

Votary Softech Solutions Pvt. Ltd.

Plot No: 76, Lumbini layout,

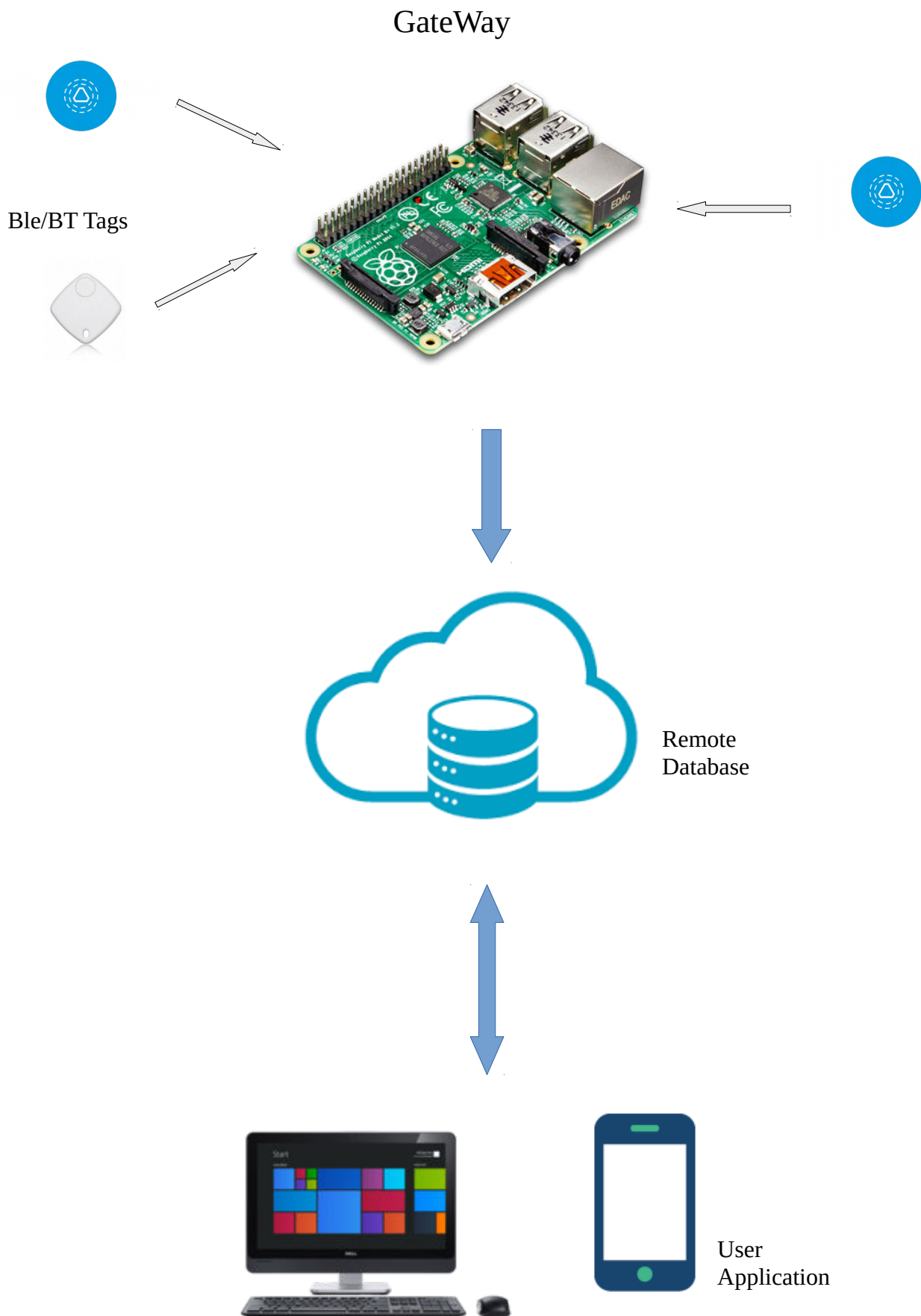
Near Euro school,

Gachibowli-I (V), Hyderabad,

Telangana - 500032,

India.

## Overview

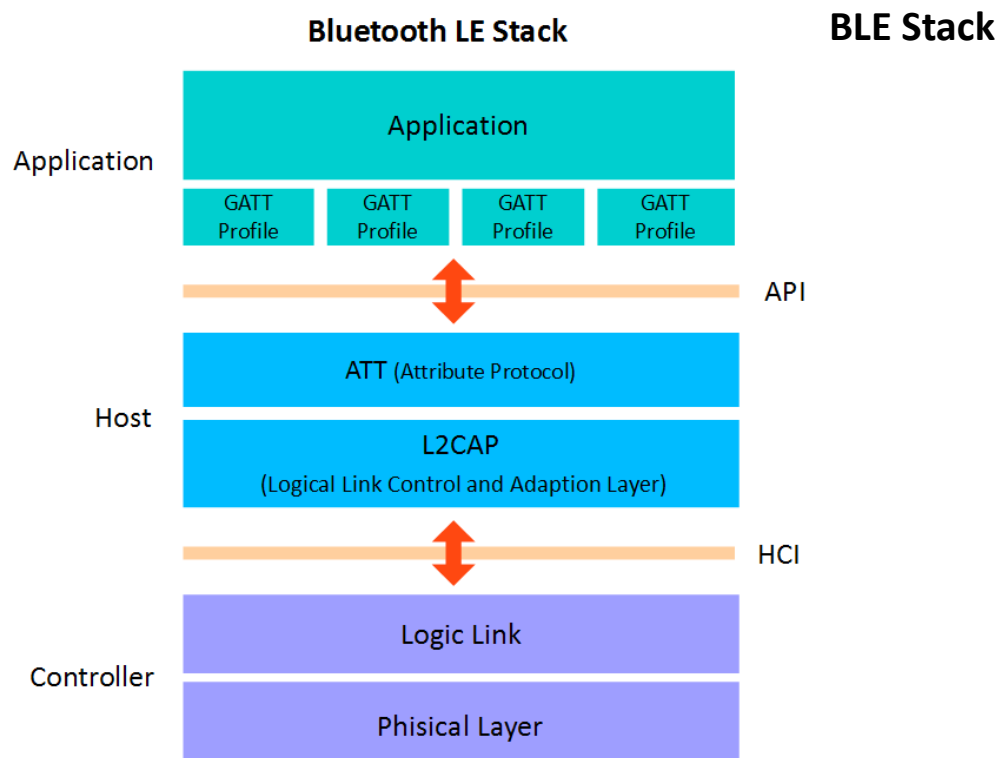


Digital Campus has the capabilities to locate and get details like in/out time of employee. It has three modules in it:

1. Gateway Module – Provides the capability to scan continuously for nearby BLE/BT devices and publishes data to storage module
2. Storage Module – Stores the received BLE/BT data in a specific format and provides access to application to query the required data
3. Application Module – It provides an interface where end user can query required data i.e. locate, in/out time

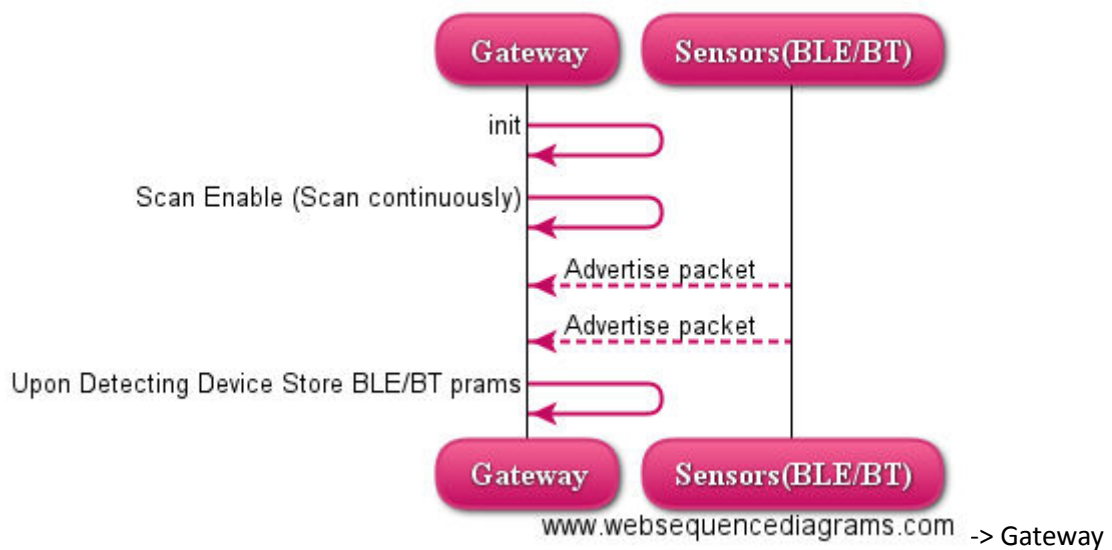
## Deliverables

- Digital Campus Gateway
- SQL Database
- User Application (Desktop/Mobile)



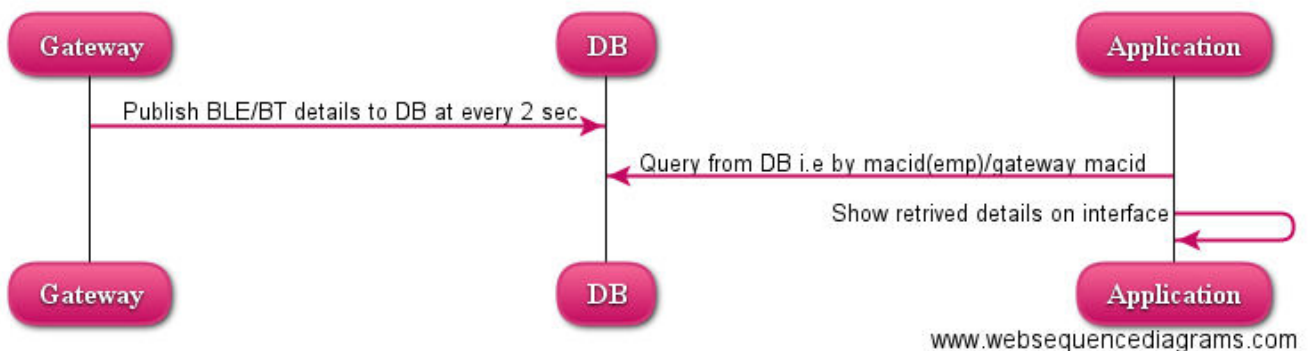
## Sequence Diagram

### Sensor to Gateway



should capture BLE/BT params i.e macID, DeviceType, Rssi, TimeStamp

### Gateway to DB to User Application



-> Gateway should publish BLE/BT params to DB i.e BLE/BT macID, DeviceType, Rssi, TimeStamp, GatewaymacID

# Database

Table Format

BLE/BT Details

BLE/BT macID	DeviceType	Rssi	TimeStamp	GatewaymacID

Employee Name Dump Data Table

Employee Name	BLE/BT macID

Gateway Name Dump Data Table

Gateway Name	Gateway macID