Weekly Status Report
Report 2

EECE 460
TNC MCU Project

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Work and accomplishments this week

- **New supplies received:**

  - Received supplies for soldering components for receiver and transmitting circuits, such as perf board and audio input jacks.

- **Code for transforming KISS packet, received from computer, to AX.25 Format:**

  - Created a function to copy the data in the KISS packet into a new container, more suitable for AX.25 format.

  - Incorporated Bit Stuffing as well

Planned Activities for Next Week

- Appendix F

- Test noisy signals received

- Start soldering components for RX/TX circuits onto perf board.

Time Sheet

Item	Date/Time	Description	Hours
1	9/25/2020 5pm-6pm	BOM for materials purchased	1
2	9/26/2020 9pm – 2am	KISS to AX.25 code	5
		Total:	6

```c
//NEED TO CREATE AN AX25_PACKET MEMBER FOR STRUCT
//COMPLETE MEMCOPY INSIDE GENERATE AX_25()
void generate_AX25(){
    struct PACKET_STRUCT* local_packet = &global_packet;

    bool *curr_mem = &local_packet->KISS_PACKET; //keep track of what address to copy from
    //this is assuming that the packet has all the subfields full

    sprintf(uartData,"Good Packet!");

    local_packet->address = curr_mem;
    if(!compare_address(local_packet->address)){
        return false; //discard
    }
    curr_mem += address_len;

    local_packet->control = curr_mem;
    curr_mem += control_len;

    //SHOULD CONSIDER A VAR IN STRUCT TO INDICATE THAT A PID FIELD IS PRESENT OR THAT THIS IS AN I FRAME
    if(local_packet->control[0] == 0){ // 0 = I frame, 01 = S frame, 11 = U Frame
        local_packet->PID = curr_mem;
        curr_mem += PID_len;
    }

    local_packet->Info = curr_mem;

    //USE CRC HERE TO GENERATE FCS FIELD
    //local_packet->FCS = curr_mem;

    return true; //valid packet
}
```