CONSORTIUM

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QuaLiSID

QUALITY OF LIFE SUPPORT SYSTEM FOR PEOPLE WITH INTELLECTUAL DISABILITY

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Project objective

The aim of QuaLiSID project is to develop an appropriate, fully functional and interactive support system for people with Intellectual Disability (ID), including the following services and capabilities:

⇒ Personalized suggestions according to the interests, habits, abilities, skills and current mood of each user

⇒ Detection of health emergency situations through the measurement of critical biomedical signals and parameters

⇒ Development, exploitation and intergration of state-of-the-art voice technologies to enable operation and control via “smart” mobile devices

⇒ Notifications and assistance provision through communication with carers or automatically by the system

⇒ Parameterization of the infrastructure for the implementation of future systems extensions to other languages

PROJECT SCOPE

The objectives of the QuaLiSID project include:

* Design and development of tools and services to enable active, independent and good quality of life of people with ID

* Development of an integrated platform for recording, managing and exchanging information in a secure way

* Development of a system that will cover multiple needs, apart from monitoring medical indicators

* Adaptation of system functionalities in order to be easy to use and provide services to different groups of people according to their ID level

* Validation and evaluation of the multi-functionality system in real-time by several potential users of varying ID levels

* Production of a prototype that will be commercially marketed, exploiting system capabilities and user evaluation

* Market analysis and study of mechanisms for promoting innovative products and solutions for people with ID

* Collaboration and empowerment of social, business, academic and research foundations for improving the living standards of people with ID

* Formation and development of social responsibility and ethics within society, research and business community, aiming to provide supportive services and products for people with ID and offer practical solutions to address related issues and meet their everyday needs

EXPECTED RESULTS

Project results are expected to have a strong impact in several areas. The services offered will be easily accessible and adapted to the needs of people with mental retardation and more specifically to the existing groups covering different levels of ID. The final product of the project will be an innovative system for Greek standards due to the integration of multiple functionality, ready to be marketed and to capitalize on knowledge and evaluation during its application to the user-organization in real conditions. Discrete project results include:

◊ Development of a web application to access websites aimed at people with mental retardation

◊ Development of a data management platform from interaction with the internet and data from sensors and mobile devices for dynamically updating the user profile

◊ Development of automated services and voice functions on smart mobile phones adapted to be used by people with mental retardation