

THINKERS GROUP

Mechanical Engineers:

Ahmed Alqahtani

Seraj Khaled

Electrical Engineers:

Yaser Alshoibi

Raed Thamer

IoT Programmer:

Masoud Aljehani

AI Engineers:

Yazan Abdullah

Zaid Asem

Industrial Engineer:

Emad Anwer

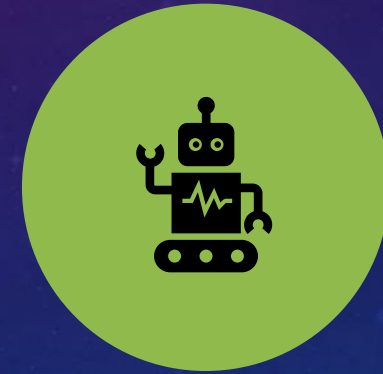
TEAMWORK



Each member will work in parallel at same time to save time, and all changes in plans would be discussed together so we will meet weekly to discuss all tasks and progress.



We will work on competition robot which will try to boke the other robot's balloon first to win.



The challenge will be to make the robot faster in making decisions and redesign the gripper to match our purpose faster and with longer range.

TASKS DISTRIBUTION

- For Mechanical members: They will design the arm and gripper and the base noting all motors places and overall weight of the robot.
- For Electrical members: They will construct the circuit which connect the Arduino with all required motors and control them.
- For IoT members: They will design the frontend and backend of the interface to control the robot.
- For AI members: They will train the robot to detect the target quickly and to avoid being attacked from the opponent.
- For Industrial members: They will guide, check progress, and review each task and test the robot and approve every accomplished task.

FIVE WEEKS TIMELINE

	Week 1	Week 2	Week 3	Week 4	Week 5
Mechanical					
Electrical					
IoT					
AI					
Industrial					

PRODUCTION LINE

- **1- Modeling** (3d printing, Cuttingtool)
- **2- Assembly** (Construction the manual)
- **3- Packaging** (Boxing)
- **4- Programming** (Application)
- **5- Finished!**