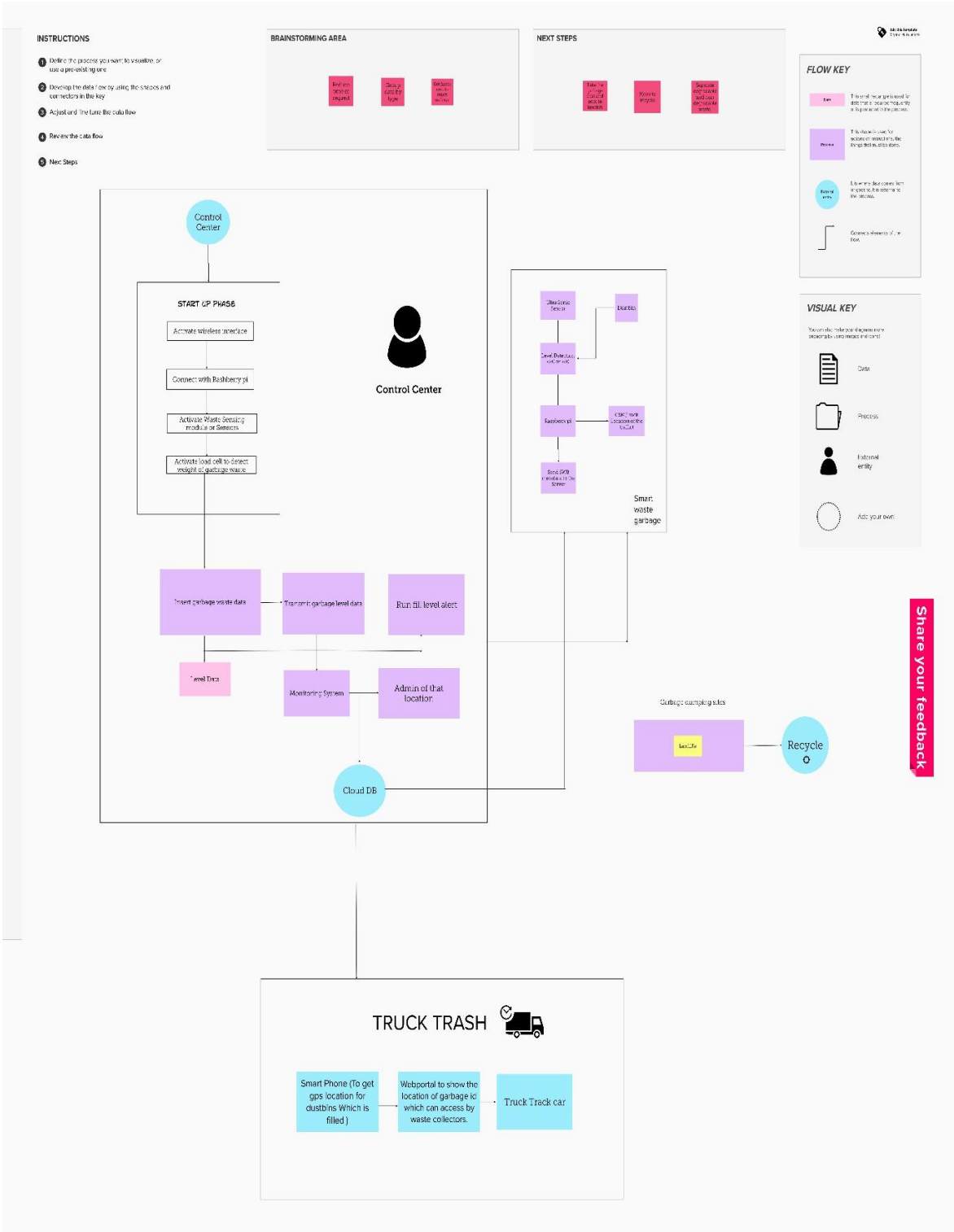
PROJECT DESIGN PHASE-II

DATA FLOW DIAGRAMS

TEAM ID	**PNT2022TMID52326**
PROJECT NAME	**SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES**

Data Flow Diagrams:



The classic visual representation of how information moves through a system is a data flow diagram (DFD). A tidy and understandable DFD can graphically represent the appropriate quantity of the system demand. It demonstrates how information enters and exits the system, what modifies the data, and where information is kept.

Utilizing analytics, a smart waste management platform can help you enhance your trash services by turning the information collected in your bins into useful insights.

You may obtain information on metrics like:

1. The garbage can is either empty or has very little waste in it when the test is initially conducted.

2. After then, rubbish is added to the bin until it reaches the first threshold value, which is set The system sends the first notification SMS when the trash level reaches 85% full, as shown in Figure.

3. The first warning SMS is issued when the waste level drops to 80%. The system's second SMS alert indicates that the trash bin is at least 95% full and that it has to be picked up right away.

4. Potential overflow areas.

5. The quantity of trash cans required to prevent overflowing rubbish. how many collection services might be saved.

6. The quantity of gasoline that might be saved.

7. The travel time that could be reduced