```c
/*********for wifi module *****************/
//while (1)
{
        rxptrh1 = 0;
        uart_send1("AT\r\n",5);
        TM_DelayMillis(3000);
        //rxptrh1 = 0;
        //memset(rxbuf1,0,500);
        //uart_send1("AT+RST\r\n",8);
        //TM_DelayMillis(10000);
        //rxptrh1 = 0;
        //memset(rxbuf1,0,500);
        uart_send1("AT+CWMODE=3\r\n",18);
        TM_DelayMillis(20000);
        //rxptrh1 = 0;
        //memset(rxbuf1,0,500);
        //uart_send1("AT+CIPMUX=1\r\n",18);
        //TM_DelayMillis(10000);

        //memset(rxbuf1,0,500);
        //uart_send1("AT+CIPSTA=\"192.168.1.200\"\r\n",30);
        //TM_DelayMillis(5000);
        rxptrh1 = 0;
        memset(rxbuf1,0,500);
        //uart_send1("AT+CWLAP\r\n",18);
        //TM_DelayMillis(10000);
        rxptrh1 = 0;
        memset(rxbuf1,0,500);
        uart_send1("AT+CWJAP_DEF=\"@Bhuvana_2.4GHz\",\"1234567890@1\"\r\n",70);
        TM_DelayMillis(20000);

        uart_send1("AT+CIFSR\r\n",20);
        TM_DelayMillis(10000);

        //rxptrh1 = 0;
        //memset(rxbuf1,0,500);
        uart_send1("AT+CIPMODE=0\r\n",18);
        TM_DelayMillis(10000);
        //rxptrh1 = 0;
        //memset(rxbuf1,0,500);
        uart_send1("AT+CIPSTATUS\r\n",15);
        TM_DelayMillis(5000);

        sprintf(buffer,"%s",rxbuf1);
        TM_ILI9341_Puts(20, 5, buffer, &TM_Font_7x10, ILI9341_COLOR_BLACK,
ILI9341_COLOR_BLUE2);
        TM_DelayMillis(30000);
        rxptrh1 = 0;
        memset(rxbuf1,0,500);

        //memset(rxbuf1,0,100);
```

```c
            //rxptrh1 = 0;
            //uart_send1(crlf,3);
            //uart_send1(crlf,3);
            //TM_DelayMillis(100);
        rxptrh1 = 0;
            memset(rxbuf1,0,500);
            uart_send1("AT+CIPSTART=\"TCP\",\"m15.cloudmqtt.com\",xxxxx\r\n",48);
            TM_DelayMillis(20000);
            uart_send1("AT+CIPSEND=2,48\r\n",20);
            TM_DelayMillis(1000);
            uart_send1(conn_est,46);
            uart_send1("\r\n",2);
            //uart_send1("AT+CIPCLOSE=2\r\n",20);
            TM_DelayMillis(1000);
            while(1)
            {
                    //rxptrh1 = 0;
            //memset(rxbuf1,0,500);

            //uart_send1("AT+CIPSTART=\"TCP\",\"www.google.com\",80\r\n",50);

                    //TM_ILI9341_Fill(ILI9341_COLOR_MAGENTA);
                    //TM_DelayMillis(5000);
//                    rxptrh1 = 0;
//                    memset(rxbuf1,0,500);

//                    uart_send1("\r\n",2);
//                    TM_DelayMillis(20000);
//                    //memset(rxbuf1,0,500);
                    uart_send1("\r\nAT+CIPSEND=2,23\r\n",20);
                    TM_DelayMillis(1000);
                    uart_send1(pub_msg,21);
                    uart_send1("\r\n",2);
                    TM_DelayMillis(2000);
                    uart_send1("AT+CIPCLOSE=2\r\n",20);
                    TM_DelayMillis(3000);
//                    uart_send1("\r\n",2);
//                    TM_DelayMillis(20000);

                    sprintf(buffer,"%s",rxbuf1);
                    TM_ILI9341_Puts(20, 5, buffer, &TM_Font_7x10, ILI9341_COLOR_BLACK,
ILI9341_COLOR_BLUE2);
                    TM_DelayMillis(30000);
                    rxptrh1 = 0;
                    memset(rxbuf1,0,500);

                    TM_ILI9341_Fill(ILI9341_COLOR_MAGENTA);
                    TM_DelayMillis(1000);
            }

            /**********end of wifi module ***************/
```

```
            //vCheck_stpmb();
            //TM_ILI9341_Puts(45, 160, "WELCOME IN", &TM_Font_11x18,
ILI9341_COLOR_BLACK, ILI9341_COLOR_BLUE2);
            //vCheck_stpmy();
            //vCheck_stpmr();
            //TM_SPI_Send(SPI3, 0x15);
            //uart_send7("WELCOME in\n\r",10);
            //TM_DelayMillis(50);
            //TM_ILI9341_Puts(45, 140, "WELCOME OUT", &TM_Font_11x18,
ILI9341_COLOR_BLACK, ILI9341_COLOR_BLUE2);


  }
```