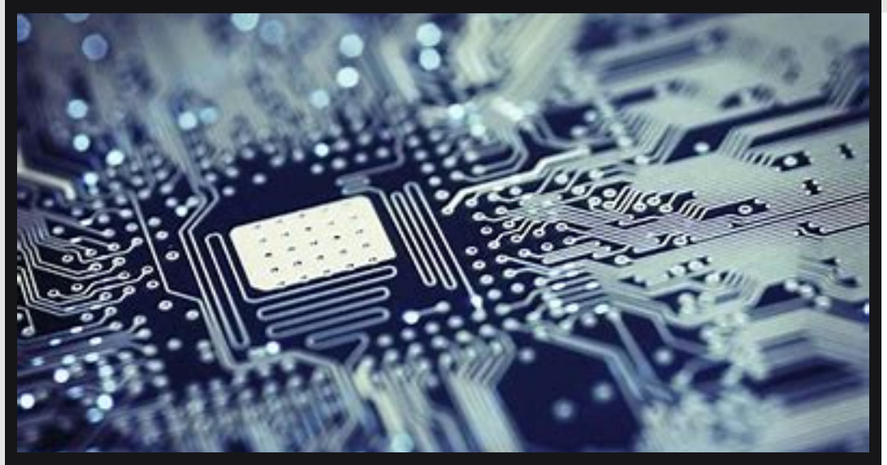

PERFORMED BY:

- **Mohil Jain (11)**
- **Dharmaraj Jardosh(52)**

MENTORED BY:-

- **Prof. Ketki Pathak**

COMPONENTS

- ESP8266 nodemcu board
- Rfid sensor RC522
- buzzer
- Jumper wires
- Breadboard
- PCB unit
- Google Spreadsheet

SMART ATTENDANCE SYSTEM

Attendance in University is generally paper based which may sometimes cause errors. Taking attendance manually consumes more time. So, In this project we have designed RFID Based Attendance System using Arduino and RFID MFRC522 Module. In this system, each student is issued an RFID card as their id card and their attendance is marked when they touch their card to RFID reader.

RFID SENSOR RC522

RFID stands for Radio Frequency Identification.Here digital data stored in RFID tags are captured by a reader via radio waves.

ESP8266

An ESP8266 Wi-Fi module is a SOC microchip mainly used for the development of end-point IoT (Internet of things) applications. It is referred to as a standalone wireless transceiver, available at a very low price. It is used to enable the internet connection to various applications of embedded systems.

BUZZER

The main function of this is to convert the signal from audio to sound. Generally, it is powered through DC voltage and used in timers, alarm devices, printers, alarms, computers, etc. Based on the various designs, it can generate different sounds like alarm, music, bell & siren.

CIRCUIT DIAGRAM