

Impact of AI on community engagement within explosive ordnance risk education

Problem statement

How can the efficiency, reach and impact of digital explosive ordnance risk education be maximized while addressing multi-factor limitations in cost, speed, and accessibility?

Key challenges include the digital divide preventing access in some communities, the need for accurate quality control of AI-generated content, ethical considerations around data collection and consent, and ensuring complementarity between digital and face to face explosive ordnance risk education methods.

Key factors/requirements

- Efficiency: reduce costs and development time for explosive ordnance risk education content while enabling broader reach through digital tools and remote solutions.
- Inclusivity: address accessibility issues and design solutions that are digitally inclusive, culturally sensitive, context-specific, targeted, and evidence-based.
- Accuracy: ensure AI-generated content is reliable, free from misinformation, and adheres to privacy and consent guidelines in data collection.
- Complementary use: AI tools should enhance, not replace, traditional explosive ordnance risk education methods.
- Collaboration: engage stakeholders and NGOs in pilot testing and feedback loops.

Proposed response

Explore AI-assisted tools to enhance efficiency in pre- and post-intervention assessments, generate tailored written, audio, and visual content, and deploy 24/7 chatbots for remote explosive ordnance risk education.

Road map for implementation

- Phase 1 – Scoping application: define AI capabilities and scope the project.
- Phase 2 – Stakeholder engagement: engage stakeholders and identify an NGO partner for pilot testing.
- Phase 3 – AI solution development: develop and test AI solutions for assessments, content creation, and remote guidance.
- Phase 4 – Data analysis: collect and analyze pilot data to evaluate AI impact and refine tools.
- Phase 5 – Finalization: complete solutions and create sector recommendations for AI-driven explosive ordnance risk education.
- Phase 6 – Dissemination: disseminate findings and establish standards for broader adoption.