

Power supply (5V)

Block diagram

- ① → Full wave rectifier
- ② → Linear voltage regulator

$$V_{1_{ref}} = 1.86V$$

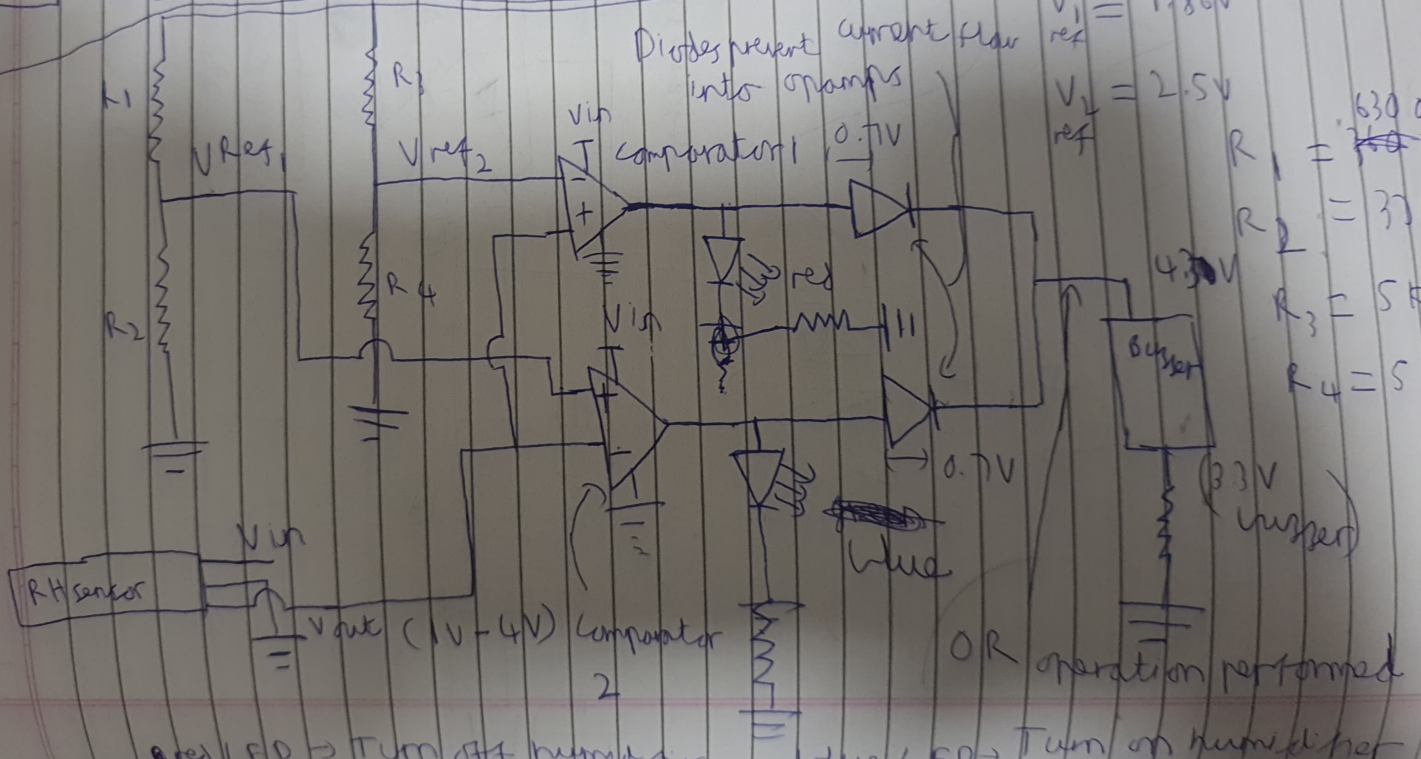
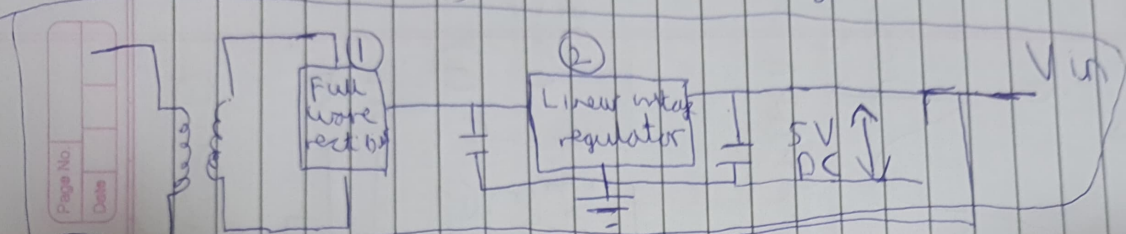
$$V_{2_{ref}} = 2.5V$$

$$R_1 = \frac{6300}{\cancel{3.45}}$$

$$R_2 = 3300$$

$$R_3 = 5K$$

$$R_4 = 5K$$



Red LED → Turn off humidifier

Blue LED → Turn on humidifier