Group: -

Project: **Robot Arm**

Production Line

1- Modeling the parts using 3D printing.

2- Assembling the parts.

3- Designing the inner parts.

4- Creating the UI / interface.

Timeline

designing / printing the parts.
5 days

designing the circuit and assembling the parts.
5 days

designing the UI and robot interface.
5 days

Using ROS to control the robot movement area.
4 days

Project Plan

Developing and defining the projcet conecpt and gather ideas.

Undrestanding the project requirements and dividing the tasks among the team.

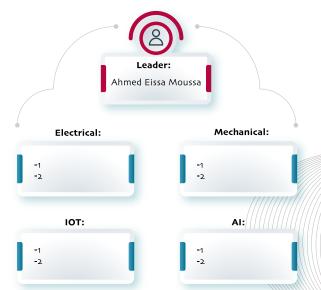Determining the tasks deadlines.

maintaining the work flow and making sure the project is done by the deadline time.

Tasks Arrangement

1- The mechanical engineers will design/assembly the 3D parts for the robot arm using CINEMA4D.

2- The electrical engeineers will design the circuits to control the motors on the arm.

3- The IoT team will make the interface needed to help the user control the arm.

4- The AI team will help controlling the robot movement area using ROS.

Group Structure

Leader:
Ahmed Eissa Moussa

Electrical:
-1
-2

Mechanical:
-1
-2

IOT:
-1
-2

AI:
-1
-2

Designed by:
Ahmed Eissa Moussa