

# protection items

First task: Industrial engineering track





### **Protection elements:**

- 1- Develop a system that enables the robot to maintain its balance to ensure that it does not fall.
- 2- Putting a protrusion at the edges of the screen so that it protects the screen in the event of a fall.
- 3- Put a strong transparent buffer (protection) on the screen.
- 4- Strengthening the weak and vulnerable limbs with strong or rubber covers.
- 5- Putting precise sensors in the robot to avoid falls and shocks.

### **Suggestions for some robot work:**

- 1- Providing the robot with a clear and powerful voice system that enables it to give instructions anywhere.
- 2- Make the robot answer all the questions of customers or others by linking a voice call with the employee.
- 3- Providing the robot with charging ports for smart devices.