

Introduction:

This mechanical robot design divided into 3 sections:

- 1 Hand sketch
- 2 Motor selection
- 3 Type and movement for end effector

Hand sketch:

On this mission, I was asked to do a initial mechanical design "hand sketch" for a robot that would Distributed brochures to people "I called him **Saeed**".

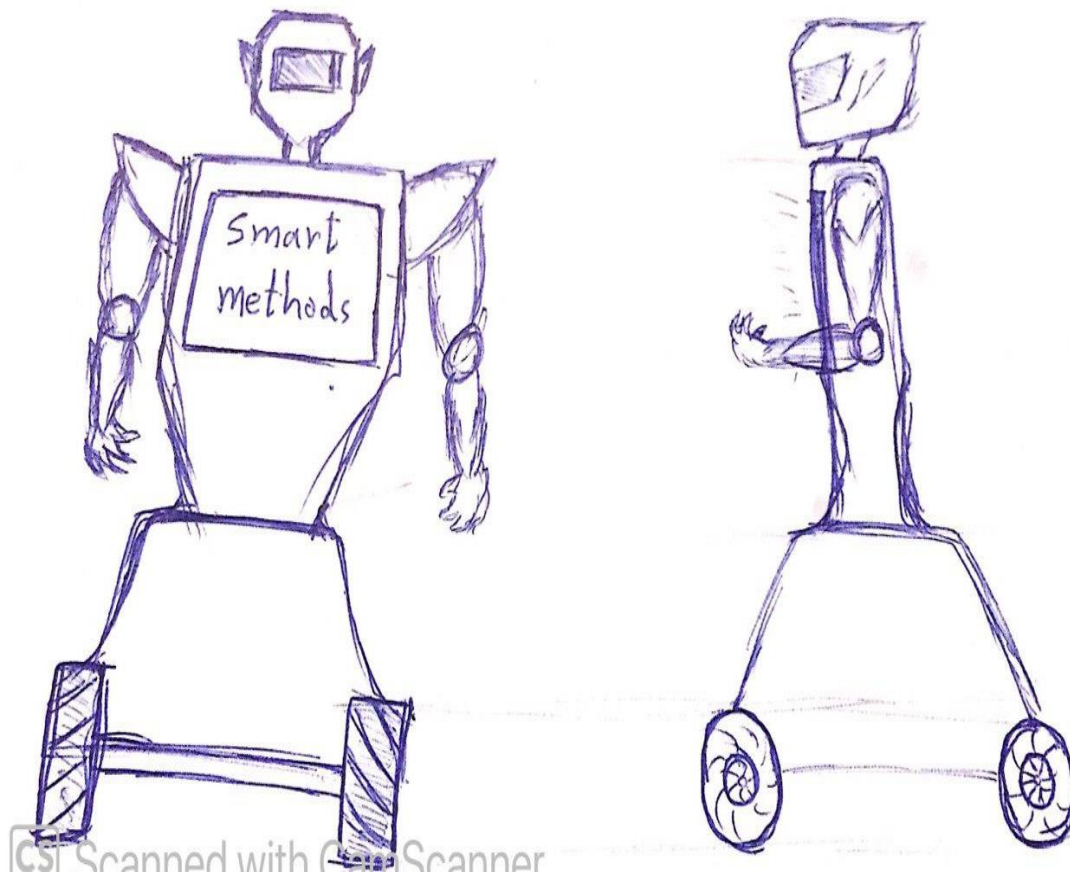


Figure: Hand skich for Robot Saeed

Motor selection:

In this robot " Saeed" we will use several motors, for example, with wheels. We must use a high torque Motor because we need to move the whole body such as LOBOT LD-260MG Motor.



Figures: for LOBOT LD-260MG Motor & mg995 motor

It is possible for the Arm and End Effector to use a motor with less torque to reduce the weight of the arm such as mg995.

Type and movement for End Effector:

Then I also made an example of the hand movement, which could be in the form Grippers are the most common type of end effector. They can use different gripping methods and actuation styles.

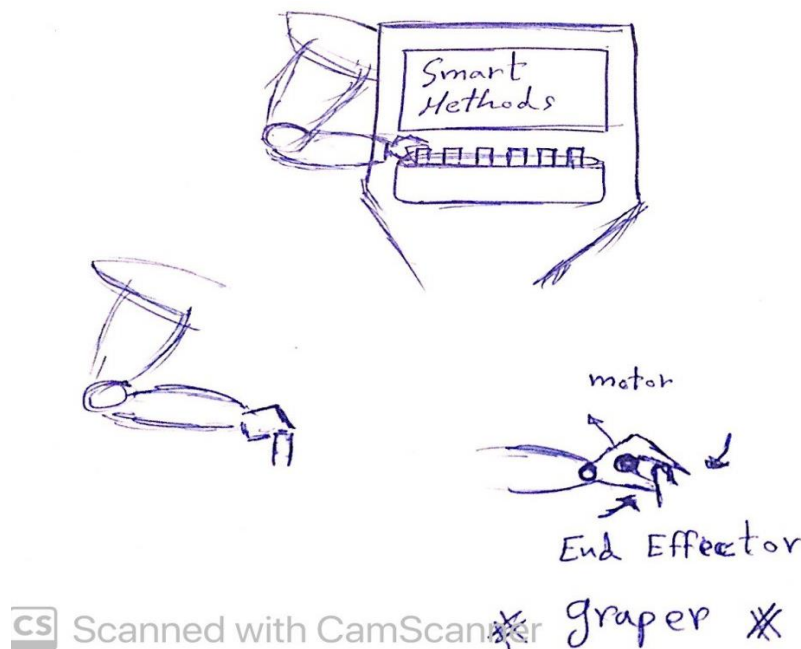


Figure: End Effector

In conclusion, this is a very simple design, I tried to solve some things and it can be greatly improved, I hope you like it.