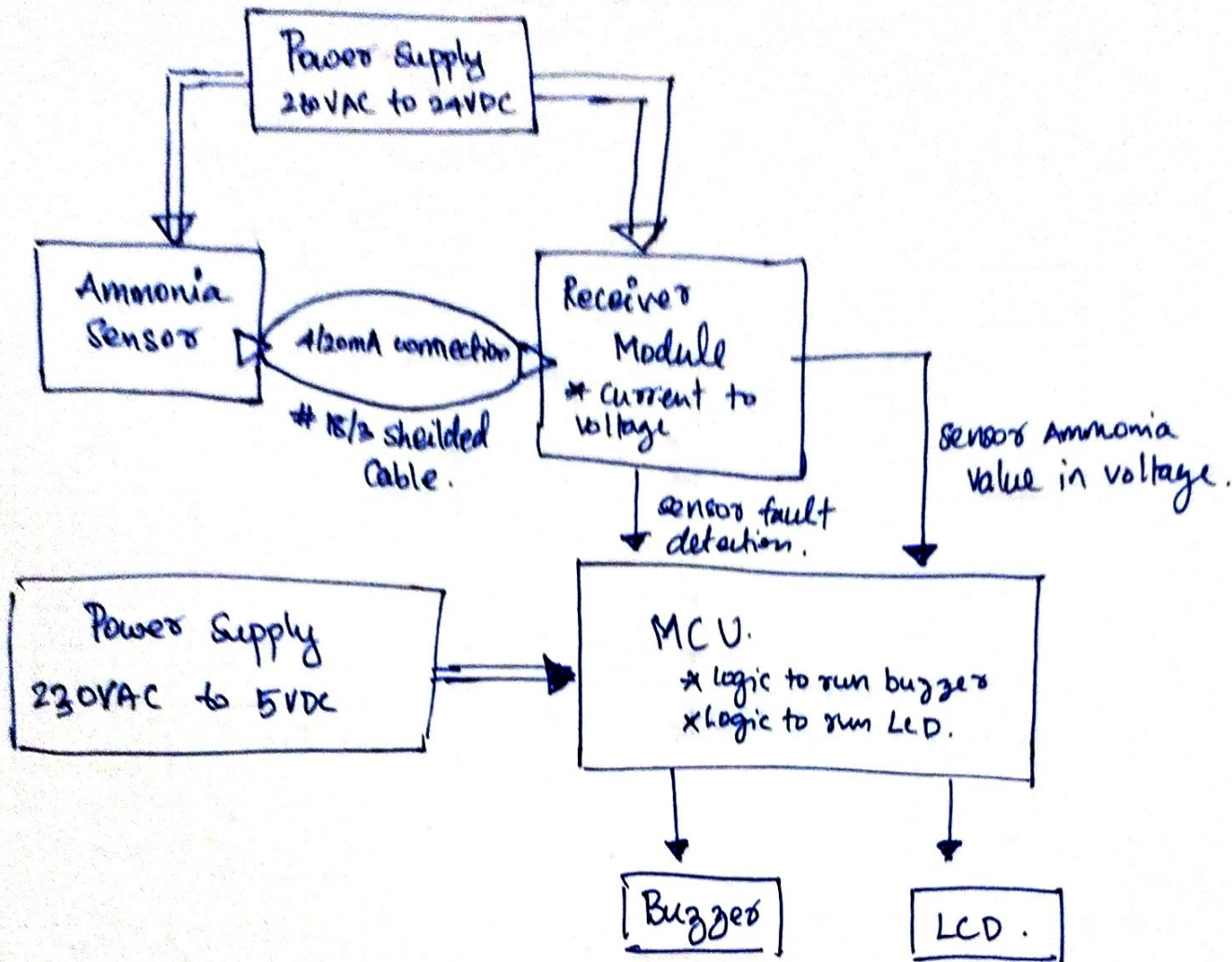


Block Diagram



1. Power Supply.

(i) \Rightarrow One 230VAC to 24VDC converter. Using LM7824 IC
 \Rightarrow Output: 24VDC, 2A.

(ii) \Rightarrow One 230VAC to 5VDC converter using LM7805 IC
 \Rightarrow Output: 5VDC, 1A.

2. Receiver Module

- Converts input current signal from sensor to voltage signal. for MCU.
- generates sensor fault detection signal for MCU. (5V signal) if sensor current is less than 0.5mA.

3. MCU

- Takes sensor voltage as input and runs logic to run LCD, buzzer.