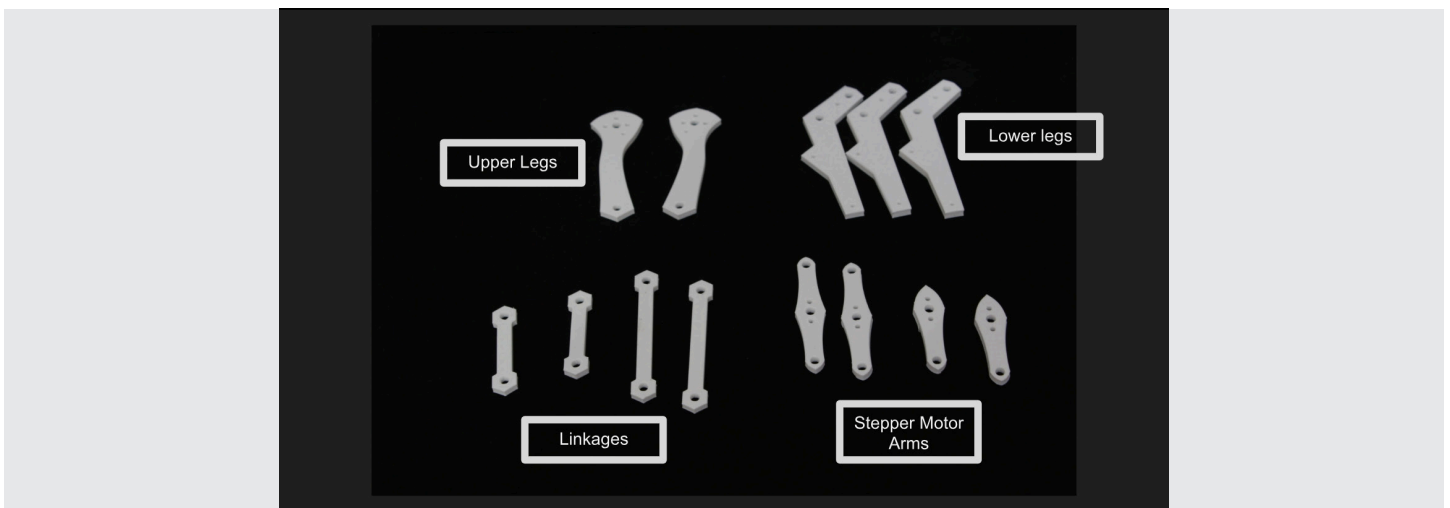


PROJECT NAME

Student Name + Student Name

Search and rescue missions often involves accessing to very difficult terrain. Wheeled vehicles, despite their numerous advantages, have very limited capabilities in traversing such terrain in most cases. For one, they often bog down in when crossing crevasses and require ramps in order to climb onto higher ground. To remedy such shortcomings, a legged robot is needed. My legged robot would possess the ability to overcome the disadvantages of wheeled vehicles. It uses of two motors with each one controlling either the upper or lower leg. By adjusting its leg movement in accordance to terrain, it would be able to walk on uneven surfaces, climb stairs, and jump. Through a dexterity similar to that of living creature, this legged robot can respond to any situation it may be presented with.

CONSTRUCTION DIAGRAM



FUNCTIONAL DIAGRAM

