Considering a bot which has planned a path to its destination. We make use of various sensors to keep track of its path and possible obstacles.

1. **Wheel sensors :**

A bot uses a light sensor to measure its wheels rotation. With this number and wheel circumference we can keep track of distance travelled.

Another sensor on wheels measure the angle of turning and by keeping track of time of each of this action we can map the path of bot.

1. **Mapping :**

Bot can have a self-navigation system with mapping technology. For mapping it uses combination of LIDAR and onboard digital camera.

LIDAR (Light detection and ranging) distance to objects in surrounding bot. Similarly Onboard digital camera take pictures of bot’s surrounding and detects objects around. Combining both technology we can map the surrounding of bot which will be used to keep track of its track to its destination.

1. **Obstacle sensors :**

The sensor based on infrared rays keeps track of obstacles and bot acts to overcome it. Similarly another infrared sensor keeps distance of floor from bot to avoid any cliff.