***Schedule / To do list:***

***Items in Green background color are done***

***Items in Red background color are under progress***

1. For prototype:
2. Put ***metal detector*** together and figure out its output
   1. Code for precaution warning
   2. Build our own coil
   3. Test the circuit
3. Figure out ***Load cell*** and preset a list of time for different ranges of weight
   1. How to marginalize load cell reading
   2. Figure out load cell amplifier
   3. Code for different ranges of weight
4. ***LCD display functions***
   1. Standby display of date and time
   2. Display 1- greetings, 2- time adjustment, 3-countdown, 4-warning 5- Recommended time/selected heating program 6- Confirmation buttom
   3. Code for the functions
5. ***Remote controller/ built in controller panel***
   1. Multiple set of heating programs
   2. Figure out how the receiving part works for arduino
6. ***Motion sensor*** for time adjustment
   1. Code for motion detection
   2. Adapt to LCD display functions
7. ***Identification Card***
   1. Use of an IC card to unlock the microwave and gain access to the advanced functions.
8. For final demo:
   1. (UNDefined)