



COVID 19 IDEathon Challenge

By

AKTU, Lucknow U.P.



Developing suitable solutions to help proper treatment of patients with cancer, diabetes, etc during COVID-19 crisis.

**“AUTOMATED HOME ISOLATION
WITH BIDIRECTIONAL MONITORING SYSTEM”**

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BIDIRECTIONAL MONITORING SYSTEM FOR AUTOMATED HOME ISOLATION

- ✓ AUTOMATED SELF QUARANTINE
- ✓ 24/7 VIRTUAL MEDICAL SUPERVISION
- ✓ MORE ECONOMICAL

KEY FEATURES

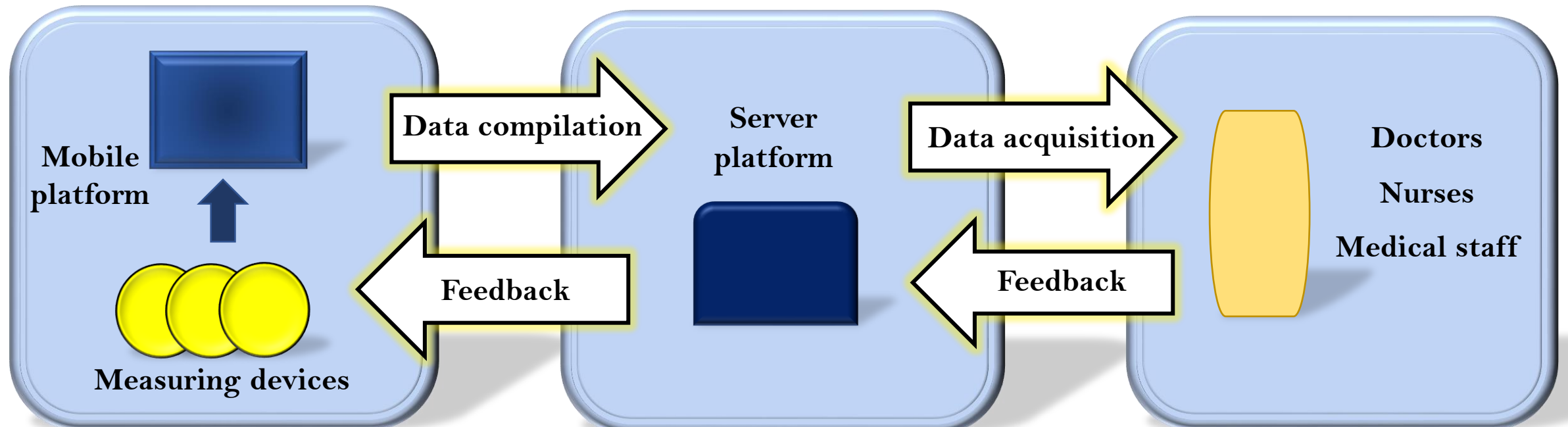
- ✓ UNIQUE PATIENT ID
- ✓ REAL-TIME FEEDBACK
- ✓ EMERGENCY PROTOCOL

COVID-19

HOME
ISOLATION

HEALTH CARE
SERVICE PROVIDER

HOSPITALS/
MEDICAL SUPERVISION



EMERGENCY PROTOCOL

Automatic alarms generated incase of deviation from regular monitoring pattern

Ambulance leaves immediately

Alarm addressed to medical team and patient's family

Hospital's feedback to patient consists of-

1. For **cancer patients**, if treatment is scheduled during the COVID-19 outbreak, The monitoring team will have a discussion with the oncologist about the benefits and risks of continuing or delaying treatment. If scheduled for an appointment with oncologist, The doctor will conduct the visit using videoconferencing or telemedicine.
1. For **diabetic people** who take insulin, regular survey would be done to know about the insulin stocks present with the patients. Also, they will be notified to stock on all the essential anti-diabetic medicines, insulin, special pouches for the insulin.

