



AI4HA – RESTORING FAMILY
LINKS INITIATIVE

Artificial Intelligence for Inclusion

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Inclusion Matters



- Family separation can lead to profound trauma, affecting mental health and community ties.
- Administrative barriers often hinder access to vital Restoring Family Links services, while language differences exacerbate these challenges.
- Moreover, documentation gaps render many migrants invisible within institutional databases.
- For inclusion to occur, it's crucial to ensure equal access, visibility, and agency for all individuals in migration systems.

Structural Gaps



Manual Handling

Manual case processing leads to inefficiencies and delays in providing timely assistance to families.



Fragmented Databases

Disconnected databases hinder effective information sharing, causing significant delays in family tracing efforts.

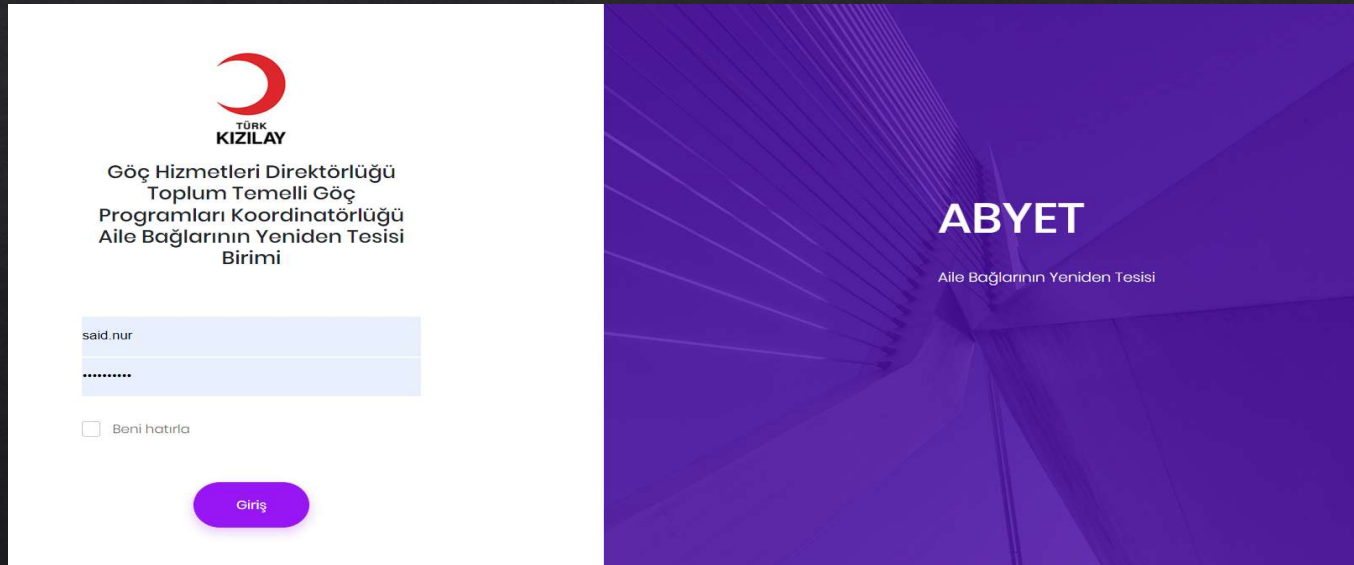


Exact-Match Searches

Relying solely on exact name matches results in overlooked connections across diverse alphabets and languages.

About the AI4HA Project

- Implemented by Turkish Red Crescent
- Project period: Aug 2020 – Feb 2021
- AI-supported case management system (ABYET)



Project Objectives

- Increase efficiency of family tracing
- Improve data management
- Support humanitarian caseworkers
- Improve service accessibility

Remote Access



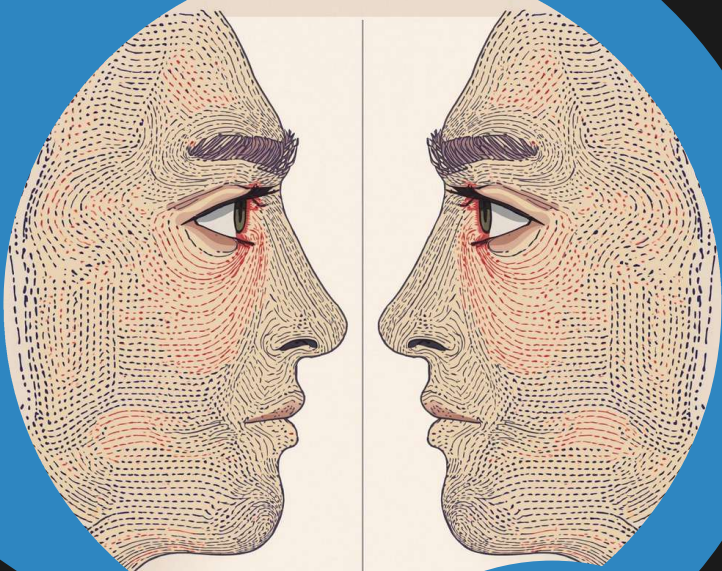
- The **online pre-application system** allowed users to initiate cases remotely, ensuring greater accessibility for migrants and caregivers.
- This platform assigns a unique reference number to each case, enabling seamless tracking without the need for repeated visits to physical offices. By reducing physical presence requirements, the system maintains service continuity, particularly during challenging circumstances like the COVID-19 pandemic.

Name Matching



- AI-assisted name matching utilizes machine learning to recognize and adapt to transliteration variations. By analyzing phonetic similarities across different alphabets, such as Arabic and Cyrillic, the system enhances the accuracy of name searches.
- This innovative approach reduces false negatives in multilingual databases, ensuring a more inclusive process for identifying individuals despite linguistic differences and complexities.

Facial Similarity Analysis



- AI-supported facial similarity analysis serves as a valuable tool in complex tracing cases. It enhances the ability to identify potential matches among missing individuals by analyzing subtle features and characteristics.
- Photo upload and visual comparison
- Age-progression possibilities
- Blockchain exploration for secure data sharing
- Informed consent is crucial in AI applications. It ensures participants understand the purpose and limitations of data use without compromising their rights.

Governance Framework

- Caseworkers have full decision-making authority while regular monitoring addresses potential biases.
- Ethical reviews are integrated into the project design. This structure emphasizes the importance of transparency and accountability in AI implementation for humanitarian actions.

Data Protection

- The implementation of AI in migration systems carries inherent **risks** that must be managed carefully.
- A protection-first approach, coupled with strict humanitarian safeguards, is essential to ensure that AI enhances inclusion while maintaining the dignity and rights of vulnerable populations.



AI and Families in Migration: Opportunities

- Faster family tracing and reunification
- Increased accessibility to humanitarian services
- Improved data analysis for complex cases
- Better support for humanitarian staff

When AI makes a difference: A positive impact on migration.

Much easier to find people who are separated or lost. For people who are separated or lost, it is easier to find them. It is easier to find them. It is easier to find them.



AI and Families in Migration: Risks

- Data protection and privacy concerns
- Potential misuse of sensitive migrant data
- Digital exclusion for people without technology access
- Risk of errors or bias in automated systems

When AI-driven automation has a destructive impact on the world.

Much of the area to be explored in this report is the impact of automation on the world of work. The report also explores the impact of automation on the world of education and the world of healthcare.



Preparing for AI Today and Tomorrow



- Develop strong data protection frameworks
- Ensure human oversight in decision-making
- Promote digital inclusion for vulnerable groups – Digital Literacy
- Strengthen partnerships between humanitarian and authorities

Preparing for AI Today and Tomorrow



- How can AI improve inclusion of migrant families while protecting their rights?
- What safeguards are necessary when using AI with sensitive migration data?
- How can humanitarian organizations avoid creating digital exclusion?



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