



# MEDISPOSE

An artificially intelligent solution for biomedical waste management.

Thought and brought up by:

**The GDSC, IGDTUW New Delhi**

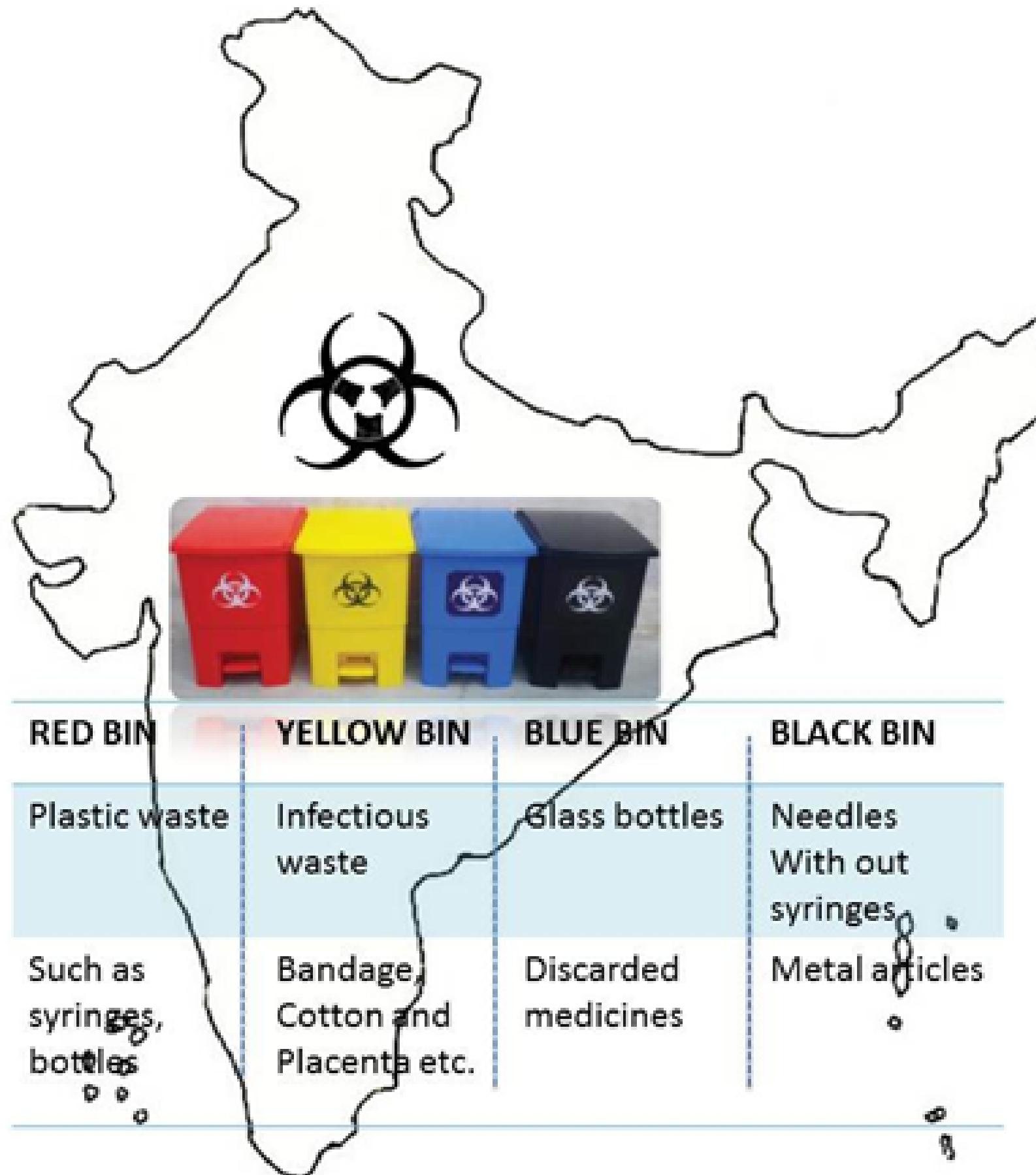




# INTRODUCTION

Biomedical waste management refers to the safe disposal of hazardous and non-hazardous waste (including soiled swabs, dressings, masks, gloves, surgical blades, needles, broken glass ampoules etc.) generated in routine clinical practice at the hospitals, clinics and health centres. This is achieved through careful segregation at the time of disposal itself, so as to reduce the risk of infection during handling.

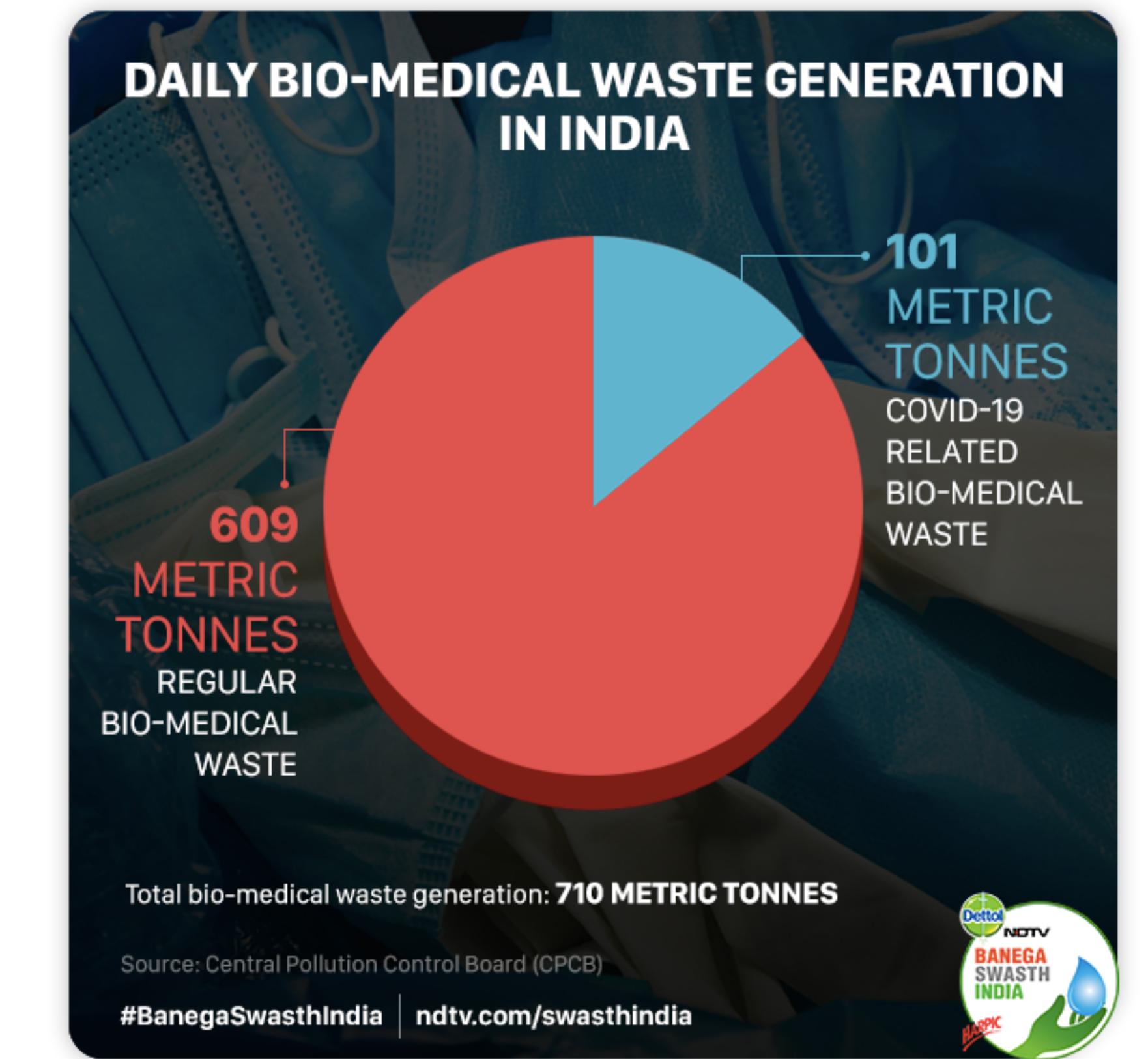
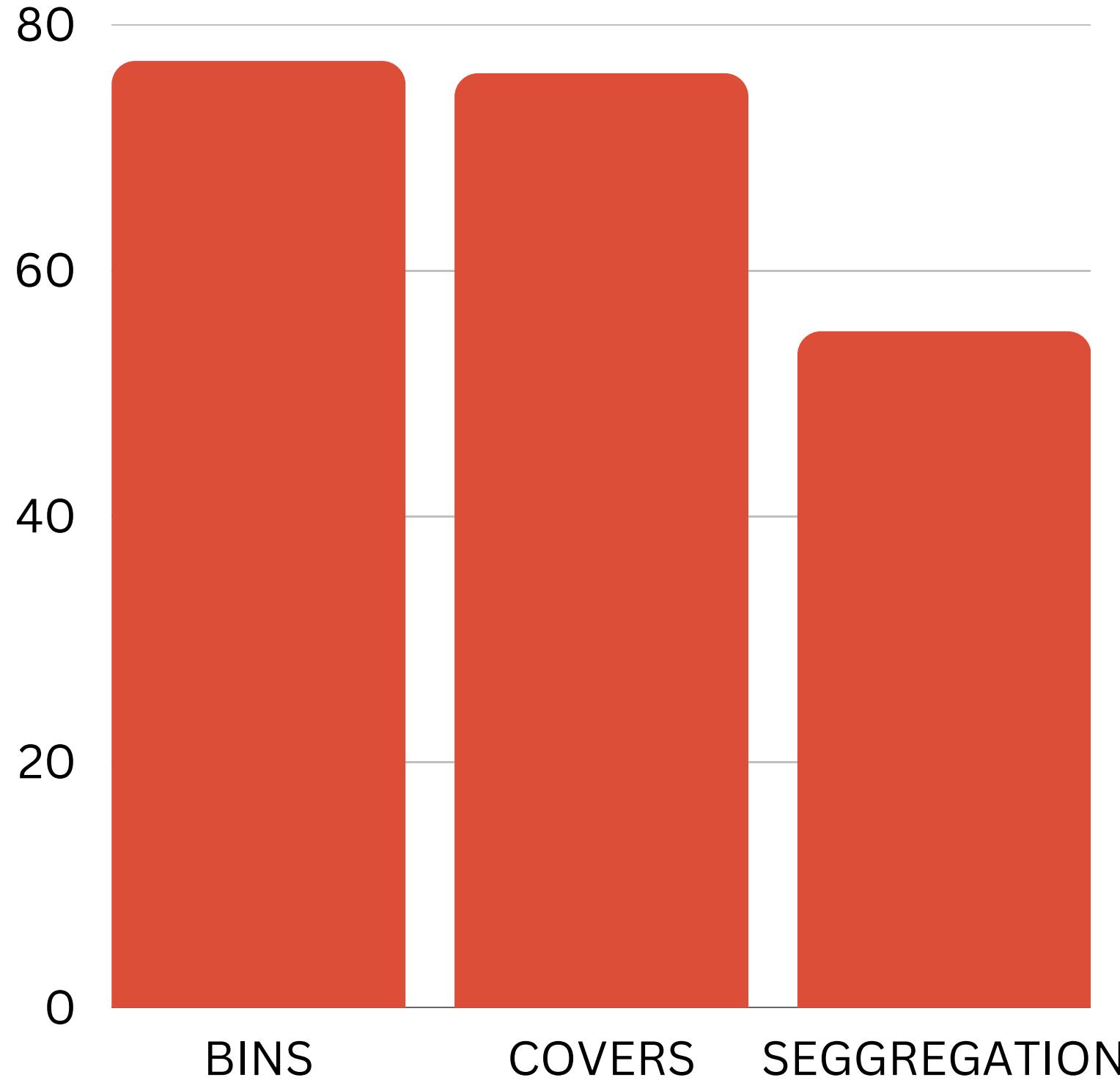
# PROBLEM STATEMENT

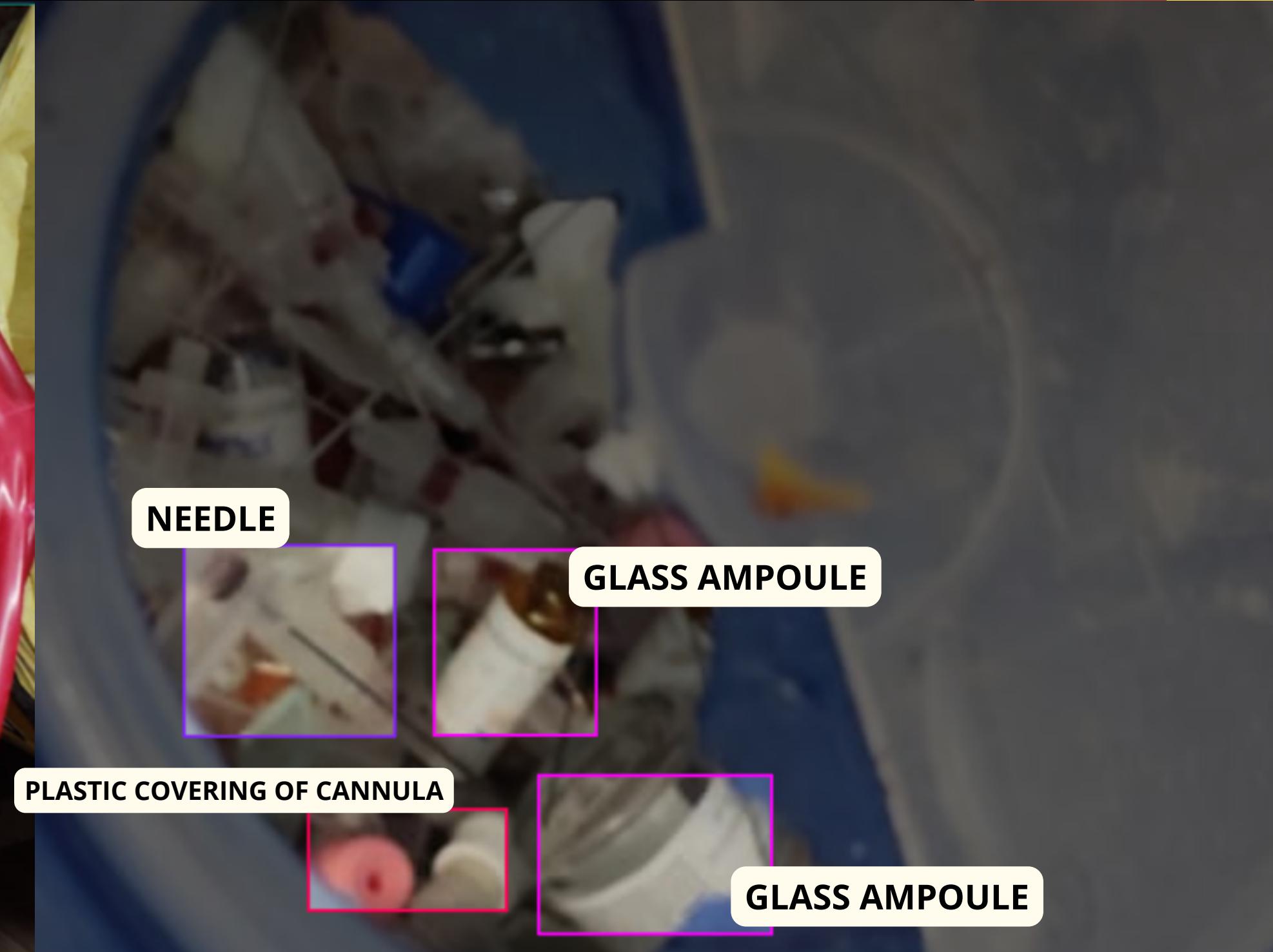
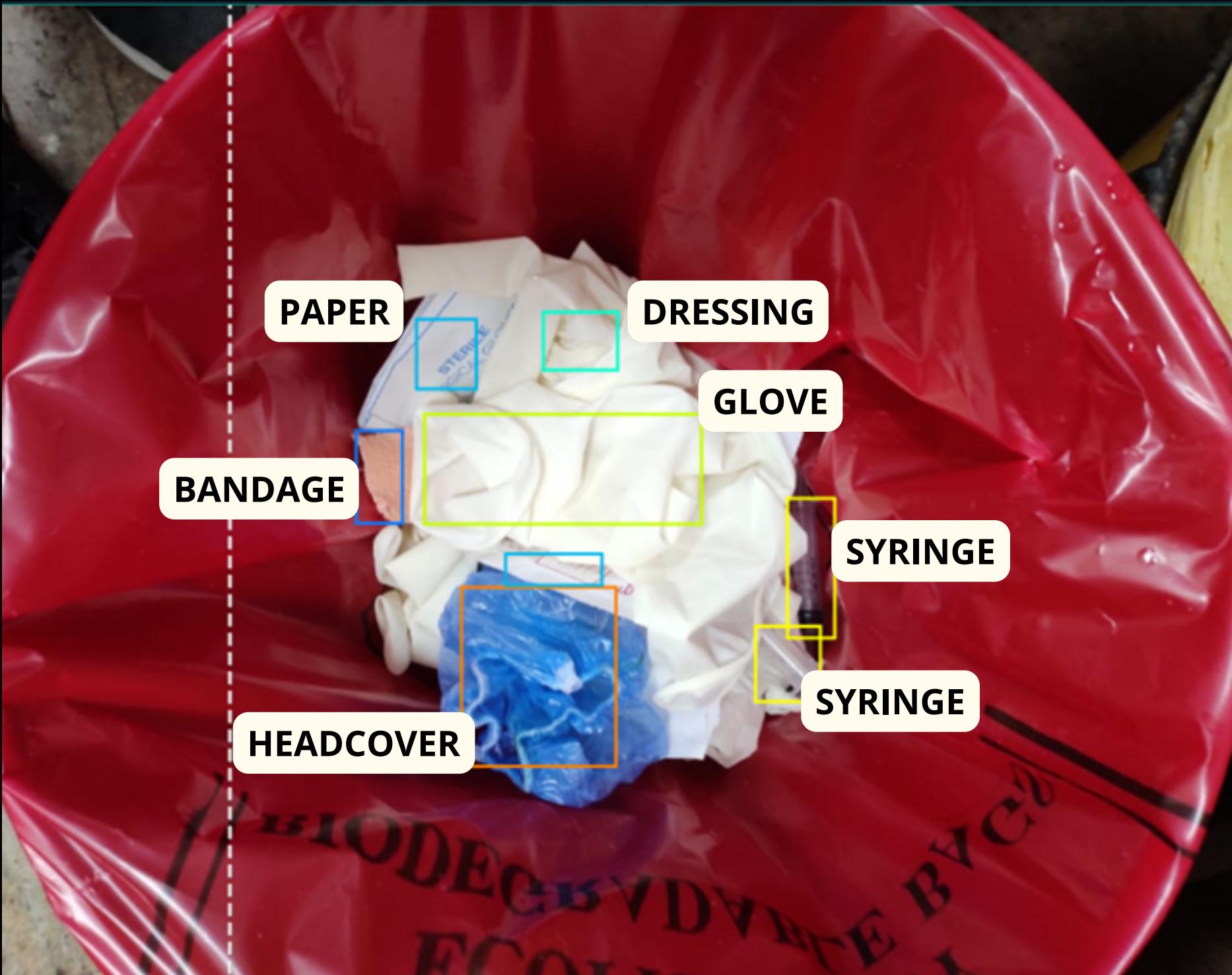


However, careless attitudes and falling awareness among medical professionals, paramedical staff and medical students, along with lack of knowledge and illiteracy among patients and their relatives, leads to non-systematic and unsegregated medical waste disposal, which is not only a hazard to the handlers, but also to the environment.

# OVERALL COMPLIANCE TOWARDS PROPER BIOMEDICAL WASTE MANAGEMENT

*(Bhaskar et al.)*







OUR  
SOLUTION

**3** GOOD HEALTH  
AND WELL-BEING



**6** CLEAN WATER  
AND SANITATION



**11** SUSTAINABLE CITIES  
AND COMMUNITIES



**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



**15** LIFE  
ON LAND



# TECH STACKS USED:



Firebase



Flutter









## FUTURE SCOPE

- The application will be made compulsory for all patients visiting the government hospitals.
- On correct disposal points will be rewarded which can be redeemed against electricity and water bills.
- Each hospital will receive feedback on the proportion of their unsegregated waste, in the form of reminders, warnings and penalties.



# THANK YOU



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