Examples on how ICTs support care of IDs

UNIT 4: "MY NEW AGEING ME" INTERACTIVE TRAINING PLATFORM

MODULE 4.1

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Stimulus

Source: stimuluspro.com

Cross-platform:
◦ Android Tablet/Smartphone
◦ Web

Register users and track evolution

Create and edit activity plans

Virtual reality

Safe settings to practice skills

Emulation of the real world to:
- promote independent living
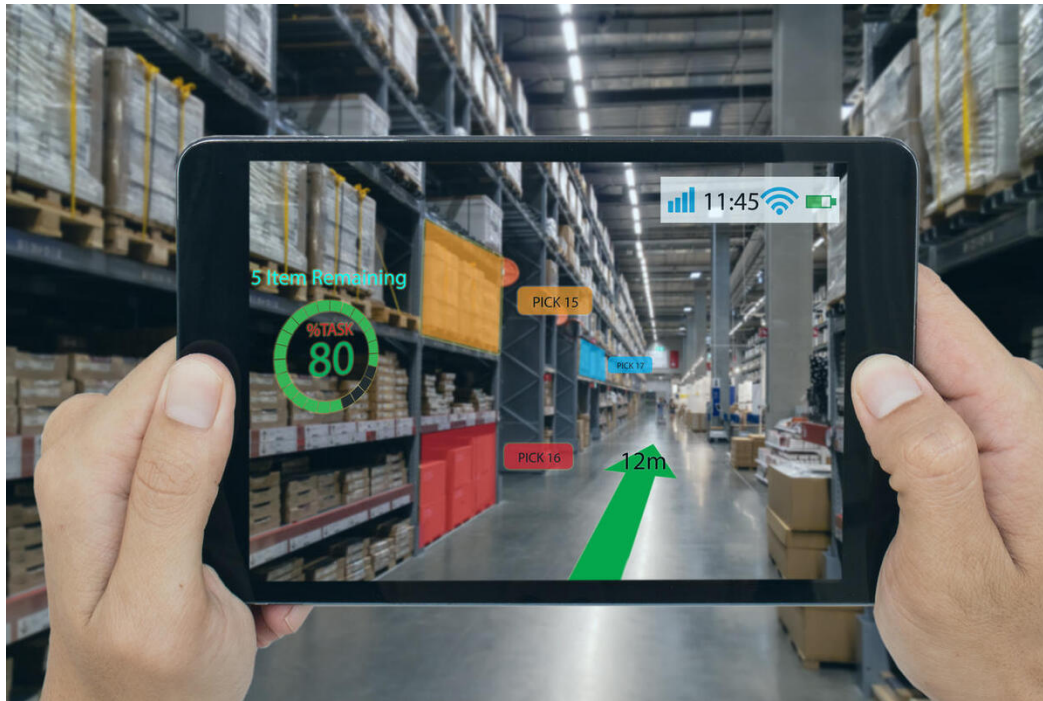- cognitive performance
- social skills.

Examples:
- grocery shopping
- road safety

Source: probonoaustralia.com.au/

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Augmented reality

Source: techrepublic.com

Combination of virtual information and real information.

Great potential for teaching

High level of engagement

Smartphones and smartwatches

Guidance and support on the implementation of activities independently

Verbal reminders with the step-by-step description of the activity

Studies demonstrated that clients could:
- Start activities independently
- Carry out the activities with high accuracy

Source: TrinityCollegeDublin

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Robots

Socially Assistive Robots to aid humans through social interaction

Human-Robot interaction is a growing field of research

This technology is starting to show improvements in:
- Performance abilities
- Engagement
- Communication with peers

Source: www.mdpi.com/

Martinez-Martin, et al. Socially Assistive Robots for Older Adults and People with Autism: An Overview. *Electronics* **2020**, 9, 36

Conclusion

- Use of technology is promising for learning and developing basic skills for people with IDs

- Potential benefits include an increased autonomy and independence.

- Technologies are useful to plan, perform and follow-up activities

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