

AcYut4 (Teen Size League)

Robot Specification

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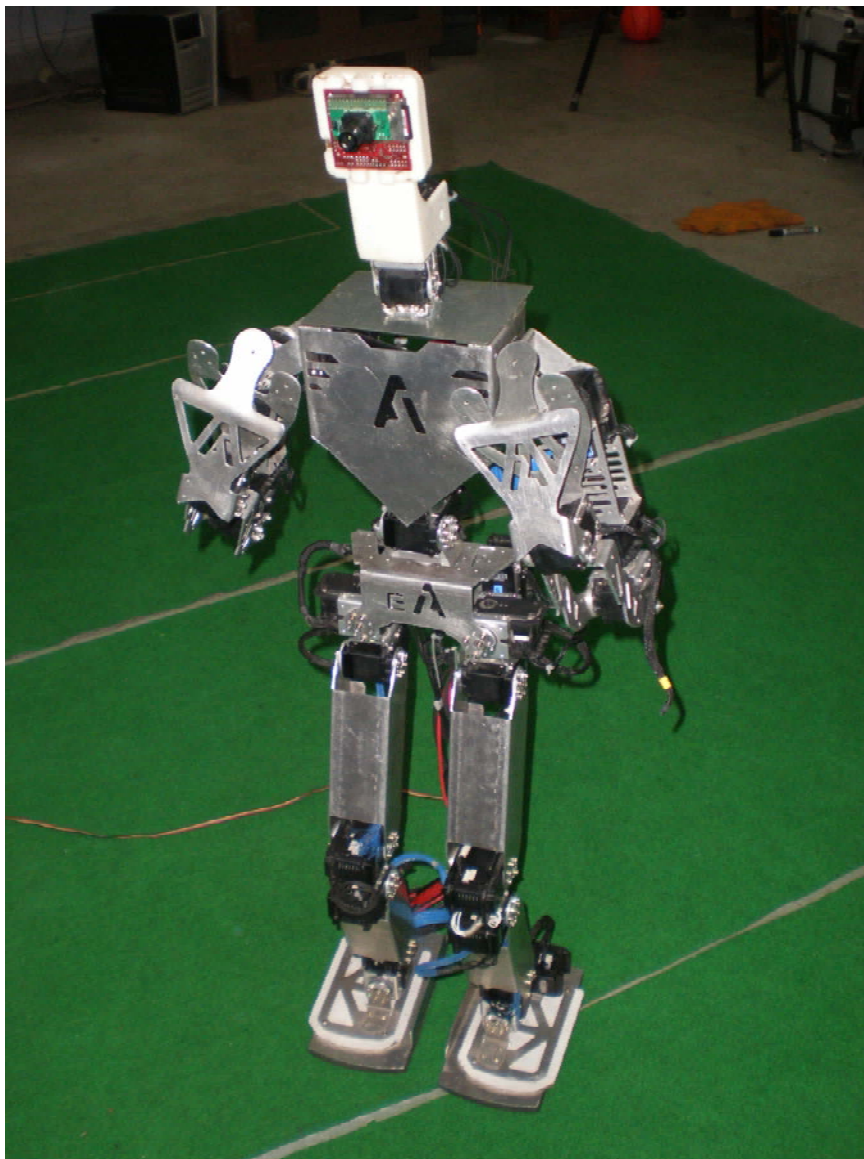
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<http://www.bits-pilani.ac.in>

<http://www.acyut.com>



Specifications

- **Robot name** - AcYut 4
- **Height of the robot** - 1013 mm
- **Weight of the robot** - 7.2 Kg
- **Walking speed** - 25cm/Sec
- **Number of degrees of freedom** - 28
- **Type of motors** –
 - Robotis EX -106 – 106Kgcm @ 18.5V in Legs
 - Robotis RX – 64 – 64 Kgcm @ 18.5V Arms
 - Robotis RX -28 – 28Kgcm @18.5V
- **Type of sensors used (incl. type of camera(s))**
 - CMUcam3 - CIF resolution (352x288) RGB color sensor
 - Gyro and Accelerometer Sensors
- **Computing unit(s)**
 - Master Controller – Gumstix Overo Fire (OMAP 3530)
 - Slave Controllers
 - LPC2106B - Image Processing
 - Atmega 328 – IMU Data Filtering
- **Other specs:** Wireless LAN (IEEE802.11a/b/g)