

## Action Research Proposal

Name of social enterprise: iKure

Mission: to improve the quality of health for India's poor, through value-driven comprehensive health care solutions.

Webpage: <http://www.ikuretechsoft.com>

GSBI (2014) business plan presentation: <https://www.youtube.com/channel/UCVai5yYHaGrdID1zAGJgenA>

Headquarters: Kolkata, West Bengal, India

Location(s) of research: Kolkata, West Bengal, India

The challenge: to provide better health care services to patients using mobile IT tools in rural India.

Action research products needed:

1. Devise, implement and evaluate a more efficient patient ID number system for immediate tracking of patient diagnoses and prescription medications. iKure operates day clinics in numerous rural locations, with many new patients, many of whom have the exact same names. Many of these day clinics are without consistent internet service, making connection to their IT platform unpredictable. The patient ID number system needs to be able to interact with and without internet service, on Java-based phone and android platforms, within 1-2 minutes.
2. Devise, implement, and evaluate a more efficient way of tracking iKure personnel conducting neighborhood home health surveys so that medical professionals can respond to immediate health care needs. iKure outreach workers routinely canvasses neighborhoods to conduct simple health surveys while advertising their services. They want to be able to track the completion and outcome of those surveys in real time with precise location information, so as to direct a limited number of medical professionals to visit the homes where there are health needs.

Student skills needed: knowledge of mobile programming on Java-based phone & android systems; computer engineering; operations management and information systems; public health science.

Keywords: health care outreach; health care clinic efficiencies; data monitoring for new patient care.