

DIGISIM PS-1 PART 1

EXPLANATION

Team Members:

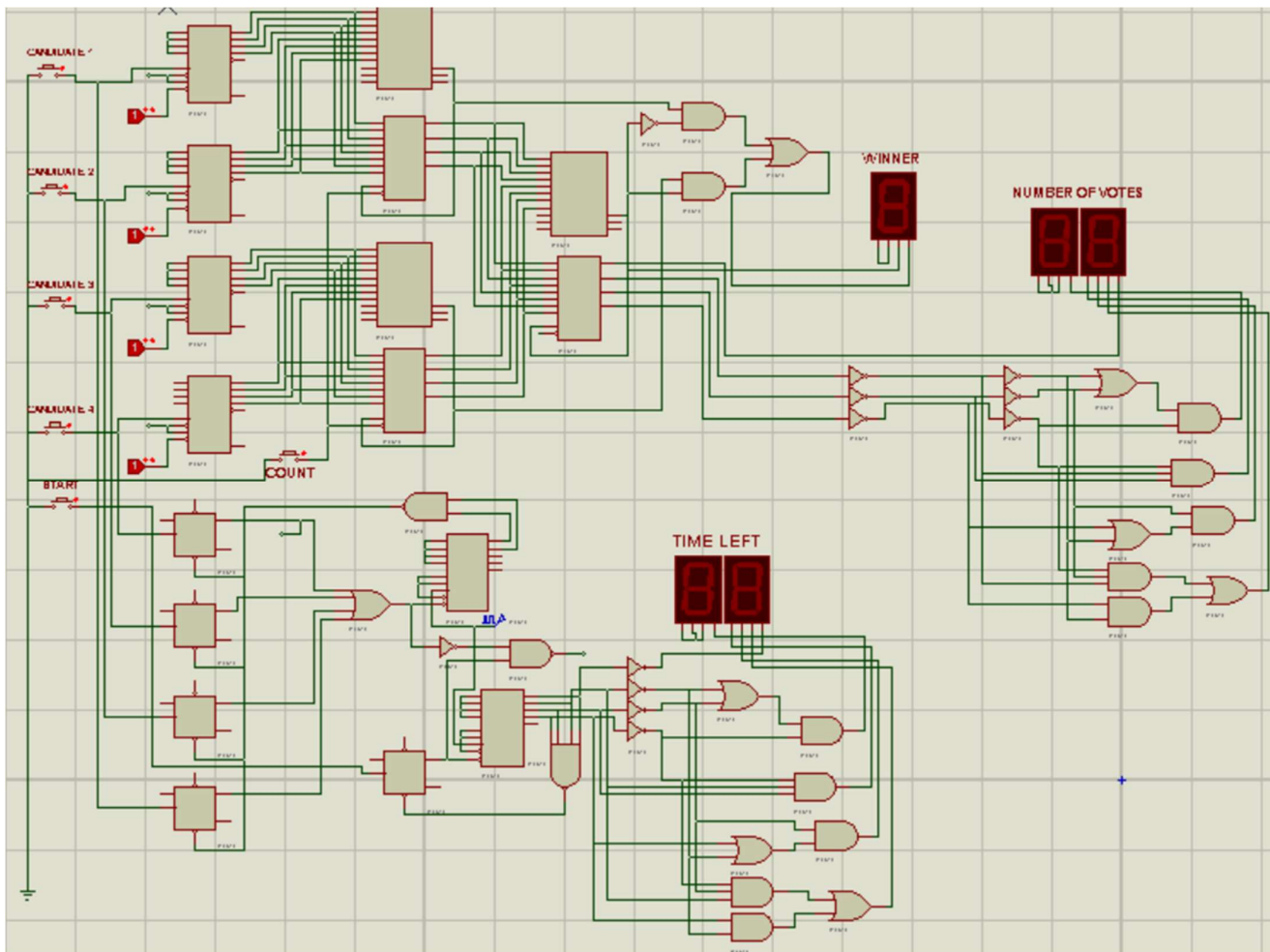
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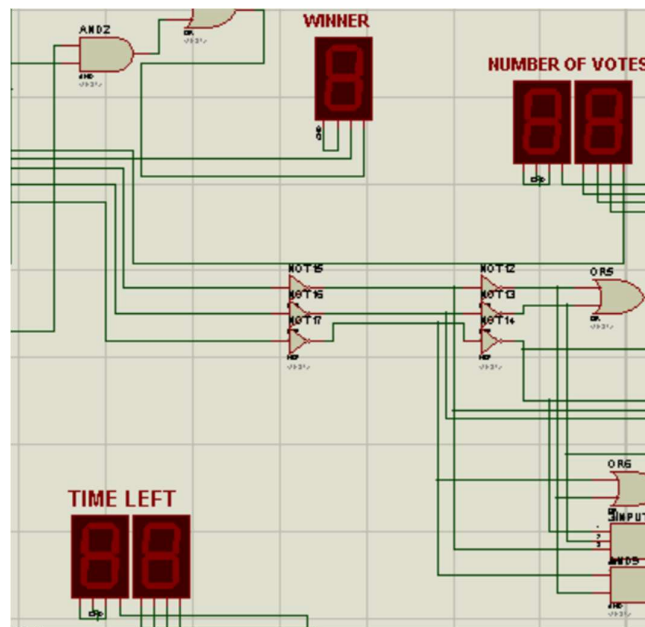
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Circuit Diagram:



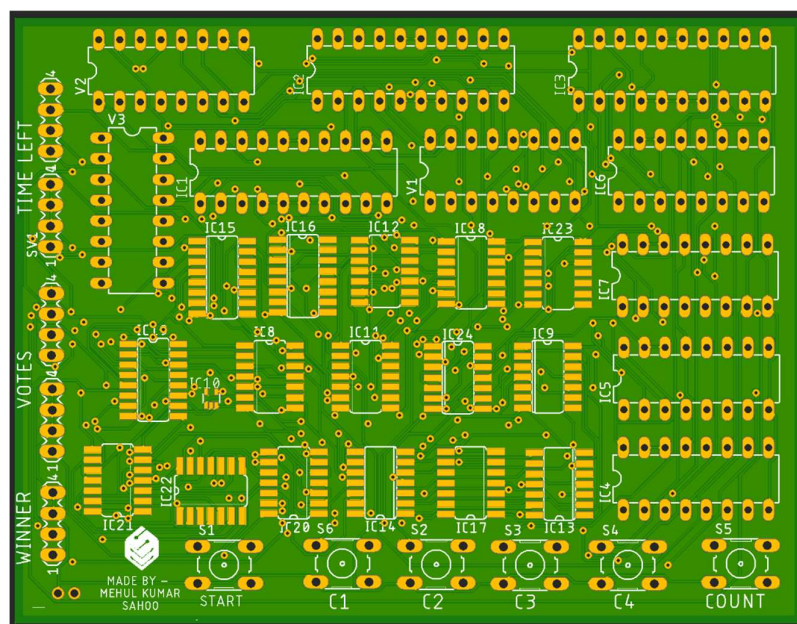
We have implemented the following features in the Electronic Voting Machine.

1. A start button to begin the voting process gives the voter a window of 15 seconds to vote for a person.



We have implemented all the above features in the circuit made in Proteus as well as in the PCB.

We have made a 2-layered PCB of the schematic made in PROTEUS



For most of the components, we have used SMT PCB packages, but unfortunately, for some components, only THT PCB packages were available. We have used 4 pin holes for the connections of the 7 Segment BCD displays (Not available in EAGLE CAD). Similarly, for providing a clock cycle, we have used 2 pins at the bottom right so that we can connect the function generator from there. All the buttons are also marked according to their functions. We have applied Copper masking on both sides of the PCB, which will act as a heat sink. We have also added an EES logo in the bottom left of the PCB.