

MR - A Selection Of Components

Thursday, August 27, 2020 3:27 PM

Electronics

Mechanics and Design

Robotics

Programming / Instructions

Projects

- 1 - What is the speed of your Robot
- 2 - Service Robot Order to Table.
- 3 - Localization , Dead Reckoning

Problems

Learn

Selection Of Components

- Weight of robot carrying 10 Kg
- Speed that you want 1.0m/s
- Type of Robot mobile robotics -
- Working Time 1 hr
- Micro-Controller

Wifi , BT

Our Selected Components

- Dc Geared Motor with Encoders 2kg -
- 2 Kg of Torque
- Differential Drive
- Li-po 12V
- Wifi capable Controller.

ESP 32

Motor:

Battery

Micro Controller

Electrical connections and Power

Designing The Body