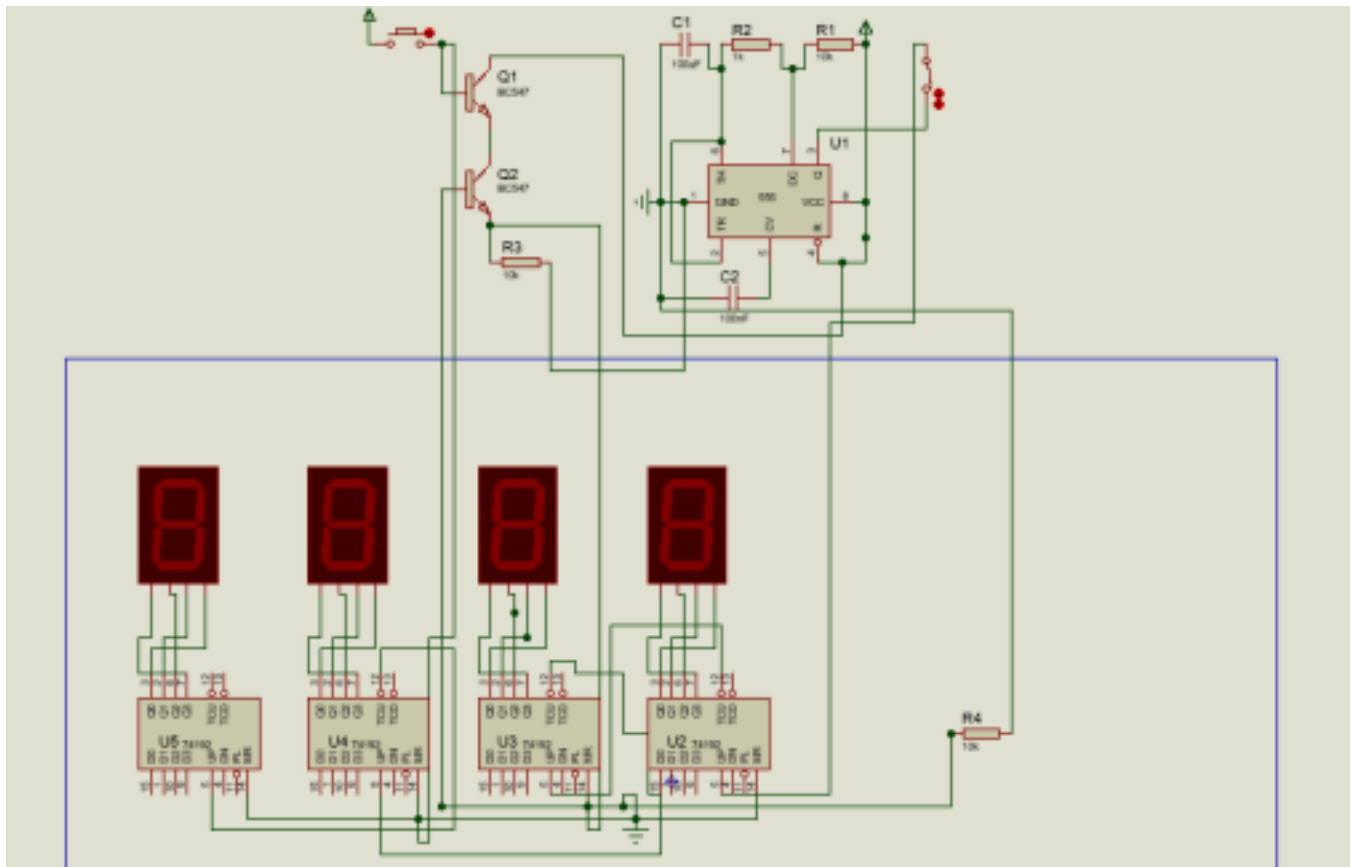


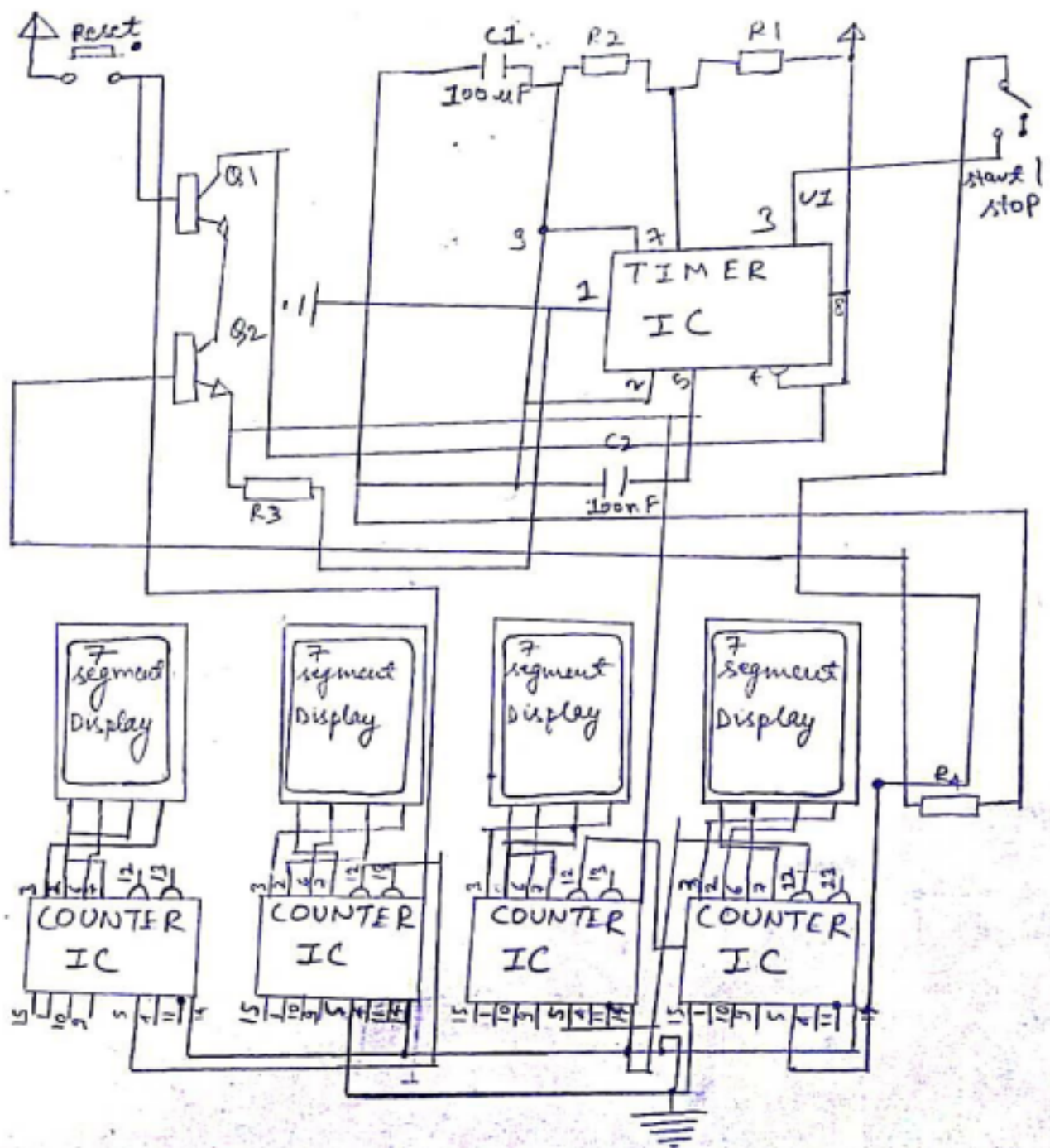
### Circuit Diagram:



### Video Link:

<https://youtu.be/OUv5-sm22rE>

### Block Diagram:



### Explanation:

Our aim was to make a 4 digit stopwatch.

In the making of this we have used the following:

- 1) Timer IC
- 2) Counter IC
- 3) BJTs
- 4) Capacitors
- 5) 7 Segment Displays
- 6) Resistors
- 7) Switch (Start Stop Switch)  $\Rightarrow$  Let S1
- 8) Push Button Switch (Reset Switch)  $\Rightarrow$  Let S2

When we turn on the simulation and press the switch S1, the circuit is completed and the stopwatch starts.

Whenever the stopwatch is counting and we push the reset switch S2, the stopwatch starts counting again from 0.

Applications:

- 1) Used while quizzes.
- 2) Used in different games like kho-kho.
- 3) Used in various equipment at the gym.

**Role Of Each Member:**

- 1) Circuit Making -Pranav Bhaskar, Pankaj Ramani**
- 2) Video Making - Pankaj Ramani**
- 3) Report making - Pranav Bhaskar, Pankaj Ramani**
- 4) Block Diagram, Applications - Pranav Bhaskar**