



WEARABLE CIGARETTE SMOKE SENSOR

GROUP 4

CASE STUDY

- **Mama Bukky owns a bar and has run it for over 15 years**
 - She has made a lot of money from the business.
 - Specialized in cooking, serving pepper-soup, peppered meat and alcohol.
 - Her customers are also heavy smokers.
- **One day, she slumped while serving her smoking customers**
 - And was diagnosed with Lung Cancer
 - She was a passive smoker, being around smokers all the time

GOAL

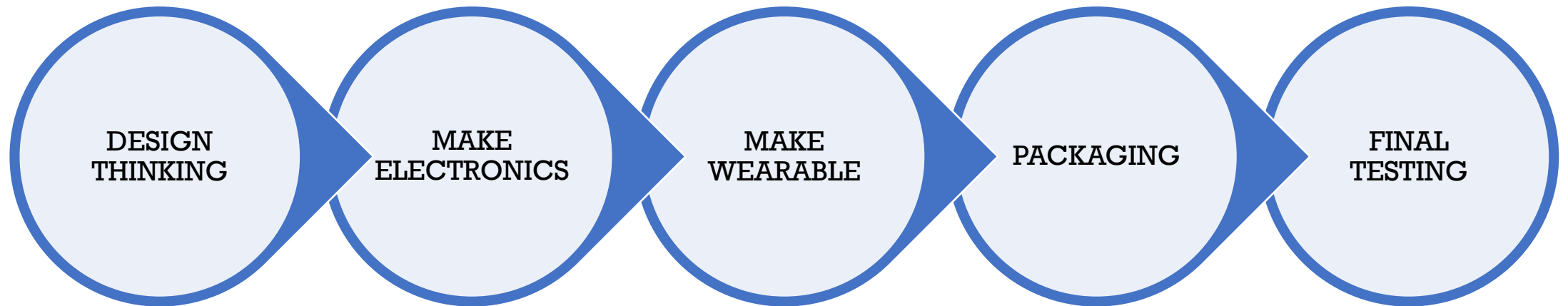
- A wearable device that:
 - Notifies the user when cigarette smoke gets too much.
- The goal is to reduce the number of casualties to passive smokers.

STATISTICS

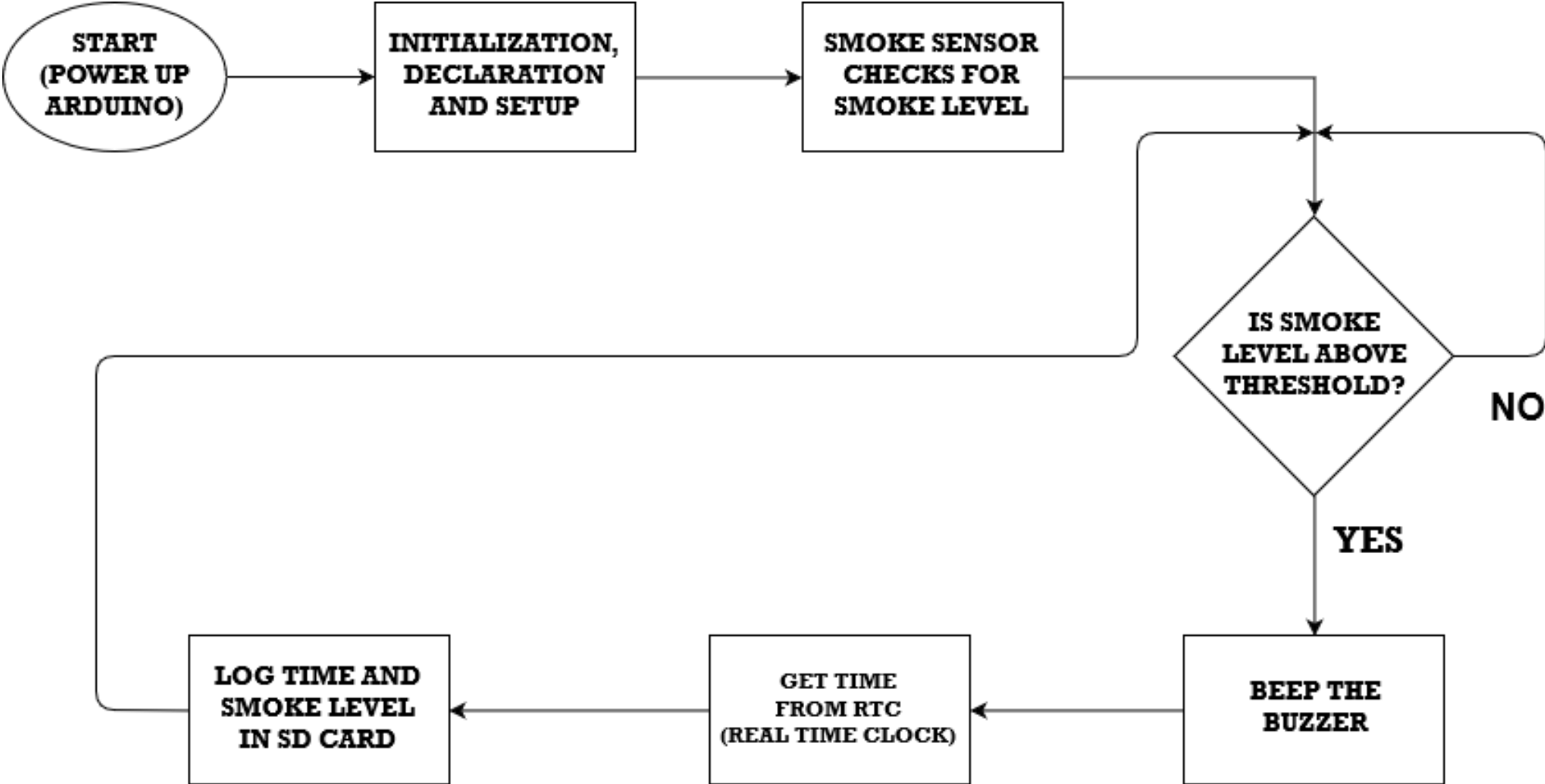
According to the World Health Organization, worldwide approximately 5 million people die yearly from smoking. In the United States the number of smoking-related deaths from 2000 to 2004 was 443,000, of which 49,000 were estimated to be from secondhand smoke.

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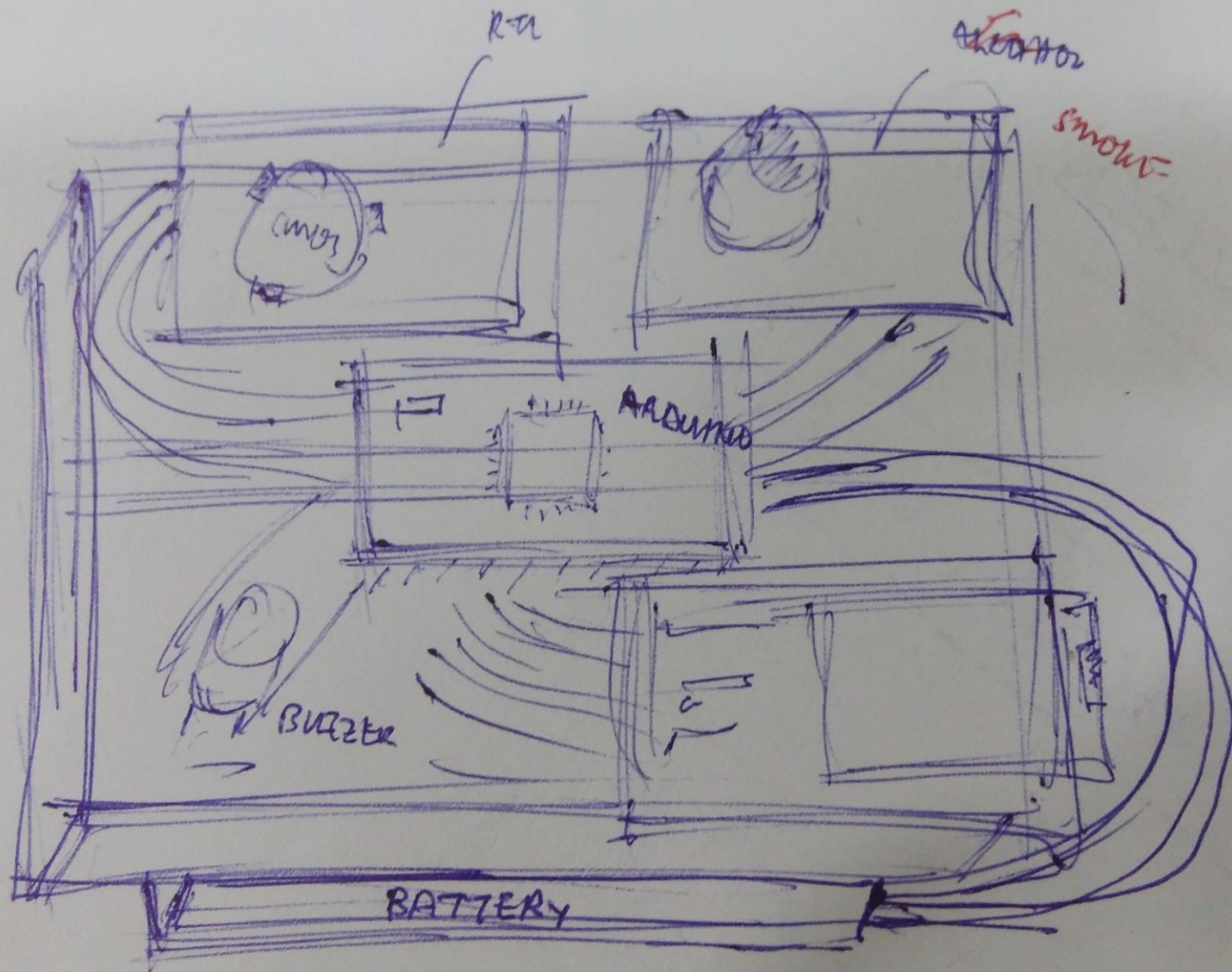
FLOW PROCESS

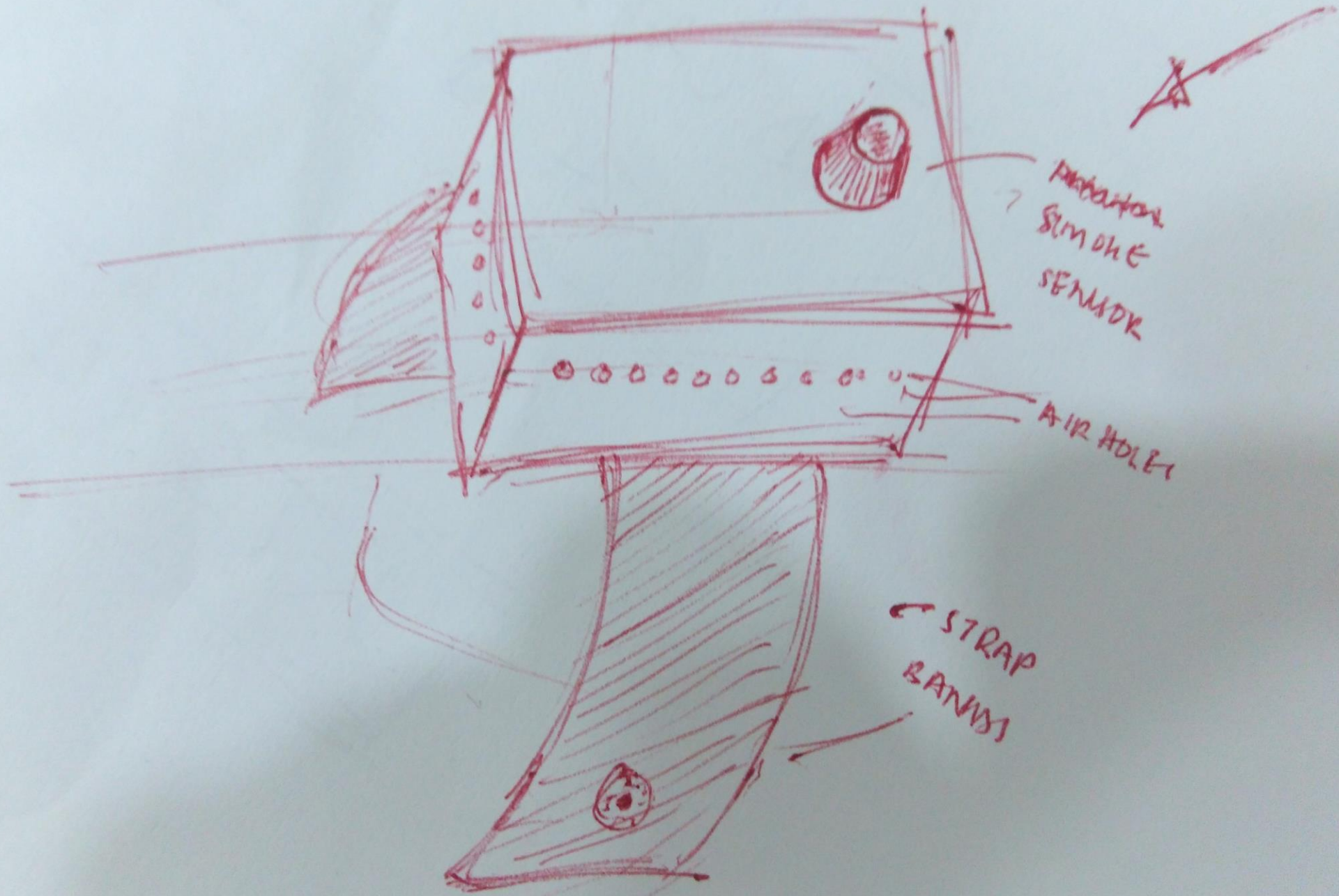


ARDUINO CODE FLOW



ELECTRONICS CONNECTION
(ASSEMBLY)





PROTEKTOR
SIMPAN
SENDAK

AIR HOLE

STRAP
BATAS

DELIVERABLES

1. Smoke detection
2. Logging time in SD Card
3. Combining 1 and 2
4. Testing for and fixing bugs
5. Allowing 3rd party to test
6. Start working on packaging
7. Sowing, Gluing, Cutting,
8. Bringing everything together

THANK YOU