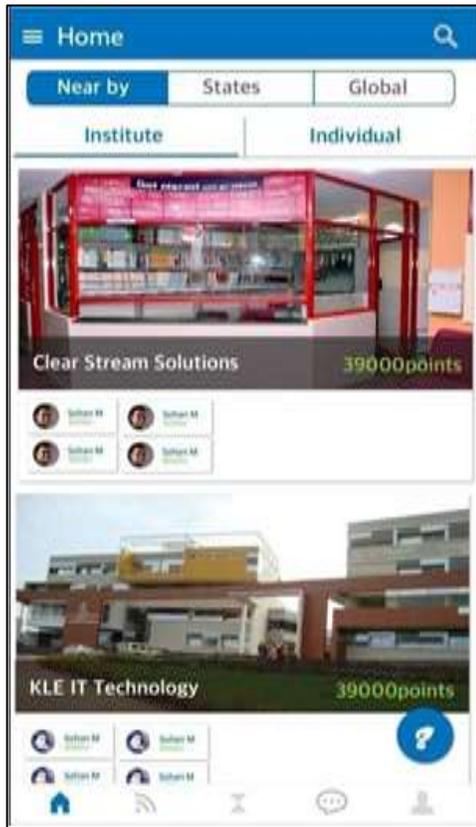


Fig. 4.3: Organization Home Page



Fig. 4.4: Individual Home Page



Fig. 4.5: Donation Option Prompt

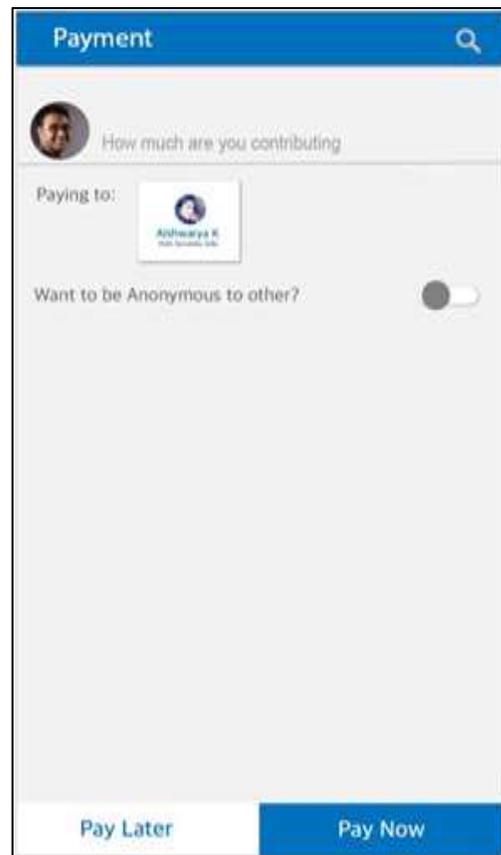


Fig. 4.6: Payment

## **VI. CONCLUSION**

There are many applications for donating blood and food wastage. The Educate Youth is an Android application which helps donors to donate fund to needy students and orphans. It helps donor directly to communicate with recipient who is in need of it. It avoids the corruption involved in the process as he is going to donate to the needy and verified student of an institute.

## **REFERENCES**

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