

Build a Bot – Design Template

Student / Team Information

Team Name:

Student Names:

Date:

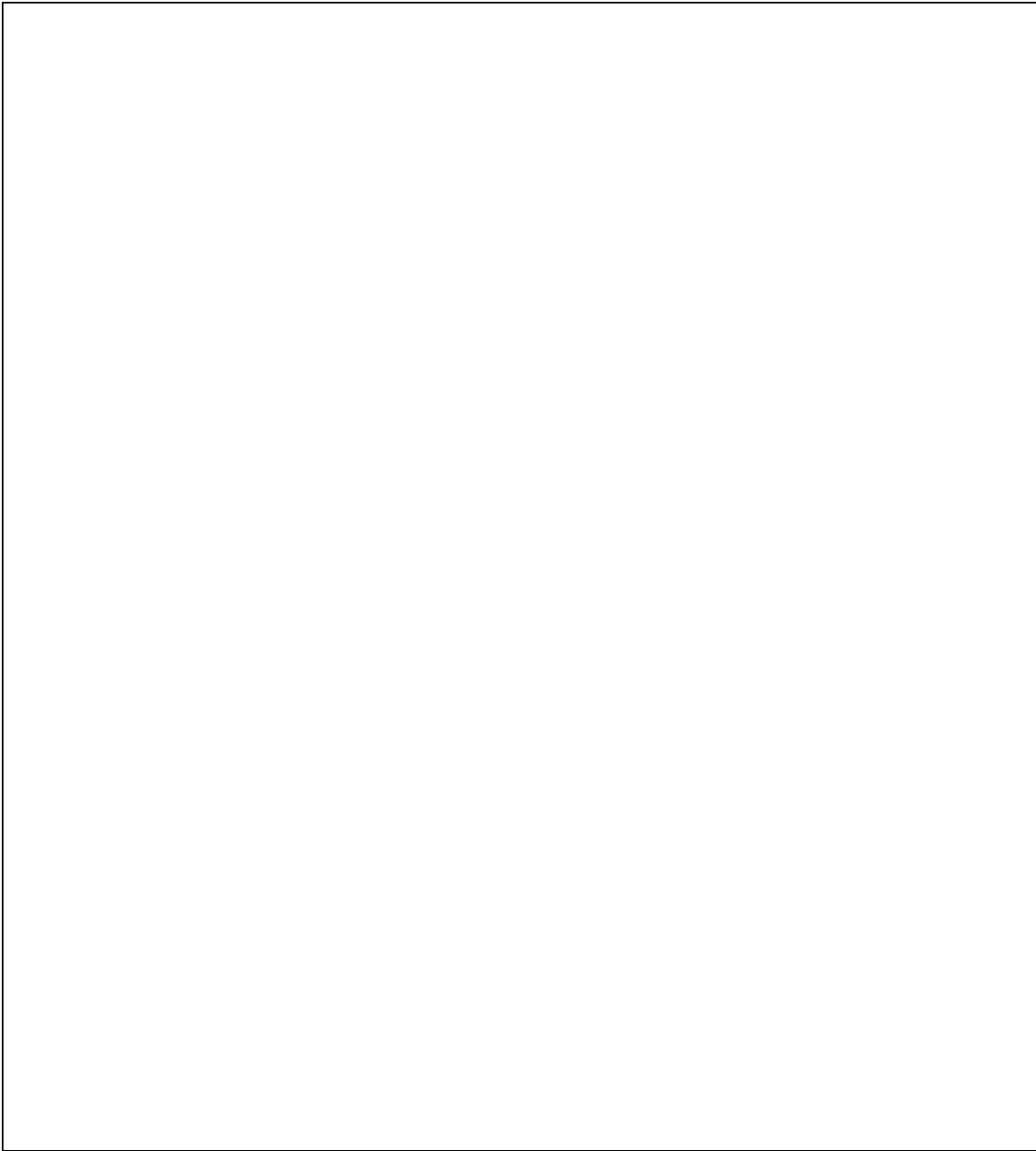
Exercise 1: Problem Definition

1. What problem is your robot solving?

2. Why is this problem important?

3. What should the robot do?

Exercise 2: Robot Design Sketch



Draw your robot design here.

(Label sensors, actuators, bins, motors, controller, material)

Exercise 3: Required Sensors/Actuators/Material

S.No	Type (Sensor, Actuator, Material)	Part name	Reason
<i>E.g.</i>	<i>Sensor</i>	<i>IR sensor</i>	<i>To detect whether garbage is falling into garbage can or not</i>

Any challenges you expect while building this robot?

Possible solutions or changes?