MONASH University

MONASH INFORMATION TECHNOLOGY

HUMANISE

COMPLIANCE CHECKING OF ASSISTIVE TECHNOLOGY ISO STANDARDS

Dr Chetan Arora and Dr Natasha Layton

At a glance

Background

ISO standards provide a common language to categorise and code assistive technology (AT) products. Sub-par and inconsistent terminology can cause issues such as difficulty finding the correct products.

Goal

Help standardise AT products and reduce miscommunication by product descriptions claiming to comply with standards.

Strategies

Develop an AI-based tool that compares policy and product documents against standards.

Project partners

Rehabilitation, Ageing and Independent Living Research Centre (RAIL) at Monash University.

Target outcomes

Term consistency

Uncover terminological inconsistencies in policy documents.

Industry interest and need

Identify all major Australian healthcare players that comply to ISO standards and determine their interest in automated tools for compliance checking.

Improved assistive care

Deliver the capability to automatically compare AT products against ISO standards to improve communications between industry and government – boosting the quality of assistive care.

Further information

- We developed an AI-based ISO standards compliance checking tool.
- We created a terminological domain model from ISO9999 containing all the AT concepts and subconcepts hierarchy for practitioners to use.
- Presented the tool's automatically generated consistency checking report in a human-reviewable form, and allowed for assessors to incorporate their feedback.

Learn more

To discover more about this project,
contact Dr Chetan Arora or scan the QR code.

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