



Function:
The High-speed rail robot is a “Train attendant” robot that has a function of scanning passengers ticket for a much more comfortable travel. The robot is semi-autonomous and line following, operating using machine vision to detect passengers presence and asks for the ticket to be scanned in a form of a card on the LCD screen. The robot is further equipped by low voltage safety features and ultrasonic to avoid collision with passengers moving in the hallway .

COMPUTERVISION CAMERA TO DETECT THE PRESENCE OF THE PASSANGER. MOUNTED ON A SERVO TO CHECK BOTH SIDES

CARD READER TO CONFIRM THE PASSENGER IS IN THE RIGHT SEAT

FIBERGLASS BODY FOR LIGHT WEIGHT AND HIGH STRENGTH

LCD SCREEN FOR EASIER COMMUNICATION WITH PASSANGERS

CHARGING PORT AND EMERGENCY STOP BUTTON FOR CONVENIENCE

ULTRASONIC SENSOR TO AVOID COLLISION WITH PASSANGERS IN THE ALLEY

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