

# DATA FLOW

## SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

PROJECT ID:PNT2022TMID12348

The diagram illustrates a Smart Waste Management System architecture. It features a **Smart waste garbage** bin equipped with an **Ultra Sonic sensor** for **Level detection >80 Or <80**, connected to a **Raspberry Pi** and **GS M** module. The bin sends **SWB metadata to the server**. A **Garbage dumping sites** section includes **Landfills** and is linked to a **Recycle** cloud. A **Truck Trash** section contains a **Smart Fone** (to get GPS location for dustbins which is filled), a **Webportal** (to show the location of garbage id which can access by waste collector), and a **Truck track car** icon. Arrows indicate the flow of data and waste management processes.

