

REQUIREMENTS

Functional Requirements

- mechanical engineering
 1. Accurate calculation of rotation angles for each joint
 2. balance
 3. flowed dynamic
 4. Calculate the pouring dimensions of the coffee to ensure that it does not spill
 5. Joints bear weight and reduce friction
- Electronics and electrical engineering
 1. Using a sensor to know the amount of coffee in the cup
 2. The engine is in the state to heat and sensitive to know the amount of coffee
 3. Emergency lock button
- Artificial intelligence and robotics
 1. Getting to know the counterparty
 2. Find out if the person ordered the coffee
 3. Knowing the map of the place
- The Internet of things
 1. Correlate the speech of the opposite person with the commands that the robot is required to carry out

Non-Functional Requirements

- mechanical engineering
 1. Design The outer cover of the robot
- Artificial intelligence and robotics
 1. Reply to request
- The Internet of things
 1. Walk around to take orders