Variables

on\_cnt

No.of on & OFF time@eeprom\_cnt\_addr[0]

void display\_time\_date() {

lcd.noCursor();

lcd.clear();

DateTime now = RTC.now();

lcd.setCursor(7, 0);

lcd.print("Clock ");

lcd.setCursor(0, 1);

lcd.print("Day : ");

Dotw = now.dayOfTheWeek();

Serial.print("(");

Serial.print(daysOfTheWeek[Dotw]);

Serial.print(") ");

lcd.print(daysOfTheWeek[Dotw]);

lcd.setCursor(0, 3);

lcd.print("Date: ");

Day = now.day();

if (Day <= 9) //

{

Serial.print("0");

lcd.print("0");

}

Serial.print(Day, DEC);

Serial.print('-');

lcd.print(Day, DEC);

lcd.print("-");

Month = now.month();

if (Month <= 9)

{

Serial.print("0");

lcd.print("0");

}

Serial.print(Month, DEC);

Serial.print('-');

lcd.print(Month, DEC);

lcd.print("-");

Year = now.year();

Serial.print(Year, DEC);

lcd.print(Year, DEC);

Serial.print(" ");

lcd.setCursor(0, 2);

lcd.print("Time: ");

Hour = now.hour();

if (Hour <= 9)

{

lcd.print("0");

Serial.print("0");

}

Serial.print(Hour, DEC);

Serial.print(':');

lcd.print(Hour, DEC);

lcd.print(":");

Minu = now.minute();

if (Minu <= 9)

{

lcd.print("0");

Serial.print("0");

}

Serial.print(Minu, DEC);

Serial.print(':');

lcd.print(Minu, DEC);

lcd.print(":");

Sec = now.second();

if (Sec <= 9)

{

lcd.print("0");

Serial.print("0");

}

Serial.print(Sec, DEC);

lcd.print(Sec, DEC);

Serial.println();

String BT\_INFO="("+String(daysOfTheWeek[Dotw])+") "+String(Day)+"/"+String(Month)+"/"+String(Year)+" "+String(Hour)+":"+String(Minu)+":"+String(Sec);

SerialBT.println(BT\_INFO);

current\_time=((Hour\*10000)+(Minu\*100)+(Sec));

Serial.println(current\_time);

}

void check\_BT\_serial\_avail(){

if (SerialBT.available()) {

Bt\_Recv\_str="";

while(SerialBT.available())

{

Bt\_Recv\_str+=char(SerialBT.read());

}

Serial.println("########################");

Serial.println(Bt\_Recv\_str);

Serial.println("########################");

}

}

void menu\_file(){

SerialBT.println("Please choose any one(Valid) option.");

SerialBT.println("-------------- MENU -----------------");

SerialBT.println(" 1 .Change Current Date and Time.");

SerialBT.println(" 2 .Change ON Time and OFF Time.");

SerialBT.println(" 3 .MANUAL ON.");

SerialBT.println(" 4 .MANUAL OFF.");

SerialBT.println(" 5 .Auto mode.");

SerialBT.println(" 6 .EXIT.");

SerialBT.println("-------------------------------------------");

Serial.println("Please choose any one(Valid) option.");

Serial.println("-------------- MENU -----------------");

Serial.println(" 1 .Change Current Date and Time.");

Serial.println(" 2 .Change ON Time and OFF Time.");

Serial.println(" 3 .MANUAL ON.");

Serial.println(" 4 .MANUAL OFF.");

Serial.println(" 5 .Auto mode.");

Serial.println(" 6 .EXIT.");

Serial.println("-----------------------------------------");

}