Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID06149
Project Name	Project - Smart waste management for metropolitan cities.
Maximum Marks	4 Marks

Data Flow Diagrams:
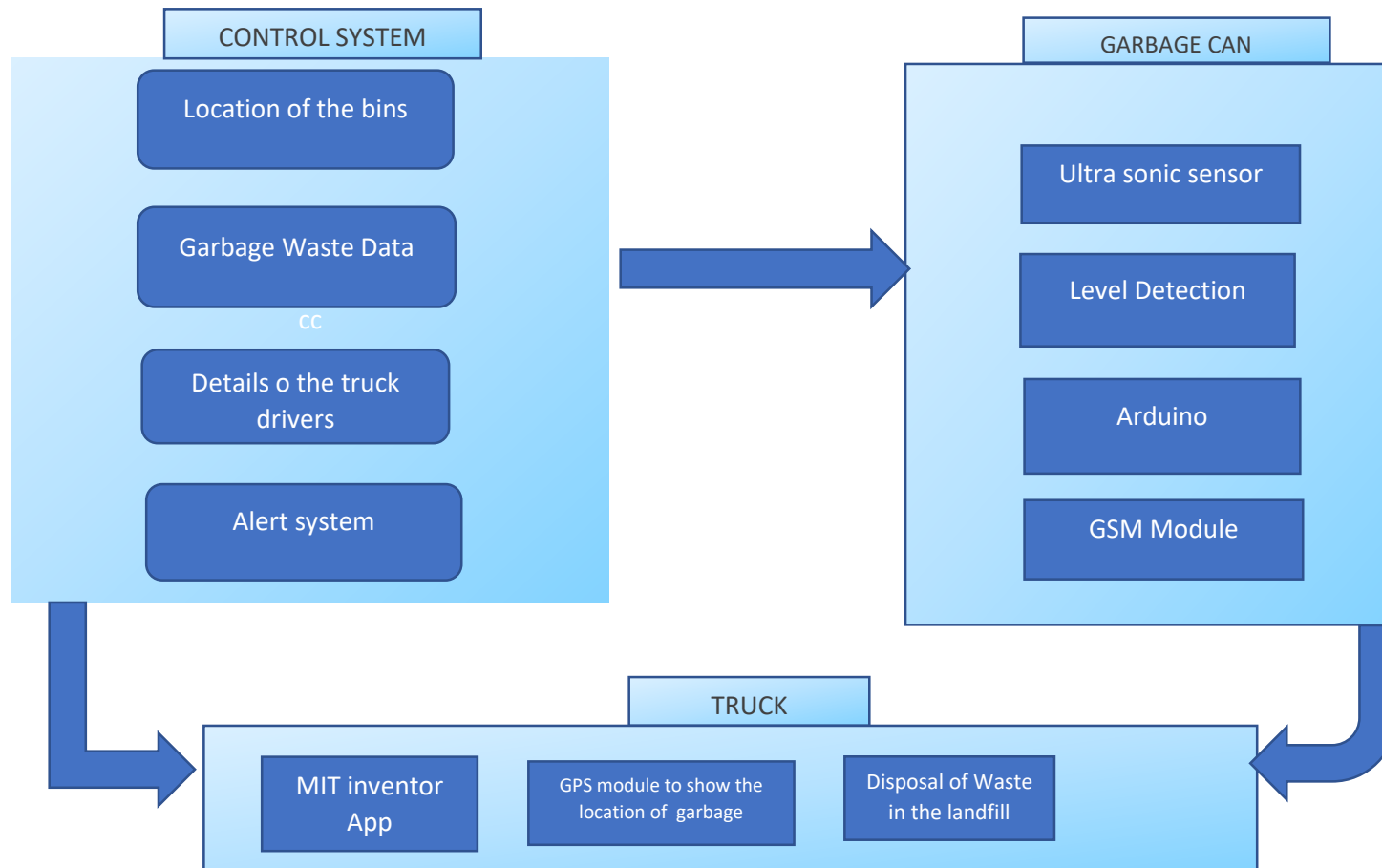
User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Admin	Location of Bins	USN-1	The particular authority must contain the location details of all the garbage cans in that particular location for easy accessing of the location.	Managing the web account	Medium	Sprint-2
Co-Admin	Bin monitoring	USN-2	Once the garbage can is installed the next step is to monitor the level of the waste generated by using an ultrasonic sensor and also a servo motor is installed to close the garbage can once the waste is dumped so that the waste does not spread in the surroundings.	Monitoring the level of the waste	High	Sprint-1
Co-Admin	Message alerting system	USN-3	A threshold level must be set, and once that waste level is reached then the sensor must sense the level and provide an alert message to the particular authority.	Providing an alert message	High	Sprint-1
Truck driver	Truck arranging system	USN-4	When the authority receives an alerting message then it must identify the location of the bin and it must send the message along with the GPS location of the bin to the truck that is available to collect the garbage can using the GSM module.	Arranging the truck to collect the garbage can	High	Sprint-1
Municipality	Supervision	USN-5	The municipality officers must supervise whether all the process is on its proper way.	Supervising the process	High	Sprint-1