# Differential-Drive Mobile Robot (Prototype #1)

## Spinning the Wheels

**Components:**

* x1 Arduino Mega 2560: [Link](https://hshop.vn/products/arduino-mega-2560r3).
* (Optional) Power Bank with two USB-A (for both Arduino & Jetson/Pi): [Link](https://tiki.vn/product-p48493605.html?spid=73724579)
* x2 DC Servo JGB37-520 + Wheel + Mounting Bracket: [Link](https://hshop.vn/products/bo-dong-co-dc-servo-jgb37-520-kem-ga-bat-va-banh-xe-v2-65mm)
* x1 Motor Driver XY-160D: [Link](https://hshop.vn/products/mach-dieu-khien-dong-co-dc-motor-driver-xy-160d)
* x2 Ball Bearing Universal Wheel: [Link](https://hshop.vn/products/banh-da-huong-mat-trou-kimloai-lon)
* ~12 V Power Supply for Motors and ~ 5V Power Supply for Arduino.
* Platform (large enough for other components).
* 21\*16

A screenshot of a computer

Description automatically generated