Can YOU program assistive monitoring systems?

**Introduction**

- Customization in assistive monitoring is essential
- MNFL enables end-user customization of assistive monitoring systems

**Usability of MNFL by end-users**

Can end-users program assistive monitoring systems with MNFL? **End-users** have basic technical competence **not** programming skills

**Participants**: 51 undergraduates from the College of Humanities and Social Sciences at UC Riverside

**Procedure**: Participants viewed a one-minute introductory video and an overview picture, then completed four challenge problems

**Examples**

- **Visitor detector** - A common goal for the hearing impaired is to be notified when someone is at the door.
  
  - Advanced features: (a) Detect knock in addition to the doorbell, (b) include a physical switch for system enable, and (c) pulse the actuators for 20 seconds for better notification.

- **Leave at night** – Alzheimer’s patients who leave at night may be confused and get lost.

- **In room too long** – A person being in some rooms too long suggests a need for assistance.

- **Rise in morning** – Ensuring a person arises in the morning is a common goal for caregivers.

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