REPORT ON EXPERIMENT 8

Course No EEE 416

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Section: A2

Step 1: Designing the schematic.

In this stage the schematic diagrams were designed based on the lab reference video.

Initially the 8086 part is created while creating the project through project wizard. The following parts were sequentially placed in the schematic capture.

1. 74HC373 2. 8255A 3. 3 seven segment displays

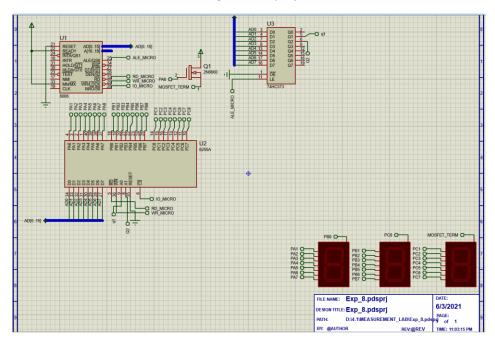


Figure 1 Total schematic layout

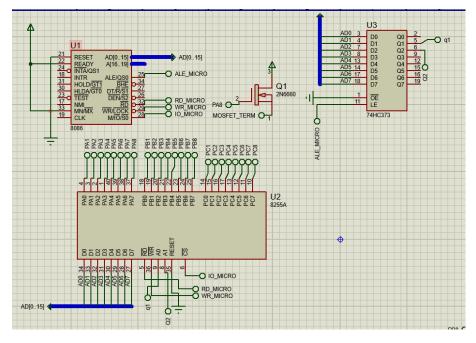


Figure 2 Schematic Capture of the 8225A and 74HC373

Step 2: Creating the source code

Coding for the microprocessor was initially debugged using emu8086.

```
| Main.asm file generated by New Project wizard | Created: Fri May 28 2021 | Created: MasMay 2 | Created: MasM
```

step 3: To display the result, the code was copy pasted to "source code section". and on running the code, the following out put was opbtained

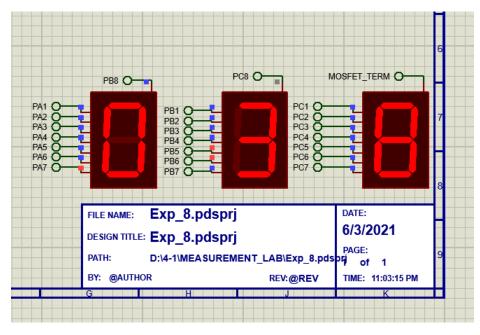


Figure 3 Output