

# ■ Smart Elderly Care System

## Tailored Solution for Europe’s Aging Population

Provided by: SoftwareSoft

Prepared for: Sir

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### □ Project Summary:

As Europe's population ages, there is a growing need for smart, reliable, and GDPR-compliant elderly care solutions. This system is designed to provide **24/7 safety and real-time health monitoring** for seniors—at home or in nursing facilities.

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### 🎯 Objective:

To develop a **Smart Elderly Care System** that combines health tracking, fall detection, emergency alerts, and mobile monitoring — enabling families and caregivers to protect their loved ones effectively.

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### 🔧 Key Features:

Feature	Description
Fall Detection	Uses accelerometer & gyroscope to detect sudden falls.
Health Monitoring	Tracks heart rate, SpO2 (oxygen), and body temperature in real-time.
Emergency SOS Alert	One-press button sends alerts to caregivers/family instantly.
Mobile App	User-friendly interface for real-time monitoring (Android & iOS).
Cloud Dashboard	Centralized monitoring system for multiple users.
GPS Location Tracking	Ensures the elderly person’s safety wherever they are.
Voice Reminders	Automated reminders for medication, hydration, etc.
GDPR Compliant	All data is stored and processed under strict privacy laws of the EU.

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### 👤 Target Users:

- Elderly individuals living independently
  - Nursing homes and assisted living centers
  - Families with aging members
  - HealthTech companies and home-care startups
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### 💡 Technologies Used:

- **Mobile App:** Flutter (iOS + Android)
  - **Backend:** Firebase / Node.js
  - **Sensors:** Accelerometer, Gyroscope, Heart Rate, Temp, SpO2
  - **Cloud Dashboard:** Web-based Admin Panel
  - **Compliance:** Full support for **GDPR** (Data encryption, consent flow, secure storage)
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### 📅 Timeline:

Phase	Duration
Requirement Discussion	2–3 Days
UI/UX Design	3–5 Days
Development (App + Backend)	10–14 Days
Testing & Revisions	4 Days
Delivery & Deployment	2 Days

**Total Estimated Time:** 20–25 Working Days

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### 💰 Estimated Cost:

**Starting from €800** (subject to final requirements)

Includes: Full system, mobile app, dashboard, deployment, 1 month support

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### 📞 Contact:

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