

AcYut – Robot Specification

Teen size Humanoid Robot Soccer Team

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Robot Specification

1. Robot name : AcYut VII
2. Height : 99 cm
3. Weight : 7.4 kgs
4. Walking Speed: 15 cm/s
5. DOFs : 22
6. Actuators :
 - i. Robotis MX – 106 106Kgcm @ 14.5V in Legs.
 - ii. Robotis RX – 64 64 Kgcm @ 18.5V Arms
 - iii. Robotis RX – 28 28Kgcm @18.5V in head
7. Sensors :
 - a. Camera: iDS UI-1221LE-C-HQ (752x480 CMOS color)
 - b. IMU : 9 DOF Razor IMU
8. Processor : Intel NUC I3
9. Batteries : Lithium Polymer 18.5V
10. Other : Wireless LAN (IEEE802.11a/b/g)