

Health Department

Blood Bag Traceability in Trivandrum General Hospital and its associated blood storage centres

Business Case

- This project addresses the need for the current scenario of blood supply in Trivandrum General Hospital and related blood banks.
- There is a need to establish the blood bag monitoring from donor to a patient to ensure efficient supply of blood in blood bank and its associated blood storage centres.

Internet of Things/RFID

Outcome/Benefits

- Vein-to-vein traceability is made possible from donor to recipient
- Digitized the inventory with stock management/record management system
- Temperature readings at both Collection Centre and Storage centre were reported accurately. The reading is available to mother blood bank (transparency).
- Notified temperature breaches to concerned officials for immediate measures
- Weekly status reports to the concerned departments
- Enables the authorities to find out the discard percentage (for collection centre – 3.2 and storage centre – 53) to take necessary action.
- Disease cluster identification possible.

