Interactive Platform for Clinical Trials

Country	Romania
Institution/Organisation	"Grigore T. Popa" University of Medicine and Pharmacy, Iași, Romania
Type of setting	Research and education institution focusing on innovative healthcare solutions
National Context	Healthcare companies must consider a wide range of factors when deciding where to conduct clinical research in their global development programs, including the timeline and complexity of the clinical trial approval process, especially for multi-national trials, and the openness to innovative trial designs.

Despite a 38% increase in clinical trials globally over the past decade, Europe's share of global clinical trials has dropped from 22% in 2013 to 12% in 2023. This translates to 60,000 fewer clinical trial places for Europeans. Europe provides many advantages for conducting clinical trials, such as strong canters of excellence, leading clinical investigators, high quality data and fast recruitment of patients.

Description of Technology or System

The purpose of implementing a platform that connects volunteers with companies conducting clinical trials is to streamline, facilitate, and increase transparency in the participant recruitment process for medical research. This digital solution helps increase volunteer enrolment rates, reduce recruitment timelines, and build trust and safety in the clinical trial process—ultimately supporting medical innovation and the development of new treatments.

Implementation Process

• Assessment & Market Research: Identify the target users (volunteers, patients, pharma companies), analyze competitor platforms and regulatory requirements, define core features.

• Platform Planning & Design: define platform architecture (frontend, backend, database, APIs), design intuitive UI/UX for both volunteers and sponsors, ensure accessibility and data privacy compliance integrate with external systems if needed .

Impact and Results

• Quantitative: 86% of patients are not captured by actual traditional clinical trial recruitment model.

• Qualitative: Improved Access to Information, volunteers gain easy access to clear, reliable, and up-to-date details about clinical trials, increasing awareness and participation, enhanced trust and transparency, time and effort savings .

Success Factors

- An intuitive and accessible interface encourages engagement from volunteers and trial sponsors.
- Strong data security & compliance.
- Continuous Improvement, ensure long-term relevance and effectiveness.

Challenges and Barriers

- Fear, misinformation, and lack of awareness about clinical trials can discourage volunteers from enrolling.
- Managing sensitive health data requires strict compliance with regulations and robust cybersecurity measures to build trust.

Key Lessons Learned

- Transparency, ethical standards, and partnerships with credible institutions are key to gaining user confidence.
- A simple, intuitive interface improves engagement and reduces barriers to participation.

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Co-funded by the European Union