



**Robot Name:** ARTEMIS (Advanced Robotic Technology for Enhanced Mobility and Improved Stability)

**Robot Height:** 1.5 m

**Robot Weight:** 45 kg

**Walking Speed:** 0.5 m/s untethered, 1.6 m/s tethered

**Degrees of Freedom:** 20 DoF (5 per leg, 4 per arm, 2 head)

**Cameras:** ZED 2 camera

**Sensors:** IMU - Microstrain 3DM-CV7-AHRS, Contact - Custom toe and heel load cells on each foot

**Computers:** HP Elite 800 Mini G9

**Materials:** Aluminum legs and body, Nylon 3D printed parts on arms, Carbon fiber arm links, and various PLA 3D printed parts

**Battery:** Custom 6S 99.99 Watt-hr LiPo

**Actuators:** Custom and commercial proprioceptive BEAR actuators