

AcYut V – Robot Specification

Teen size Humanoid Robot Soccer Team

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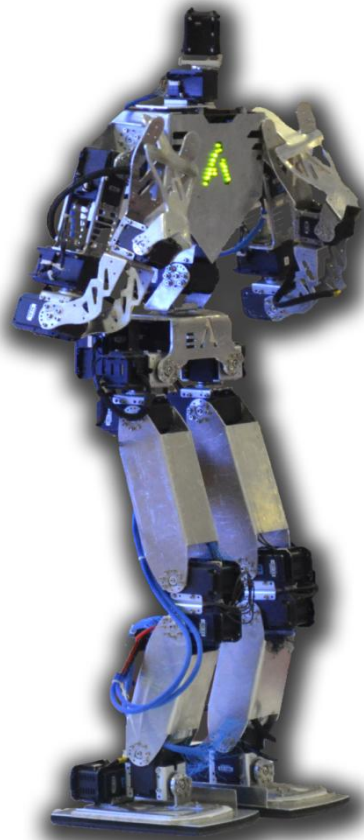
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Robot Specification

1. Robot name : AcYut V
2. Height : 1013 mm
3. Weight : 7.2 kgs
4. Walking Speed: 20 cm/s
5. DOFs : 28
6. Actuators :
 - i. Robotis EX – 106 + 106Kgcm @ 18.5V in Legs.
 - ii. Robotis RX – 64 64 Kgcm @ 18.5V Arms
 - iii. Robotis RX – 28 28Kgcm @18.5V in head
7. Sensors :
 - a. Camera: PointGrey Firefly MV (640x480 CMOS Color)
 - b. IMU: 9 DOF Razor IMU
8. Processor : Intel Atom D525 (1.8GHz)
9. Batteries : Lithium Polymer 18.5V
10. Other : Wireless LAN (IEEE802.11a/b/g)