



#### 1 The Robot at Rest

A flat robot with three wheels sits motionless on a level surface. It is voice controlled. There are three or four boulders roughly the size of the robot scattered around it.



#### 2 Filtering Voice Commands

The robot constantly processes exterior noise, waiting for a voice command. When it detects one, it filters out the audio command from the surrounding noise.



#### 3 Processing Simple Commands

The robot can process simple voice commands, like "move left three feet". Here, it turns to the left and proceeds three feet in a straight line.



#### 4 Processing Complex Commands

The robot can also process more complex voice commands, like "move to the red target". Here, the robot searches the area until it finds a red target. The target is shown from the robot's point of view.



#### 5 Auditory Response

If actionable keywords are not included in the voice commands, the robot gives an intelligent auditory response using AI.