International Scientific Journal of Engineering and Management (ISJEM) ISSN: 2583-6129
Volume: 05 Issue: 05 | May – 2026 DOI: 10.55041/ISJEM07310
An International Scholarly || Multidisciplinary || Open Access || Indexing in all major Database & Metadata

# Eldergo+ : Companion Assistance Booking System for Senior Citizens

**Dr. Krishna Gudi**
Department of Computer Science and Engineering,
K.S. Institute of Technology (Affiliated to VTU, Belagavi).
Visvesvaraya Technological University, Belagavi - 590018.
Bengaluru, Karnataka - 560109, India.
krishnagudi@ksit.edu.in

**Garv B Jain**
Department of Computer Science and Engineering,
K.S. Institute of Technology (Affiliated to VTU, Belagavi).
Visvesvaraya Technological University, Belagavi - 590018.
Bengaluru, Karnataka - 560109, India.
garvbjain_cse2023@ksit.edu.in

**HL Darshan**
Department of Computer Science and Engineering,
K.S. Institute of Technology (Affiliated to VTU, Belagavi).
Visvesvaraya Technological University, Belagavi - 590018.
Bengaluru, Karnataka - 560109, India.
hldarshan_cse2023@ksit.edu.in

**Harsh Mishra**
Department of Computer Science and Engineering,
K.S. Institute of Technology (Affiliated to VTU, Belagavi).
Visvesvaraya Technological University, Belagavi - 590018.
Bengaluru, Karnataka - 560109, India.
harshmishra_cse2023@ksit.edu.in

**Harshavardhan B K**
Department of Computer Science and Engineering,
K.S. Institute of Technology (Affiliated to VTU, Belagavi). Visvesvaraya Technological University, Belagavi - 590018. Bengaluru, Karnataka - 560109, India. harshvardhanbk_cse2023@ksit.edu.in

---

**ABSTRACT –** Many older adults need help with tasks. They have a time getting around and often live far from their families. It is also difficult for them to get to the hospital or go shopping. The options that are available now are not very good. They do not offer help and it is hard to get things coordinated. The people making decisions do not have the information they need to make choices.

That is why we made ElderGo+. It is a website that helps seniors find companions who can help them when they need it. ElderGo+ is a system that lets users book companions online and track where they are. The system has a way to send emergency alerts to people and get feedback from the users. This is really helpful because it keeps everyone safe. It also helps prevent things from happening to the users. The emergency alerts and user feedback are important, for keeping everyone safe and preventing things from happening to the users. The system assigns companions to users based on when they're available and where they are. It also thinks about what each user needs.

We used technology to build ElderGo+ and made it so that it can handle a lot of users. This means that ElderGo+ will work well even if a lot of people are using it. ElderGo+ helps older adults take care of themselves and stay safe. It also helps them have a life. It is a mix of technology and helping people that's good for seniors and also creates jobs, for companions.

**KEY WORDS**: Elderly Assistance, Companion Booking System, Senior Citizen Care, Real-Time Tracking, Emergency Alert System, Web-Based Application, Service Scheduling, Safety and Monitoring.

## 1. INTRODUCTION

The number of people is getting bigger and bigger and it is very important that we help them. A lot of people have trouble doing everyday things like going to the hospital shopping and getting the things they need because they are not as strong as they used to be and they do not have enough help. Usually,

family members help them. Nowadays family members are very busy with work and other things so they do not have as much time to help.

There are some services that help people but they are not very good. Some of these services only help with things and they are not easy to use when you need them. A lot of these services do not help you away when you need it and they do not make sure you are safe when someone is helping you. Because of this a lot of people have trouble being independent and feeling good about themselves.

To help with these problems we made something called ElderGo+. It is a website that lets you book someone to help you with things you need to do. This person can help you with all sorts of things. The website also lets you track where the helper is. It has a way to send alerts if there is an emergency. You can also give feedback about how things went.

We used the internet. Organized the services in a way that makes it easy to use and helps a lot of people at the same time. The website is a way to help older people because it has things like messaging, tracking where the helper is and a safe way to book someone to help you. This shows that technology can be very helpful in giving people the help they need and making them feel better. It is very important to make something like ElderGo+ that helps people, with getting around and also makes their lives better and more independent. ElderGo+ is a way to help older people because it helps them with a lot of things not just getting around.

## 2. METHODS

The proposed method is about making an efficient way to manage companion assistance services. It makes sure that users and their companions work together smoothly while keeping everything reliable and easy to use.

To make the web application we collected data in ways to understand what elderly people need and what problems they face. We did surveys using Google Forms to get answers about what elderly people need and what is hard for them. We also talked to people and their families to get a better understanding of what they go through.

When a user asks for a service, the platform finds companions who're available and close, by so we can match them with the service they need. We can track what is happening in time so we can keep everything safe and transparent. After the service is done users tell us what they think, which helps us make the platform better and more reliable.

All these parts work together using backend APIs so the user interface, database and other services can talk to each other smoothly. The companion assistance services are what make this platform work and the companion assistance services are what we focus on. The companion assistance services can help people.

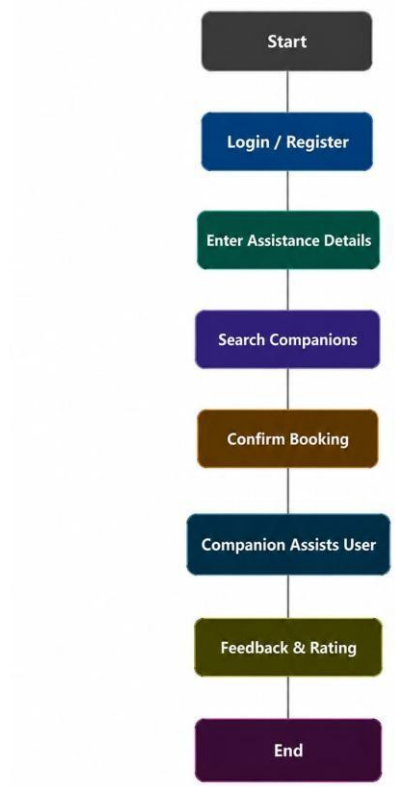


**Fig-1**: Methodology Flowchart

## 3. RESULTS

The ElderGo+ platform is really good at helping elderly users get around and do things they need to do. It lets them book people to go with them to places like the hospital, store and other places they want to visit. This means they do not have to ask their family members for help all the time. The system that matches users with companions is very good at making sure the right person is assigned to help them so they do not have to wait a time.

The ElderGo+ platform has a feature that lets users and their families see what is happening in time which makes everyone feel safer and more confident. This feature is very important because it helps users trust the people who are helping them. The ElderGo+ platform also makes sure that users and companions

can talk to each other clearly so everything goes smoothly.

The ElderGo+ platform has a system that lets users tell the company how their experience was, which helps the company make the service better. This is very helpful because it shows the company what they need to work on. The ElderGo+ platform is also very stable. Works well because all the different parts of the platform work together seamlessly.

The ElderGo+ platform is very good at doing what it is supposed to do. It helps users by letting them book companions track what is happening and give feedback all in one place. This makes the service work better. Makes users happier and more confident when they use the ElderGo+ platform.

In the end the ElderGo+ platform is a practical and useful tool for helping elderly users. It solves problems, like safety, accessibility and reliability and it can really improve the lives of elderly users. The ElderGo+ platform also helps users and companions work together better so users can get help when they need it. If the company keeps making the ElderGo+ platform and uses real-time data more effectively the platform will be even more efficient and easier to use in the future.

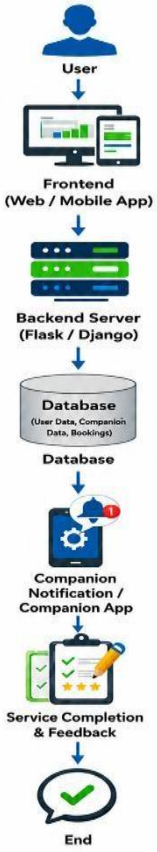


**Fig-2:** Application Architecture Diagram

## .4. DISCUSSION

The development of the ElderGo+ platform underscores the significance of merging technology with social care to tackle the challenges experienced by the elderly. While current solutions mainly concentrate on specific aspects like healthcare or general service booking, the proposed platform integrates various features into a single, easy-to-use interface. This combination enhances overall usability and allows users to access assistance services more efficiently.
A major finding is that safety and trust are crucial for the acceptance of such platforms. The ElderGo+ platform has things like real-time tracking and verified companions that help users feel safe. But for the platform to really work we need to make sure that companions are available people have internet and users know how to use it. We have to deal with these problems if we want a lot of people to use the platform.
The platform also shows that it can be made bigger and better in the future. If we add technologies like artificial intelligence and IoT to the ElderGo+ platform it will work even better and be more reliable. The ElderGo+ platform will be more efficient and provide better service if we use IoT. Overall, we can see that ElderGo+ is an idea that uses technology to help take care of elderly people and it also gives us ideas for more research and development, on the ElderGo+ platform.

## 5. CONCLUSION

ElderGo+ is a way to help older people get the assistance they need. It makes things easy by putting booking, tracking and safety features all in one place. This makes it convenient, reliable and safe for ElderGo+ users. ElderGo+ does a lot of good for individuals it makes their life better and it also creates jobs for people who want to help them. ElderGo+ helps elderly individuals be more independent and feel good about themselves because they get the help they need every day.

ElderGo+ brings technology and social care together which makes it easy for elderly individuals to get the assistance they need. With some work and if we use it in real life ElderGo+ can be a really big help, for elderly care and support systems it can be used by a lot of people and make a big difference.

## 6. ACKNOWLEDGEMENT

We want to say thank you to our guide, Dr. Krishna Gudi for always being there to help us and guide us throughout the project. We are also thankful to the teachers at the Department of Computer Science and Engineering for being nice, to us and giving us ideas.

## 7. REFERENCES

[1] K. Dahake, P. Gowardhan, N. Paul, P. Kore and R. Gahlod, "Elder Companion Enhancing Quality Life of Older Adults " International Journal of Trend in Scientific Research and Development 2024.

[2] V. Somani, T. Nandi, P. Gupta and K. K. Sethi, "Elderly Care: Elderly Well-Being Through Volunteer Engagement " in Proc. IEEE 4th Int. Conf. On ICT in Business Industry & Government Indore, India, 2024.

[3] P. Gowardhan, N. Paul and P. Kore "Elder Companion Enhancing Quality Life of Older Adults " International Journal of Trend in Scientific Research and Development 2024.

[4] V. Somani, T. Nandi, P. Gupta and K. K. Sethi "Elderly Care Through Volunteer Engagement " IEEE ICTBIG, 2024.

[5] A. Sharma "Healthcare Management Systems for Improved Services " International Journal of Healthcare Management 2021.

[6] M. K. M. Nasution, S. A. M. Noah and U. Harahap "Pharmacy Management Systems in Hospitals " Systematic Reviews in Pharmacy 2020.

[7] S R. Singh, "Smart Healthcare Monitoring System Using IoT " International Journal of Engineering Research 2022.

[8] P. Gupta and A. Verma "Web-Based Service Booking Platform Design," International Journal of Computer Applications, 2021.

[9] R. Jain and S. Mehta, "Real-Time Location Tracking Systems for Safety Applications " IEEE Access, 2020.

[10] N M. Shah, "Online Service Platforms and User Experience " Journal of Web Engineering 2022.

[11] A.K. Mishra and D. Singh "Smart Assistance Systems for Elderly Using Web Technologies " International Journal of Advanced Research in Computer Science, 2023.

[12] S. Reddy and P. Kumar "Emergency Alert Systems for Personal Safety " IEEE International Conference on Smart Systems, 2021.

[13] J H. Kim, "Design of User-Centered Web Applications for Elderly Users " Human-Computer Interaction Journal, 2020.

[14] T. Wang, Y. Zhang and L. Chen "IoT-Based Monitoring Systems for Elderly Care " Sensors Journal, 2022.

[15] K. Roy and S. Das "Service Matching Algorithms, in Online Platforms " International Journal of Computer Science and Technology 2021.