This paper aims to present the plan of achieving the Robot Arm project, with a detailed task distribution, timeline, and the production line. All of which is written to get the satisfying final result of the project.

Robot Arm sheet

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The project plan

- Run a meeting with the engineers to discuss this paper with them and have their approval.
- Design a suitable arm shape.
- Pick a name, color, and size of the arm.
- Build a circuit to fulfill the goal of the arm.
- Program the arm to hold a cup, a paper, and a pen to draw basic shapes using Python language.
- Link the project with the internet.

Task distribution

- ***Mechanical engineer***
  1. Design a suitable arm shape using Soldworks.
  2. Measuring the sizes of the parts carefully to avoid the mistakes while assembling it.
  3. Provide the team member with the initial design using SolidWorks first then printing it.
- ***Electronics and electrical engineer***
  1. Build the circuit to run the project.
  2. Examine the efficient of the circuit and place the crush possibility and discuss it with the team.
  3. Determine the perfect source of energy the would be suitable for the arm project.
- ***Artificial Intelligence***
  1. Program the project to do the tasks agreed on.
  2. Test the performance.
- ***IOT***
  1. Link the arm with the internet.
  2. Save the data.

Timeline

Member/Duration	21-7-2021	22-7-2021	23-7-2021	24-7-2021	25-7-2021	26-7-2021	27-7-2021
Mechanical engineer							
Electronics and electrical engineer							
Artificial Intelligence							
IOT							

Production line