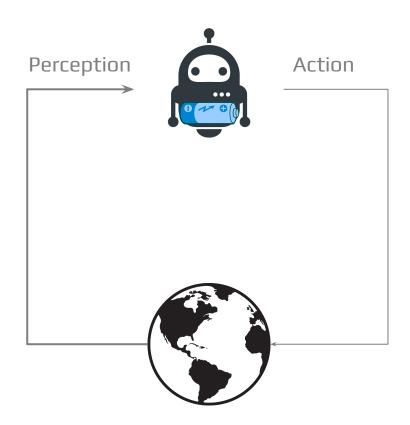
ENGR 3421: Robotics I

Power System

Outline

- Different Voltages
- Power Budget

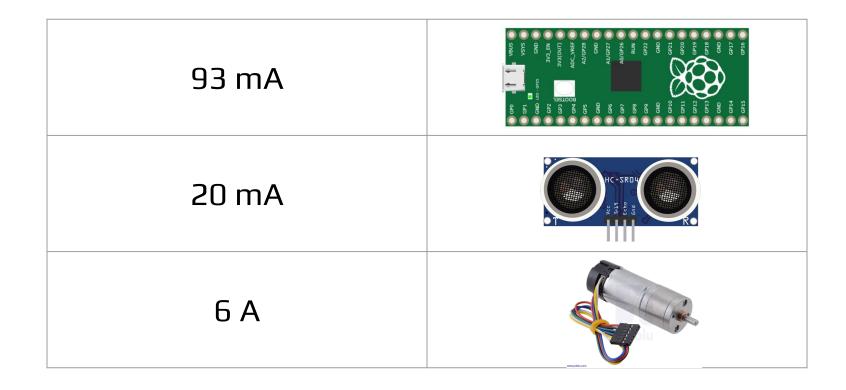
A Robot Needs (a) Heart(s)



Different Voltages

1.8 - 5.5 V	CHO CHO
5 V	HC-SRD4
~6 V	empelds an

Maximum Current Consumption



Batteries

Туре	Nominal Voltage	Max Current	Notes
AA / AAA	1.5 V	2 A	easy to buy, good for small robots, rechargeable versions has nominal voltage of 1.2 V per cell
9V Alkaline	9 V	3 A	easy to buy, classical source for Arduino Uno
Lithium-ion	3.7 V	5 A to 30 A	rechargeable, relatively safe, good for mid-scale robots
Lithium Polymer	3.7 V	5A to LARGE	rechargeable, fire/explosion hazard, powerful, good for speedy robots
Others Dichard RENATA (R2032)			

