

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. Some nodes are highlighted with blue circles, and others with blue dots. The lines are thin and grey, creating a mesh-like structure.

RFID Attendance System

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A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It shows a network of nodes and lines, with some nodes highlighted by blue circles and others by blue dots.

Project Overview

- Making the process of attendance easier and more efficient
- IoT-based RFID Attendance System
- Eliminates the need for paper attendance which can not be easily manageable

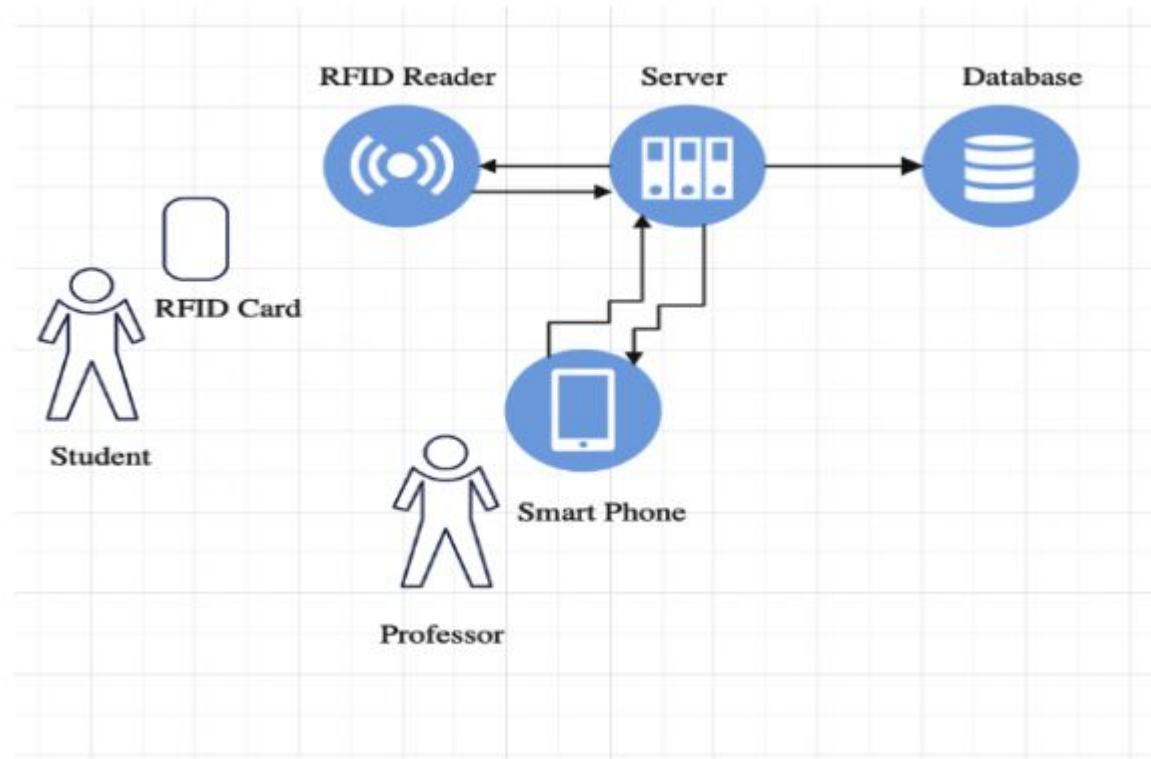
How does it work?


- Each student will be given their student ID card that will act as an RFID card
- The students will be expected to scan their student ID cards on the attendance system which consists of an RFID module
- This will record the student's attendance and also the time they scanned their cards at

Equipment

- NodeMCU
- ESP8266-12E Board
- Arduino UNO Board
- MFRC522 RFID Module
- RFID cards
- Jumper wires
- Breadboard

System Architecture



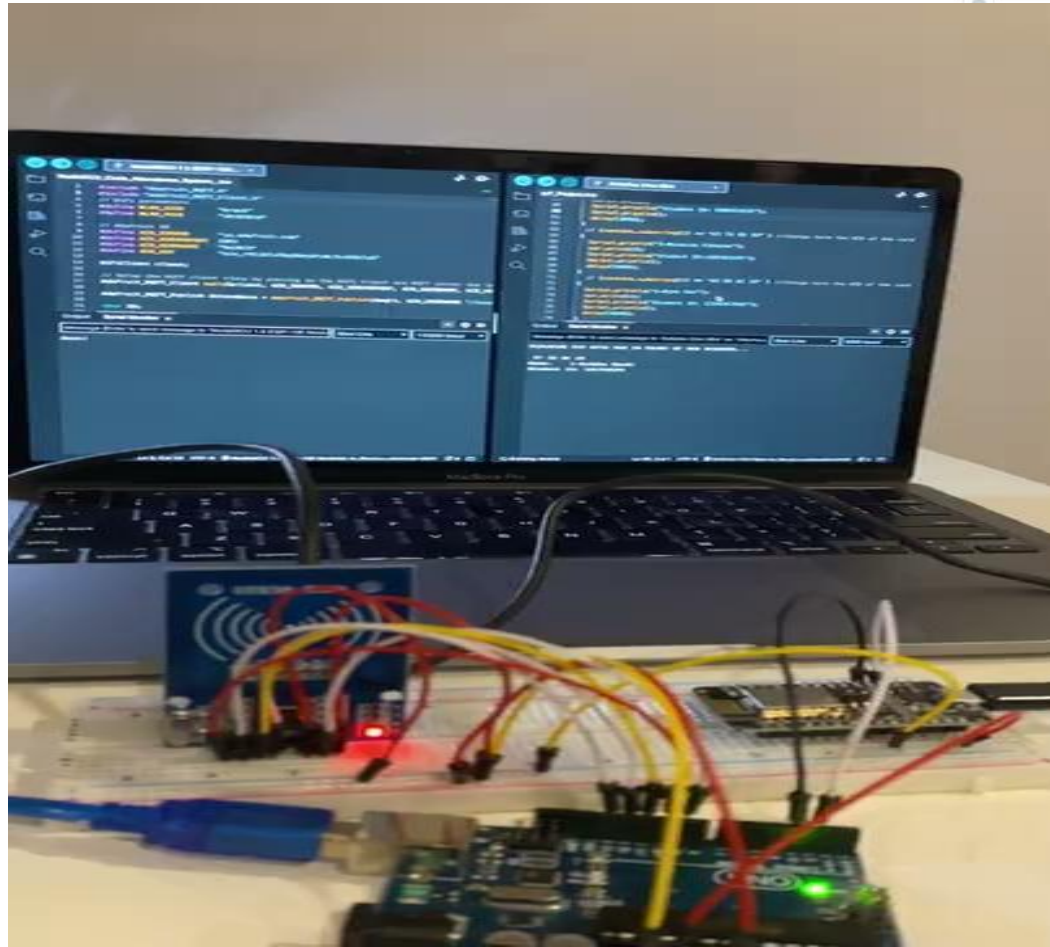


Cloud Database (AdaFruit) Overview

<https://io.adafruit.com/Ro2022/feeds/rfid-attendance>



Demo



Code Explanation



Thanks!
Any questions?

