

Social welfare Sector

- 
- 
- 01** | Fleet management and event logging application for vulnerable groups
 - 02** | Support system for the diagnosis of communication and speech difficulties in children using game technologies
 - 03** | Monitoring system for patients with cardiovascular problems and prevention of atrial fibrillation using smart watches

01 Fleet management and event logging application for vulnerable groups

The aim of the visit management software is to record in real time the movements and actions of the programme staff.

At the same time, both the municipality and the concerned citizen can have immediate information on the geographical location of the vehicles, as well as a better estimate of the time required until the service officers respond.



The real-time recording of the actions of programme staff includes information such as the route taken, the time spent on each visit, the actions taken during the visit and other relevant information. This information is recorded in real time and stored in a database.

Depending on the capabilities of the software and telematics modules, various displays and functions may be available:

- ✓ Real-time vehicle position monitoring
- ✓ Time of arrival and time forecast
- ✓ Timing of vehicle arrival and departure times, time of arrival and progress monitoring

02 Support system for the diagnosis of communication and speech difficulties in children using game technologies

The aim of the system is to provide automated diagnosis using intelligent computer models, software systems and sensors in groups of preschool children. Therefore, an automated system has been implemented that detects, groups and distinguishes high-risk groups with speech (communication) impairments. This system functions as a tool for assessment, counselling and early intervention.

1 Biomarkers

Biomarker data recorded by wearable sensors



2 Data collection

Combined data collection and evaluation (game responses, biomarkers and psycho-educational profile of children) with the possibility of remote operation



3 Smart system

Automated decision system for the extraction of detection, evaluation and interpretation recommendations in the field of communication



03 Monitoring system for patients with cardiovascular problems and prevention of atrial fibrillation using smart watches



Smart watches continuously monitor heart data such as heart rate, arrhythmia and heart rate variability.

Generate reports of recorded electrocardiogram data in PDF format.



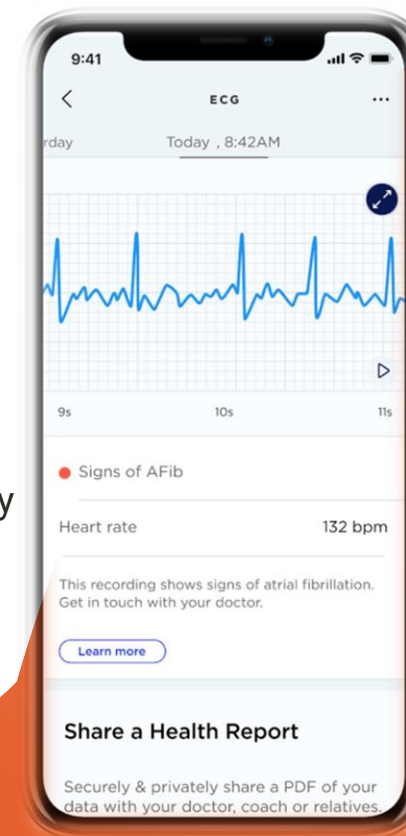
OCR technology converts scanned text into editable and searchable text, making it possible to extract relevant information from PDF reports.

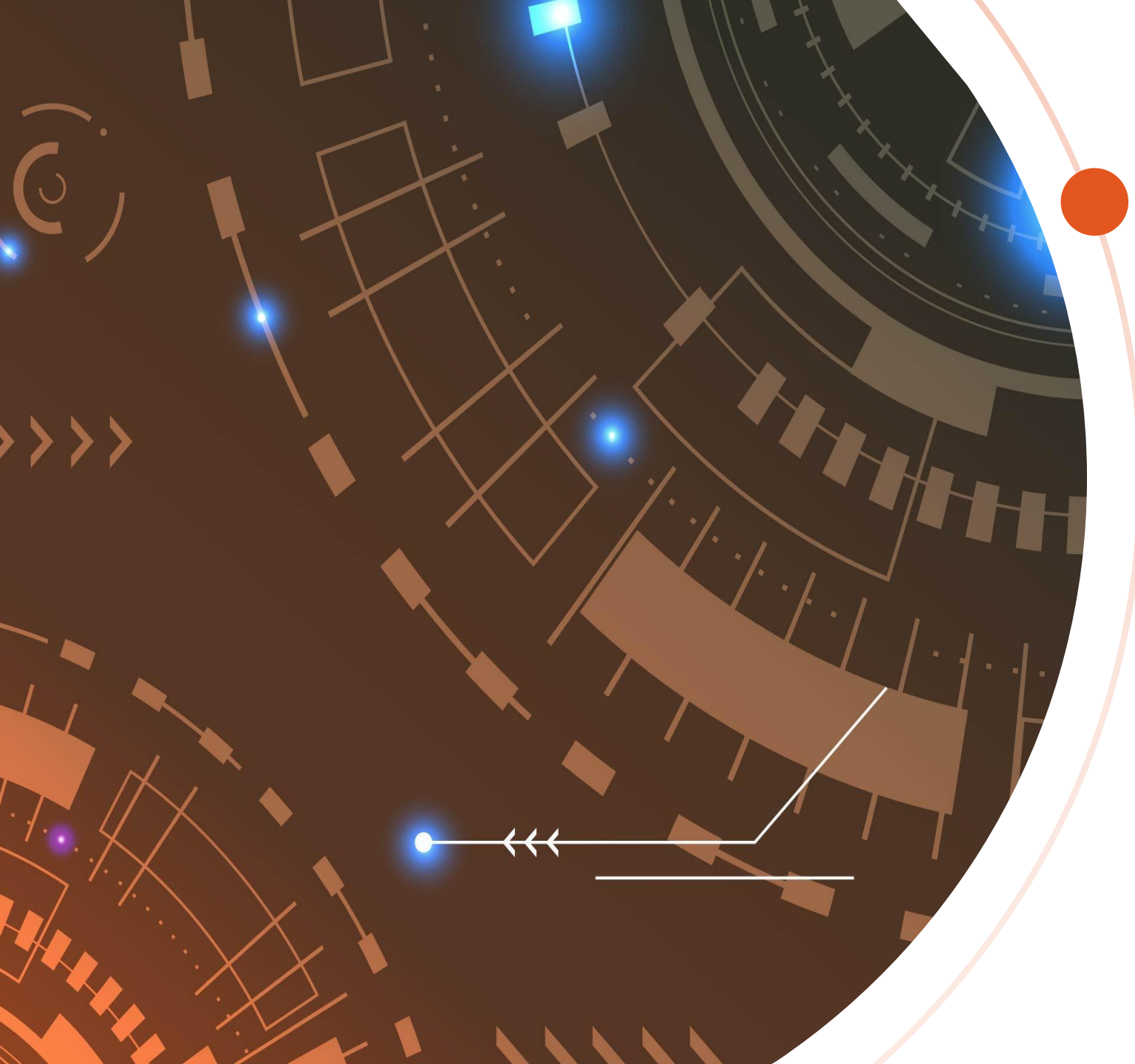
Digitization of analog electrocardiograms for software storage and analysis.



Filtering techniques to remove various interferences from digitized ECGs, ensuring the accuracy and reliability of the data for diagnostic purposes.

Data export in xls format.





Thank you!

 **DOTSOFT**
TECHNOLOGY+PROJECTS+SOLUTIONS
www.dotsoft.gr



smartiscity
www.smartiscity.gr