**Final Project check-in**

**a.FSM**

Diagrama

Descrição gerada automaticamente

Figura – FSM

**b.** **Describe Extensions**

(i) Autonomously explore the map

The robot will explore the map through the vendors machines in autonomous mode and after will proceed the deliver task.

(ii) Recognize + avoid hazards on the ground

The robot will be capable to recognize hazards, using the camera and image recognition, like – puddles and holes – and avoid them.

(iii) Recognize + avoid moving hazards

The robot will be capable to recognize moving hazards, using the camera and image recognition, like – animals and other robots, vehicles – and avoid them.