

MY RELIEF: A RELIEF TRACKING SYSTEM FOR ACCOUNTABILITY

**COLLEGE OF COMPUTING AND
INFORMATION SCIENCES**

**RESEARCH, INNOVATIONS, SERVICES AND
ENGAGEMENTS (RISE)**

Call for (Seed) Research Grant Applications

Call 001/2022

PROJECT NAME: MY RELIEF

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1.0 Introduction.

Ruling and governing bodies of Refugees have concretely ascertained that Accountability to Affected Personnel (AAP) is at the core of their work.

This term (AAP) refers to the commitments and mechanisms that humanitarian agencies have put in place to ensure that communities are meaningfully and continuously involved in decisions that directly impact their lives.

AAP is at the centre of UNHCR's protection mandate, as set out in its AGD (age, gender and diversity) policy, and implemented through community-based, participatory approaches that are already well-established which include channels like the rudimentary radio and television shows, mass sensitizations etc.

However, these measures are not entirely accurate as they don't concretely cover the entire population and feedback is not collected on an individual basis; giving inaccurate or incomplete information which may lead to misguided decisions being made and implemented in the various refugee camps.

2.0 Problem statement:

The rudimentary mechanisms that are being used to implement the Accountability Policy do not cover the entire population concretely and may provide biased, inaccurate or incomplete information and therefore poor or inconsiderate decisions may be made in the refugee and disaster camps.

3.0 Proposed Solution

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A solution that individually tracks responses of the Affected Personnel while harnessing technological proficiency and the internet.

This is to be achieved through a system that uses OTP (One-Time-Password) technology, fingerprint technology and swipe-card technology.

4.0 Relevance To The Community

The system is designed to track individual responses from the respective personnel in their various camps. For example, in the dissemination of food or relief to the individuals, the system will be used to track individual acknowledgement of receipt of the particular items and also capture feedback in case of any. This will help the governing bodies to better plan for the people, know the particulars of what was received on an individual basis and also get feedback from the people. The various people will also get involved in the approval of the items, air their views thereby fulfilling the AAP policy goals.

5.0 Innovativeness

As relief is being delivered to an individual, he/she will be required to swipe their refugee card (that has already been configured and given to him/her) onto our device to consent/approve delivery. In case of loss of their card, a request for a OTP password be made from our web-based application; this OTP card is what is to be filled in instead of the swipe-card. In case of need of further verification, a finger-print (which was earlier captured into the system during the registration and verification processes) is used.

6.0 Objectives:

6.1 Effective tracking of relief items

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Governing agencies and people responsible for distributing relief to refugees and people affected by disaster can easily track relief and how it is being distributed because the system shows and reflects the inputs in real-time.

6.2 Better planning for the personnel

Since real-time information is being given to the respective user accounts, there is better and effective planning for the population.

6.3 Effective collection of Responses

The population can easily give feedback to the governing bodies using both the avenue of the web-based application and also when the relief is being offered.

7.0 Team composition

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