

## Mini Project One: Digital Watch

- Using Multisim Simulation Software, Design a simple digital watch to be displaying time in seconds and minutes only.
- Once the simulation is run, the watch must start from zero and count to 59 seconds then to 1 minute and it goes on to a maximum time of 9 minutes and 59 seconds then it should start over.
- Ensure that the time accuracy is as close to the actual time as possible
- **No need of any report**, send the actual Multisim file only, send to my email no later than the due date given below.
- Save the file with your full names, e.g George\_Ziba, failure to this your project won't be marked.
- Use as less components as possible.
- The design must contain at least these listed components:
  - A clock signal
  - A Vcc source
  - A Ground
  - 3 counters (74293N or any)
  - 3 BCD to seven segment Decoders (74LS47N or any)
  - 3 seven segment displays
- **Due date is 21<sup>st</sup> May 2021**