

## Admiring Gift Web App

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**Abstract** - Our fundraising web app incorporates cutting-edge technology to streamline the process of donating to people in need. We use AI FAQ, which is based on a voice assistant with React JS and Alan AI, to provide a user-friendly platform for new donors and volunteers. While traditional Bitcoin and Ether donations on the blockchain can be expensive, we have implemented a blockchain algorithm called Proof-of-Donation (PoD) that allows for automatic deposits to the Admire Gift account by simply scanning a QR code. Once donors and volunteers have provided help to those in need, they can upload a picture as proof, which will be approved by the admin. The volunteers and donors will then receive a certificate of achievement and become members of the "Admire Gift" community. The admin provides rewards to volunteers and donors on social media, inspiring and motivating others to join our cause. We used the PHP library TCPDF to generate the certificates, and all the programming was done in PHP. Our web app's innovative approach to fundraising events, combined with our blockchain-based and AI FAQ donation system, presents an optimal fundraising strategy for charities in India.

**Key Words:** AI FAQ, voice assistant, React JS, Alan AI, Bitcoin, Ether, Proof-of-Donation, TCPDF, PHP library.

### 1. INTRODUCTION

In recent years, charities and non profit organizations have faced pressure from a number of sources – governments at all levels have cut back on the funding of social services, the number of non profit organizations has grown, and the scope of services provided by charities, non profits and non-governmental organizations has expanded. The limited amount of government funding that is available has become more restrictive in terms of how it may be used, with a marked preference for project-related costs and fewer opportunities to cover administrative or capital costs, new funding sources must be sought [1].

Donors, governments and the general public are demanding increased transparency and accountability at the same time as some fundraising techniques have been the subject of critical, primarily negative, appraisals. Clearly, the environment in which Indian charities operate is volatile and complex, requiring the skilled management of the fundraising function by charities of all size. To address the need for funding sources, innovative fundraising methods must be sought. Our fundraising web app uses AI FAQ and

blockchain-based Proof-of-Donation (PoD) algorithm to assist donors and volunteers in easily donating items to people in need. After providing help, donors and volunteers receive a certificate of achievement and become members of "Admire Gift," receiving rewards on social media. Our web app's approach to fundraising can be adopted as an overall strategy for charities in India.

### 2. LITERATURE REVIEW

The literature review for a donation web app or fundraising web app would include research on various aspects such as the importance of online fundraising, the role of social media in fundraising, the impact of transparency on donor behavior, the benefits of crowd funding, in fundraising.

One study by Sargeant and Jay (2014) found that online fundraising is becoming increasingly important for charities, with donors being more likely to donate through digital channels. Another study by Smith, et al. (2018) showed that social media can be an effective tool for nonprofits to raise awareness and funds, with visual content being particularly effective.

Research also suggests that transparency using Blockchain algorithm Proof-Of-Donation (POD) is crucial in donor decision-making, with donors being more likely to donate when they perceive a charity as transparent (Breeze et al., 2017). Crowdfunding, where multiple donors contribute small amounts to a larger fundraising goal, has also become popular in recent years due to its potential to reach a wider audience and raise funds quickly (Majchrzak et al., 2017).

Finally incorporating AI into a fundraising web app could involve using natural language processing to analyze social media data and identify potential donors, as well as using chatbots to provide support and answer FAQs. Research on the effectiveness of these AI-driven features could also be included in the literature review (Zichermann & Cunningham, 2011).

### 3. METHODOLOGY

We propose a web app to connect people with donor for sharing extra stuff (clothes, goods, or money) with the poor and needy using AI and blockchain algorithm Proof-of-Donation (POD). The current manual process makes it

difficult to ensure timely delivery of aid. Our app allows people to post information about the stuff they want to share, and registered NGOs are notified of its availability using AI.

This streamlines the process and ensures aid reaches those who need it. The Admire Gift web app manages and stores fund information. The web app helps donor, volunteer and needy people keep track of available help using blockchain algorithms. It is essential for organizations to continuously monitor help, rewards, and penalties. Manual tracking is tedious and prone to mistakes. [2]

The Admire Gift web app provides a simple set of features to manage and update members, help, and rewards in an organization. It also offers resources for users to effectively study and make use of the system. A key advantage of the Admire Gift web app is that users have access to information 24/7.

Following are used in web app

### 3.1 Alan AI

Alan AI is a platform that enables developers to add voice interfaces to their applications. It uses natural language processing (NLP) technology to understand user input and generate responses in real time. Developers can use Alan AI to build custom voice interfaces for a wide range of use cases, from simple voice commands to complex conversational interfaces [3].

### 3.2 Proof-of-Donation(POD) :

Proof of Donation (PoD) is a blockchain algorithm that allows for automatic deposits to a recipient account by scanning a QR code. PoD is a smart contract that verifies the donation by checking the transaction on the blockchain. Once the donation is verified, the recipient account is credited automatically. This algorithm provides transparency and accountability in the donation process and reduces the possibility of fraud. PoD can be used in various scenarios where donations are made, such as fundraising events, charitable organizations, disaster relief, and more [4].

### 3.3 TCPDF :

TCPDF is a PHP library for generating PDF documents. It stands for "TCPDF - PHP class for PDF". TCPDF allows developers to create and manipulate PDF documents programmatically using PHP.

### 3.4 phpMyAdmin:

phpMyAdmin is a free and open-source administration tool for MySQL and MariaDB. It allows users to manage databases, tables, and data through a web-based interface

### 3.5 ReactJS:

ReactJS is commonly used for building user interfaces for web applications. It allows for the creation of reusable UI components, making development faster and more efficient.

## 4. SCOPE

Admire Gift web app is to provide a user-friendly platform for people to share their extra stuff with those in need through a streamlined and efficient process. The app utilizes cutting-edge technology such as AI and blockchain algorithms to facilitate the donation process and ensure timely delivery of aid. The web app also provides a platform for NGOs to register and receive notifications of available aid.[5]

Additionally, the Admire Gift web app manages and stores fund information, tracks rewards and penalties, and offers resources for users to effectively use the system. The web app's 24/7 accessibility provides convenience for users to access information at any time. The proposed web app can potentially address the challenges faced by charities and non-profit organizations in India by providing an innovative and efficient fundraising solution.

## 5. EXISTINNG SYSTEM

Before the rise of digital technologies, most fundraising and donation campaigns were conducted offline. Donors would typically make donations in person or by mail, and charities would often rely on direct mail campaigns to solicit donations from potential supporters. These offline donation systems had a number of advantages, including the ability to establish personal connections with donors and to provide a physical record of donations [6].

However, offline donation systems also had a number of drawbacks. For example, it was often difficult to track donations and donor information, which could make it challenging for charities to manage their fundraising efforts effectively. In addition, offline donation systems were often less efficient than digital systems, as they required more manual effort to process and record donations.

To address these challenges, web app has organizations moved toward digital fundraising systems in recent years. These systems often use online platforms to collect donations, track donor information, and manage fundraising campaigns more effectively using block chain . While there are still some advantages to offline fundraising systems, digital systems have become increasingly popular due to their efficiency, scalability, and ability to reach wider audiences using social media

## 6. PROPOSED SYSTEM

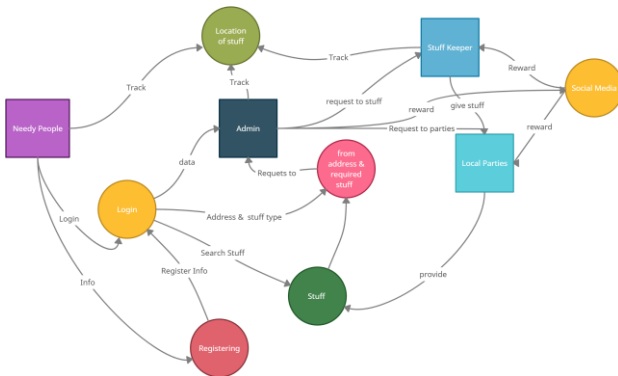


Fig-1 Proposed System

"Admire Gift," web app aims to connect people with donors for sharing extra items (such as clothes, goods, or money) with the poor and needy. The system uses AI and a blockchain algorithm called Proof-of-Donation (PoD) to streamline the donation process and ensure timely delivery of aid.

Users can post information about the items they want to share, and registered NGOs are notified of its availability using AI. The web app manages and stores fund information and tracks rewards and penalties. It also provides a simple set of features to manage and update members, help, and rewards in an organization.

Users can receive a certificate of achievement and become members of the "Admire Gift" community after providing help, and they can also receive rewards on social media. The proposed system's 24/7 accessibility provides convenience for users to access information at any time. The Admire Gift web app offers a user-friendly platform for people to share their extra items with those in need through a streamlined and efficient process, potentially providing an innovative and efficient fundraising solution for charities and non-profit organizations in India.[7]

## 7. MODULE

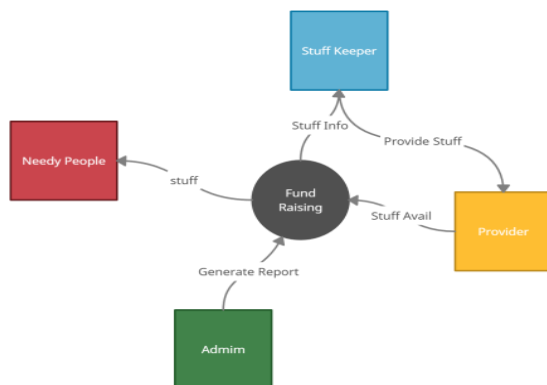


Fig-2 Module

The system has three types of users: Admin, Donor, and Volunteer.

**7.1 Admin :** The Admin can update their own profile, view donor and volunteer information, manage a list of needy people and NGOs, and make arrangements for donors to provide help.

**7.2 Donor :** The Donor can update their profile, view their arrangements history, and view images of needy people.

**7.3 Volunteer :** The Volunteer can update their profile, view their arrangements history, and provide stuff to needy people and NGOs.

## 8. RESULT

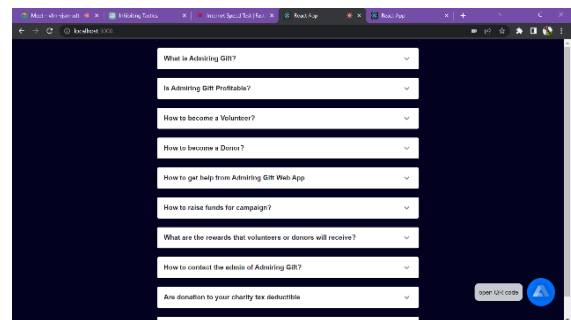


Fig 3.AI Faq

An AI FAQ is a feature that provides automated responses to frequently asked questions using artificial intelligence. It can also be integrated with voice assistants to make it easier for new users to access login pages, registration forms, and contact information for admins. In addition, it can provide quick access to resources like block chain QR codes, logins and social media pages using voice commands

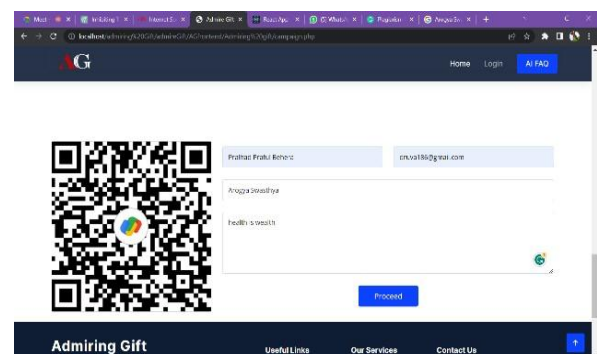


Fig 4.QR code

The Proof-of-Donation (PoD) blockchain algorithm enables automatic deposits to the Admire Gift account via QR code scanning for transparent and secure recording of donations on the digital database that records transactions with a unique code for each donation.



