

(1)

An agent which acts in a way that is expected to maximize to its performance measure, given the evidence provided by what it perceived and whatever built-in knowledge it has. Such agents are known as Rational Agents.

4 main characteristics:

1) Perceive environment:

The agent receives some form of sensory input from its environment and it performs some action that changes its environment in some way.

ONCE DAILY  
**PROVAIR**<sup>®</sup>  
MONTELUKAST

4mg oral granules  
4mg & 5mg oral dispersible tablet  
10mg film coated tablet

## 2) Making decisions:

The agent can act without direct ~~envi~~ ~~io~~ intervention from humans. ~~It~~ It has almost control over its own actions.

## 3) Adaptivity:

It is capable of reacting flexibly to changes within its environment.

## 4) Rational Action:

AI agent must be a rational action. These agents whose actions make sense



from the point of view of the information possessed by the ~~an~~ agent and its goals.

PEAS <sup>(2)</sup> description of my agents

---

As I am developing an intelligent mobile robot that delivers coffee in UHP so -

1) Performance measure:

---

how perfectly the robot can deliver my coffee and it has the right ability of choosing right texture of a coffee and also the customer.

ONCE DAILY  
**PROVAIR**<sup>®</sup>  
MONTELUKAST

4mg oral granules  
4mg & 5mg oral dispersible tablet  
10mg film coated tablet

## 2) Environment:

the place in which the robot has to deliver -

Table, room, exact location

## 3) Actuators:

This is the component of machines that convert energy into motion.

Example: wheels, hand, leg.

## 4) Sensors:

camera, engine sensors, GPS.

Characterize it in terms of the properties of different tasks environment:

### ① Partially Observable:

It has no reason to access to the complete state of the environment. ~~It's~~ ~~only~~ only work is to serve coffee.

### ② Deterministic:

It ~~is~~ <sup>has to</sup> completely determined by the current state and the

ONCE DAILY  
**PROVAIR**<sup>®</sup>  
MONTELUKAST

4mg oral granules  
4mg & 5mg oral dispersible tablet  
10mg film coated tablet



action executed by the agent. Otherwise, it can't deliver the coffee properly.

### ③ Episodic

This agent doesn't require memory of past actions to determine the next best action. Every order will be new order. It has to work like the exact order that time.

### ④ Static:

It doesn't have to ~~can~~ change the environment

(5) is multi-agent:

The ~~coffee~~ robot can be

~~be~~ ordered by multi-agent.

\* Many customers can order coffee.

ONCE DAILY  
**PROVAIR**<sup>®</sup>  
MONTELUKAST

4mg oral granules  
4mg & 5mg oral dispersible tablet  
10mg film coated tablet