LIBRARY MANAGEMENT SYSTEM

Block Diagram:

ESP 8266

ATTENDANCE

(LIBRARY VISITOR)

DATABASE

RFID

SENSOR

WEBSITE

(FOR ISSUE OF BOOKS)

PERMISSION FROM THE LIBRARIAN

BOOK ISSUED SUCCESSFULLY

Circuit Diagram:

Component List:

|  |  |
| --- | --- |
| Microcontroller(ESP8266) | https://lh6.googleusercontent.com/xZlGRLa3ZtQ3VYd-n5T0RphP8T5O2zTu-p8G13QmoFEDZYhQO_rm_70CB5abazXlheMfaeAY7N74B4-VBePC9yG_GTBysb2_2uTnhJOWvn58y5oP3-zTDZ7tAAgBCr8BsdWvalE=s0 |
| RFID SENSOR(RC522) | https://lh5.googleusercontent.com/gCvXNIJnSxPROFaiZfTQIODF2Ln8lI9QLaodZmTowfLzFkzjSzekKPh3b4X-MGmWPB_KezB5GpAyVOPxmHYipymQ3g2GQKgoxDXykLDc_Hg5X4Ysp1xy0s0zvnQySsbri_PyPok=s0 |
| LED | https://lh6.googleusercontent.com/HRuxfU6uOPO456oLDx7PoyHRv8CmJbV26bpN53IENsKqwYUI5CpTpWyr3oH-M5pUoNthnDnz_vIcY4PPJJ0OoCRkoF2NtNIVLPjTwp2UdzZOuO3s6VGozijFfnv0QRVApP_ONcw=s0 |
| JUMPER | https://lh5.googleusercontent.com/nj_U7XibPmtrCrhU_8CVy9dUsIycLfaSMEzXy5sCq_eU1o3lYZAN5n0t7vBzo2JxHHmTzLxps88CcSJXLAVGJl8_C8jmuWUHwYsy21do_QPILeZWdu8ggqOrTihUWy4t-P5l2gk=s0 |
| VEROBOARD | https://lh4.googleusercontent.com/Mql9L2VFkrneZGB1Diy6uLeAEPh9VTtgd6IQlRWoLoMYpZrwCiIttHMNKcPJxV0gJThZvD-Ckhy8k6EUUbO5vbqIjUgkfjiGLP1s_SFGHjWj3oTIhQAZ1DTbLXQ0Nstb8rabLqE=s0 |
|  |  |

PROCEDURE

1.Connecting the esp8266 with veroboard:

We simply connect

veroboard

with esp8266

2.Connecting the RFID sensor with wires and fixed it a case :

We fixed the RFID sensor with a

case and then connect wires

with three LED(one for

authentication, one for power

and one for internet)

3. Creating the database:

We have created the database so that we can store

the data and transfer from the hardware to the website.