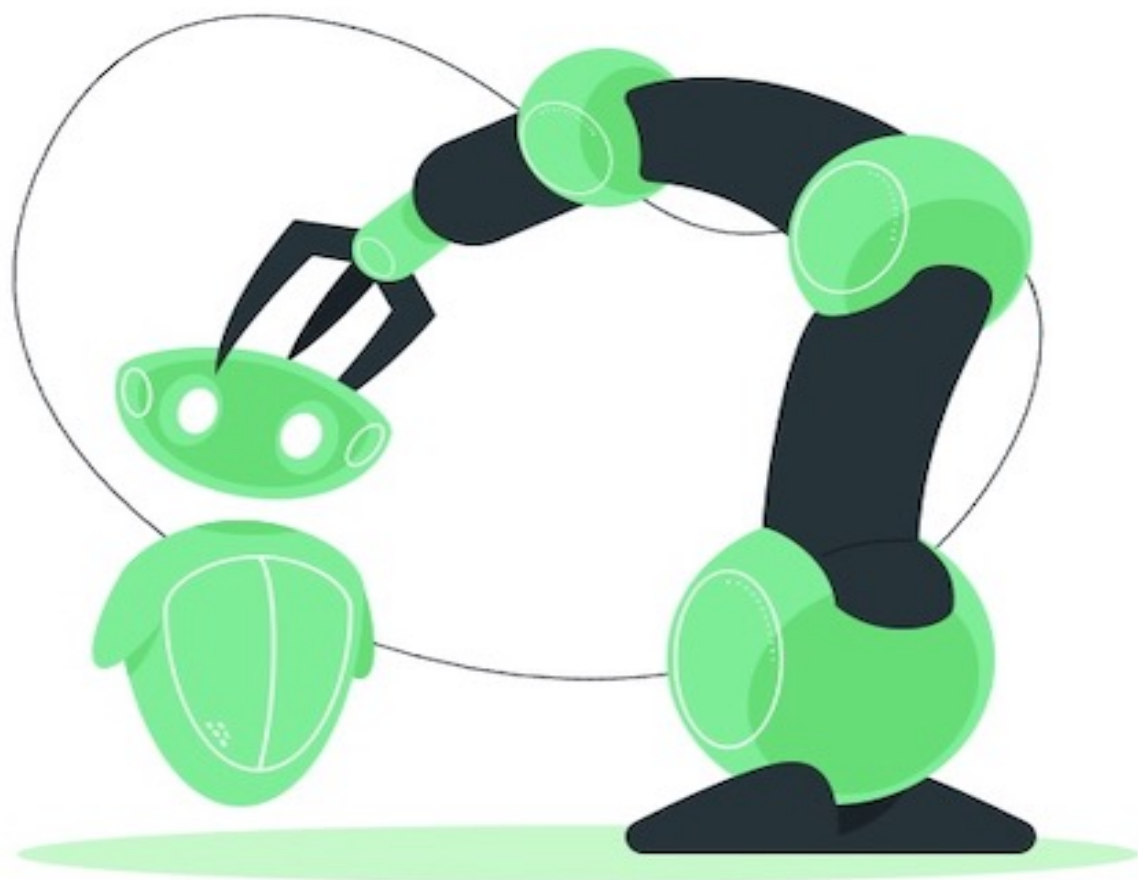


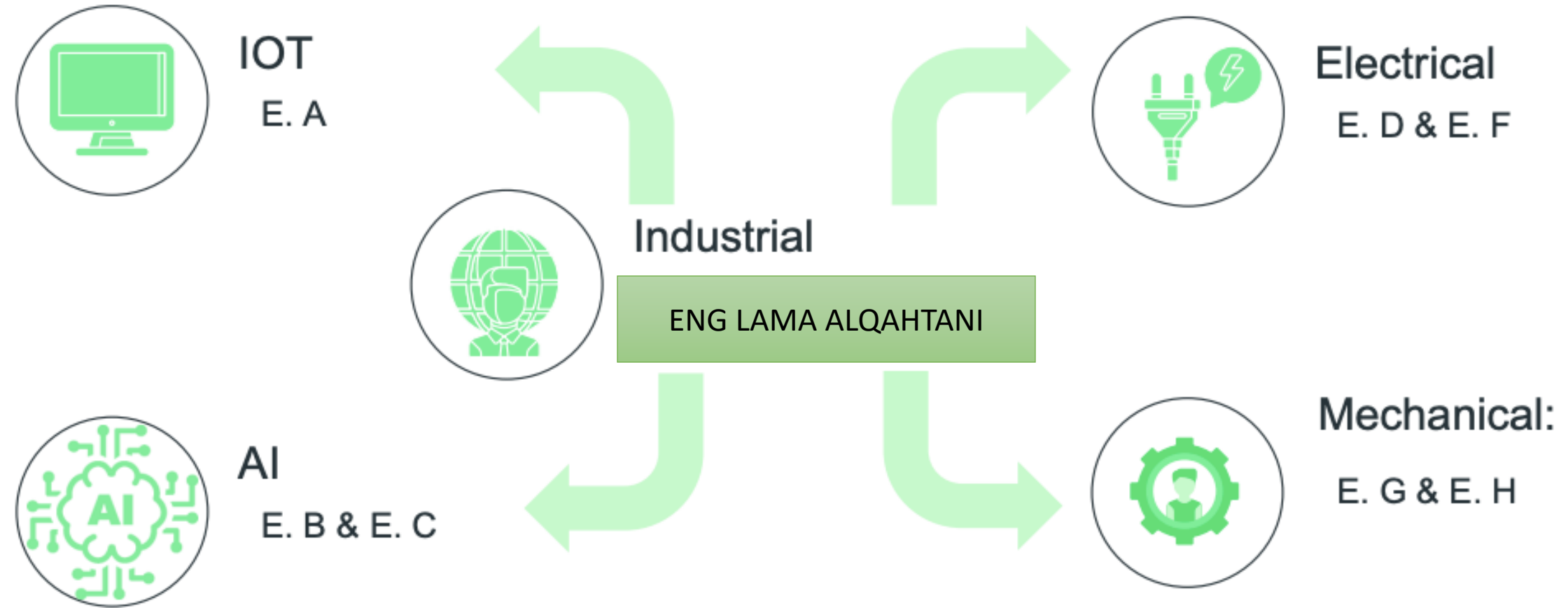
INDUSTRIAL ROBOT ARM

TECHTURTLES Group:
LAMA ALQAHTANI

Project Plan
Smart method



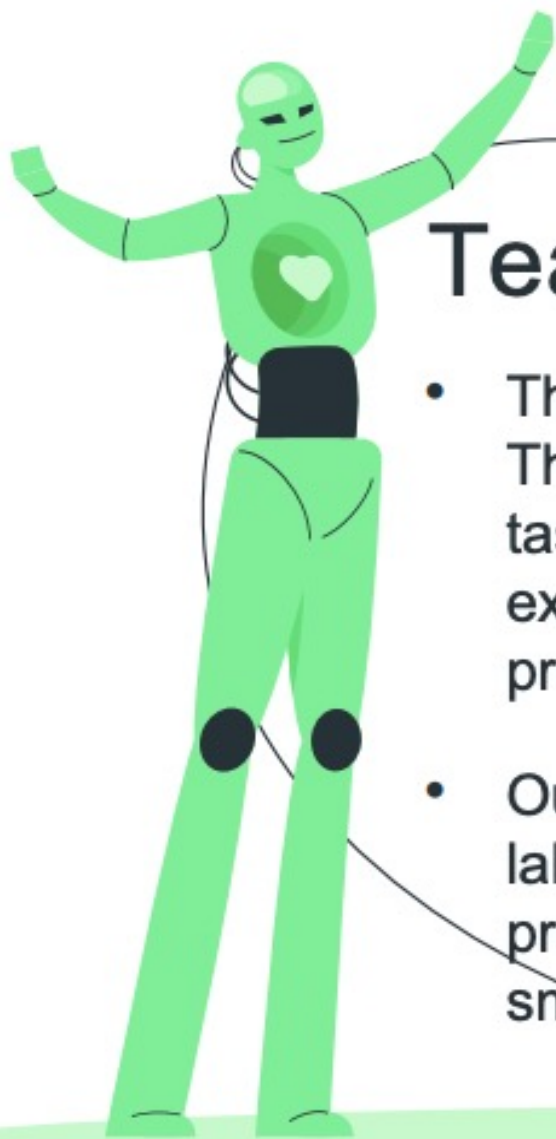
Our Team



Project Plan

Teamwork

- The way we work will be collective ,
The team will work together in all
tasks and in parallel to conserve time,
exchange experiences and skills, and
preserve time.
- Our industrial robot arm is to help
laboratories, and factories to increase
production by carrying materials and
small products.



Task Distribution

Industrial

allocate the tasks and responsibilities for the team members, determine the amount of time required, testing and reviewing the work.

AI

Apply the sensors in the arm so it recognizes its surroundings and doesn't hurt anyone.

Mechanics

Responsible for the production line, taking measurements and designing the arm .

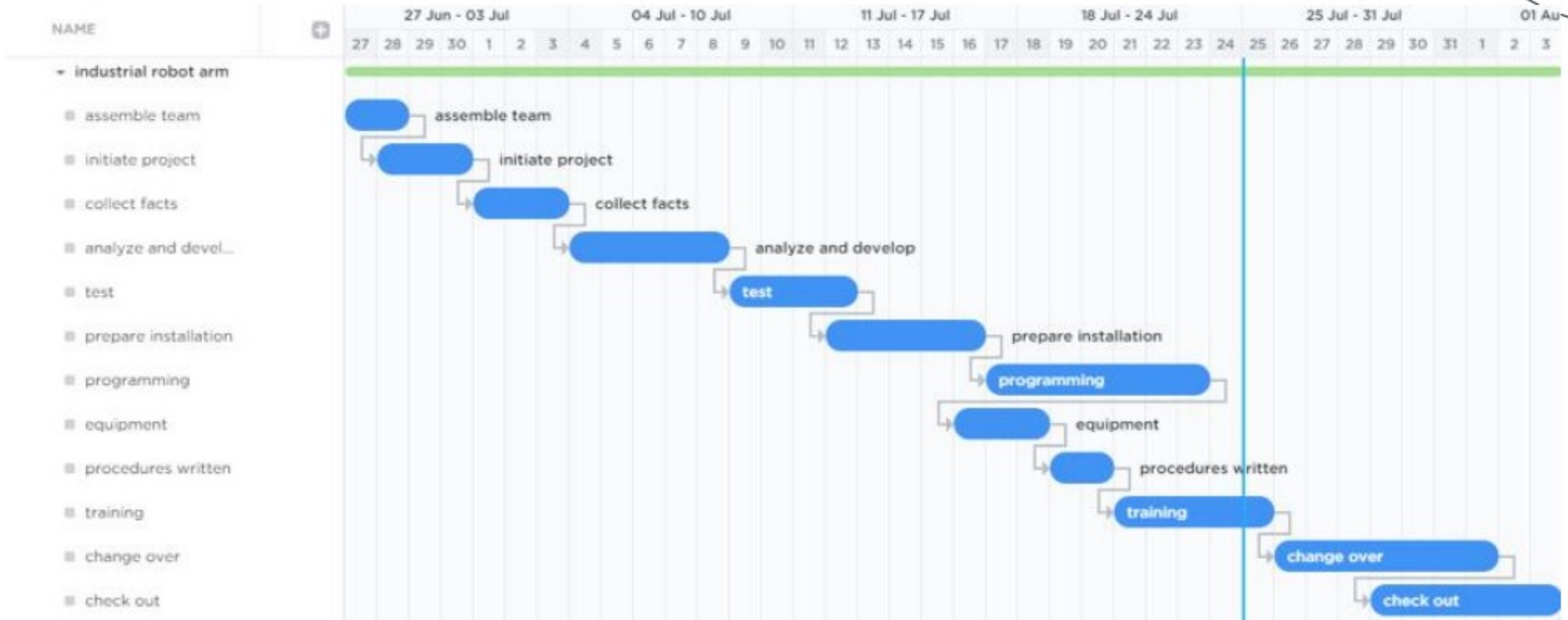
Electrics

Figuring out the needed electronic devices and how to program them and compute the degree of efficiency.

IOT

supervise the development of the devices or sensors themselves, programming the software that allows us to control the arm.

Timeline



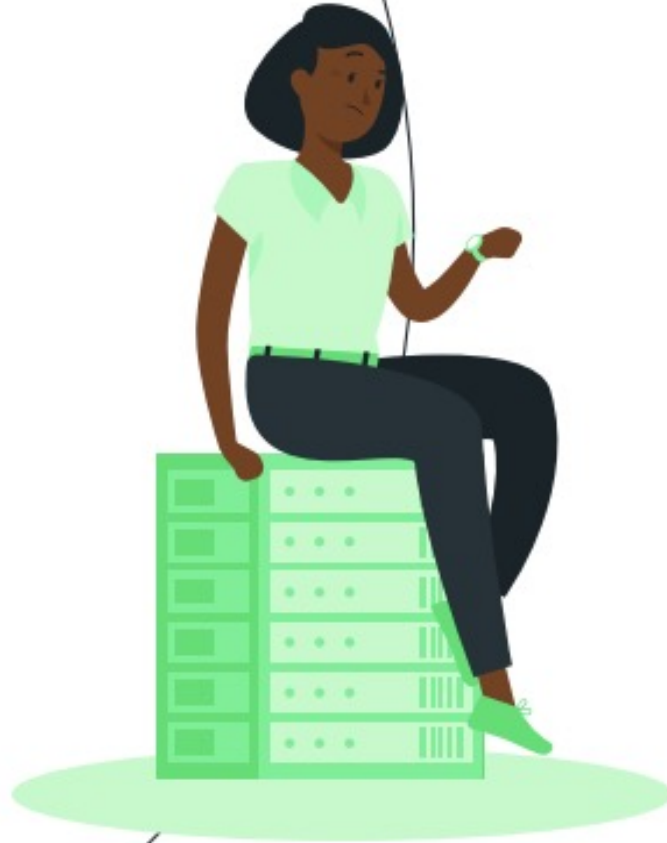
Introduction

- Robotic arms are generally made to simulate a human arm. This is achieved by giving it 7 various segments each part giving it a larger degree of motion.

Robot arms will often have:

The above stated 7 various segments bound together with 6 joints.

- Programmable which gives the user a choice to rotate each motor at various times.
- Have multiple attachments, meaning a robot can have claw, drill, welder, spray gun etc.
- Various sensors to perform specific tasks.



Poduction Line

1

MODELLING

Cutting tool ,3D print and CNC

3

PACKEGS

Box

2

ASSEMBLY

Mechanical

4

PROGRAM

App and Web

