Task (0) | The Secret Box | Workday (4) | 13.3.24

Today's output Hardware:

- Did not go to El-Warsha, to be there at 2:00PM and come back in Ramadan with the miserable traffic outside is a mess.
- Tried to explain stuff for him but he preferred a visit to get stuff clearly:/.
- Went to the laser workshop behind my home but he told me it would take a week minimum or 10 days, busy doing Ramadan stuff, it would cost around a 100 pounds he said, before negotiating=).

Today's output Software:

- Developed code for fetching date and time from NTP through WI-FI connection and RTC code.
- Integrated entire project parts/modules developed so far together.
- Re-structured app start code to have only function calls of other static functions, one for each module, one for MPU6050, another for ultrasonic sensor...etc.
- Code is not functioning well all together with WI-FI part, timestamping, and sensors, if MPU works for example then ultrasonic stops and vice versa!
- Knew something interesting! I can use FreeRTOS with Arduino IDE!! There is a library for it with all the same functions/APIs I dealt with before.

To do next:

- Database part using Fire Base.
- Presentation, thinking of Gamma AI.
- Do not forget the 2 7-segments or LCD part for showing battery percentage.
- I will postpone hardware for now, the box itself.
- I will keep working on separate modules until all is perfectly done and then see why integrating things does not go well. I will consider FreeRTOS probably.

Done for today, hoping all will be done by Wednesday maximum!
Well, it is Wednesday already and not done, let it be Saturday for Software and Sunday/Monday for the physical box.