RFID based Tracking System
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System Architecture

- Central System
- Peripheral System

The Central System

- Modem
- ARM7 Board
- RFID Reader
- RF Antenna

The Peripheral System

1. Central System sends the start signal
2. CC1000 modem on the peripheral system receives the signal and sends it to the ARM7 board
3. ARM7 board activates the RFID reader
4. RFID tag is detected by the antenna
5. Antenna sends the signal to the RFID reader
6. Reader sends the tag ID to the ARM7 board
7. ARM7 then sends the tag ID and zone ID to the modem
8. Modem transmits the data to the central system
9. Central system does the processing and displays the results on GUI