

TITLE

VISITOR AUDIT SYSTEM

FUNCTIONAL REQUIREMENTS

- In this project, whenever a person other than the institution enters, the system should be able to note down the details using the RFID tag.
- The system should be operated by a person (security guard).
- The monitoring system will digitize and automate the visitor entries and no need for manual maintenance.
- The project should automatically keep track of visitors and should communicate using LoRa at a minimum distance of 500mts.
- The system should transfer the visitor entry status to a cloud database.

NON FUNCTIONAL REQUIREMENTS

- The system should be housed in a custom 3D printed enclosure with cut-outs for power and sensor cables.
- The system should be capable of being programmed in-situ with no requirement of a dedicated programmer.
- It should be possible to connect the system to a laptop and display parameter values and other data for debugging purposes.