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Implementation of Android and web- based

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application for senior citizens

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This Abstract article presents comprehensive solution for the betterment of senior citizens through the introduction of a web portal and accompanying mobile application. The platform serves as a connecting point for elderly individuals and non – government organization, providing various services and resources that can improve their daily lives. One of the key features of the platform is the ability for individuals to donate unused items, thereby supporting not only the elderly population but also promoting eco- friendly practices through the reused of resources. In addition to providing support and resources, the platform also offers financial assistances healthcare services, and entertainment options to enhances the overall well-being of senior citizens. Furthermore, the platform provides a means for videos chatting, which can play a crucial role in reducing felling of loneliness and improving moods, thereby warding off

with the necessary support and resources, while also promoting a sense of community and connectness.

INTRODUCTION

We are introducing a web portal & App for senior citizens that can be helpful to improve their lives in many ways. Through our platform, most people will be able to donate unused things, NGOs who wants to support older people in society will be able to connect with them elder people who have to suffer so many problems at this age will get financial supports, healthcare, entertainment & many more that will make their life easy, peaceful & happy.

Seeing our friends, family and other loved once can brighten our days, make life more fun and even make difficult times easier, but what happens when it's simply not possible? During times that its's not feasible or even safe to visit a loved one, it can be detrimental to our mental health, and our

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depression and anxiety. The goal of the platform to improve the quality of life for senior citizens by providing them

important to find different ways to connect with those you love. With our web portal & App, elder people can have video charts with other people that can help to improve their mood. Video chatting can help them to feel less lonely, more engaged and can help to improve their mood. It can also ward away symptoms of depression and anxiety.

Many among India's old age people may be short of adequate clothing. Clothing donation not only make lives of the old age people better but also promotes the eco-friendly concept of recycling. In our urban homes, we have clothes that do not fit us anymore, as we grow up, they get old for us. So instead of storing the old clothes or throwing them away, donate used clothes because what is waste for you could be a resource for them.

LITERATURE REVIEW

Social Care is one of the very innovative ideas brought up by the professionals. People now can donate the unused things through our system. Needy people/NGOs can register our system and can take things from donors. The main objective of the project is to improve the quality of life of the Senior Citizens by providing basic amenities like shelter, food, medical care and entertainment opportunities.

METHODOLOGY

This project consists of two applications, the first is a web-based portal and second is an android application.

loved once's as well, causing depression and felling of isolation. This is why it's

This project also contains a video conferencing feature for the senior citizen.

The project will be deployed in a cloud like Firebase or Heroku.

Authorization:

Comprise different entities like the users, the administrator etc. Each entity is needed to sign in with a login ID and a password for granting access. These login ID and password can lead to further processes for registration which may be edit, delete, insert etc.

Database:

Messenger is a merging of communication and collaboration system, which combines communication technologies, like instant messaging, and various collaborative application. Social Care consists of four interconnected building block; consist of unified communication, presence awareness, contextualization and E-Collaboration portfolio.

Database module:

The database module will contain all the information about the login time, date, with their image on the server. The capacity of this module is to produce the rundown of elder people who are all logged IN then the admin can download the list from the database. Generated data is in large amounts so there must be large space so we will first compress

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Web portal is developed for registration of beneficiations. Backend team will take care of verification of the documents.

Android Application has Admin Activity, Provider Activity and Beneficiary Activity.

As we store data of elder people in the admin database, along with his location and image also other information. The application needs a large amount of storage. We used the data compression technique.

b) Data decompression

File is uploaded in the compressed format and if that uploaded file needs to be read then it has to be in decompressed format for easy reading. So, at the time of downloading this file the file automatically

FLOWCHART

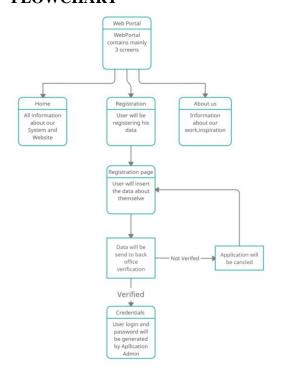


Fig. 1 b-Portal DFD

the data compression technique and then load to the database.

a) Data compression

PROJECT OUTPUT WEB PORTAL

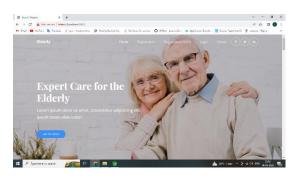


Fig. 3 Landing page.

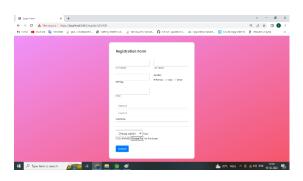


Fig. 4 Senior Register

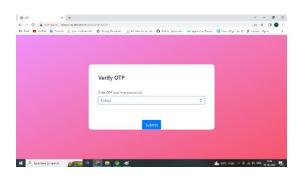


Fig. 5 OTP

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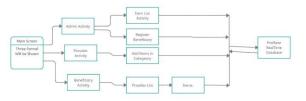


Fig. 2 Android DFD



Fig. 6 Home Verification





Fig.7 Admin Console

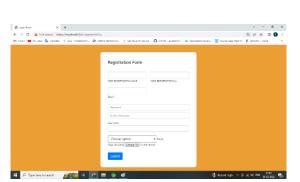


Fig. 8 NGO Register

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Fig. 10 Login Page



Fig. 11 Home Page

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Fig. 13 video conferencing 1



Fig. 14 video conferencing 2



Fig. 15 video conferencing 3

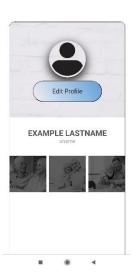


Fig. 12 Profile





Fig. 16 Chat

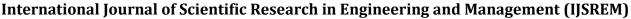
EXPECTED OUTCOME

Our web portal and android application helps to achieve the overall scenario between the NGOs and senior citizens

By the means of communication through our projects senior citizens will be able to fulfil their needs.

The main intention is to deliver the best resources to senior citizens through donors.

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CONCLUSION

The web portal and mobile application for citizens aims to provide comprehensive solution for the betterment of their lives. The platform connects elderly individuals with NGOs and provides a range of services and resources including financial supports, healthcare services, entertainments option, and video chat capabilities. By providing these resources and promoting a sense of community and connectedness, the platform aims to improve the quality of life for senior citizens, combat feelings of loneliness, depression, and anxiety, and promote eco-friendly practices. The expected outcomes of this project is a positive impact on the daily experiences of senior citizens, leading to a better and more fulfilling life.

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Improved Access to Resources and capabilities. By providing these resources and promoting a sense of community and connectedness, the platform aims to improve the quality of life for senior citizens, combat feelings of loneliness, depression, and anxiety, and promote eco-friendly practices. The expected outcomes of this project are a positive impact on the daily experiences of senior citizens, leading to a better and more fulfilling life.

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