



Department of Computer Science & Engineering Artificial Intelligence & Machine Learning

A.P. Shah Institute of Technology

G.B.Road, Kasarvadavli, Thane(W), Mumbai-400615

UNIVERSITY OF MUMBAI

Academic Year 2022-2023

Synopsis on
“Online Ngo system”
Submitted in partial fulfillment of the degree of
Bachelor of Engineering(Sem-4)
in
Computer Science & Engineering
Artificial Intelligence and Machine Learning

By
Bhushan Salve(22206001)
Sakshi Rajeshirke(22206002)
Prathamesh Mane(22206003)
Sahil Shaikh(22206004)

Under the Guidance of
Prof. Mahesh Pawaskar

Abstract

- ▶ NGO are non-profit making agencies that are constituted with a vision by a group of like minded people, committed for the uplift of the poor, marginalized, unprivileged, underprivileged, impoverished, downtrodden and the needy and they are closer and accessible to the target groups.
- ▶ The main objective of this system is that it helps the Donor to offer charity in the form of Money or Goods by Just sitting at their homes.

Problem Definition

- Lack of Funds
- No Strategic Planning
- Absence of networking
- Lack of maintenance

Objectives

- ❑ To allow the users to become a part of the NGO in his/her desired field by filling up the required details.
- ❑ To allow the user to view the various details of the NGO like their innovations, work area, fields provide help, upcoming Events, partners, Vision - Mission, etc.
- ❑ This will help the admin to add upcoming events, keep a record who have donated how much and what, also to upload the videos and pictures of recently held events.

Literature Survey

Sr. No	Title	Author Name	Description
1.	Product Line Engineering for NGO Projects (IEEE EXPLORE 2015) [1]	Fabio Calefato, Roberto De Nicolò, Fillippo Lanubile	Non-governmental organizations (NGOs) are often plagued by very limited human and financial resources. In this paper, we show how product line engineering (PLE) offers an opportunity to increase the sustainability of software projects that rely on the help of NGO volunteers. Building on the case of an Italian NGO that supports assistive technologies, we propose a PLE model that only depends on the branching capability of a free version control system.
2.	Online Monitoring System(OMS) - An Online Tool for Centralized Monitoring of NGOs (IEEE EXPLORE 2012) [2]	Ravi Shankar, Narita	This paper proposes an online application that will help the NGOs to centrally monitor and track the progress of their work in a very detailed manner. This will especially benefit the NGOs that work in several locations and are scattered over a large distance. The head of the NGO can personally look into the work going on in all the cities. This online tool will allow different NGOs to create an account for themselves and then feed the details of their on-ground work; which can be monitored centrally.

Literature Survey

3.	Smart Contracts For NGOs and Startups using Blockchain (IEEE EXPLORE 2023) [3]	Mohil Sarvankar, Viraj Wasnik, Aditya Tarade, Payal Shah	This paper proposes an emphasizes the requirement of an Block chain based smart contract for NGO's and startup crowdfunding in the present circumstances. It also highlights the need of an online financial system for indigenous NGO's and seed fund utilization of startups. Conventionally, most charity organizations make use of hard cash for settling its transactions making the process less transparent. However, due to the COVID-19 pandemic, financial system has been largely affected.
4.	Internet as a Platform for Intersectoral Interaction between Government Officials and Non-Governmental Organizations (IEEE EXPLORE 2021) [4]	Alexander V Sokolov, Yuri A Golovin	The development of the Internet stimulates the intensity of interaction between government officials and NGOs. The global network facilitates this interaction, presents new forms and opportunities for it. However, for the very nature of this interaction, the basic characteristics of government officials and NGOs perception of each other and the existing relations among them are important.

Scope

- ❖ Deals with some social issues like women empowerment, girl child, gender issues, education, pollution, street children, slum dwellers, health, urban development, human rights, concerns of less privileged etc.
- ❖ It brings up people's concerns and issues to the government and policy makers non-profit making, voluntary, service-oriented/development oriented organization, either for the benefit of members or of other members of the population.

Existing System

Based on orientation

1. Charity
2. Service
3. Participation
4. Empowerment

Based on level of operation

1. Community-based organisations
2. City-wide organisations
3. National NGOs
4. International NGOs

Technology stack

☐ Front End

- Html
- Css
- JavaScript



☐ Back End

- Php (for database connection)
- MySql (for database)



Benefits for Society

- ✓ NGO's plays an important role in the social development of a state, nation or a community.
- ✓ For the proper development of a particular country or a region, it is very important to bring education and awareness to the people about their rights and duties.
- ✓ NGO's plays an important role in helping out the common man with their rightful demands and also try to help needy people in every possible way.
- ✓ We need to alert the people against the imposters and pretenders, which is generally the role of political parties which they do not tend to do effectively.

Applications

- Collect Donations from anywhere
- Collect Donor's detail
- Cost effective manner of raising funds
- Enhances viability and awareness
- And many more...

Conclusion

- ▶ Created Sign-in & Sign-up page.
- ▶ Created Dashboard .
- ▶ Created sidebar.
- ▶ Created database name and created tables like admin, user , category, register user, etc.
- ▶ Connected Front end with database using php.

References

Journal Papers

- [1] Calefato, Fabio, Roberto De Nicolò, Filippo Lanubile, and Fabrizio Lippolis. "Product line engineering for NGO projects." In *2015 IEEE/ACM 5th International Workshop on Product Line Approaches in Software Engineering*, pp. 3-6. IEEE, 2015.
- [2] Shankar, Ravi. "Online Monitoring System (OMS)-An Online Tool for Centralized Monitoring of NGOs." In *2012 IEEE Global Humanitarian Technology Conference*, pp. 208-213. IEEE, 2012.
- [3] Sarvankar, Mohil, Viraj Wasnik, Aditya Tarade, Payal Shah, Narendra Bhagat, and Surendra Rathod. "Smart Contracts For NGOs and Startups using Blockchain." In *2022 5th International Conference on Advances in Science and Technology (ICAST)*, pp. 476-480. IEEE, 2022.
- [4] Sokolov, Alexander V., and Yuri A. Golovin. "Internet as a Platform for Intersectoral Interaction between Government Officials and Non-Governmental Organizations (on the Example of Yaroslavl Region)." In *2021 Communication Strategies in Digital Society Seminar (ComSDS)*, pp. 130-135. IEEE, 2021.

Useful Links

- [6] <https://tools4dev.org/resources/5-reasons-your-local-ngo-needs-a-website/#:~:text=5%20reasons%20your%20local%20NGO%20needs%20a%20website,...%205%205.%20Internet%20usage%20is%20increasing%20>



Thank You