

Robot Specification Form  
Team Name: pUNAMoids

Robot 1:



Name:	HUGOL
Height:	45.5 cm
Weight:	3.0 Kg
Walking Speed:	24.0 cm/s
DoF	20 (6 DOF leg × 2 + 3 DOF arm × 2 + 2 DOF neck)
Type of motors	Dynamixel MX-28
Type of Sensors	3-axis gyro, 3-axis accelerometer, button × 3, microphone × 2, 2MP HD Logitech C905 Camera
Computing unit	1.6 GHz Intel Atom Z530 (32 bit) 16GB in microSD card
Other specs:	
SubController:	ARM CortexM3 STM32F103RE 72 MHz

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Robot 2:



Name:	PUNAM
Height:	45.5 cm
Weight:	3.0 Kg
Walking Speed:	24.0 cm/s
DoF	20 (6 DOF leg × 2 + 3 DOF arm × 2 + 2 DOF neck)
Type of motors	Dynamixel MX-28
Type of Sensors	3-axis gyro, 3-axis accelerometer, button × 3, microphone × 2, 2MP HD Logitech C905 Camera
Computing unit	1.6 GHz Intel Atom Z530 (32 bit) 16GB in microSD card
Other specs:	
SubController:	ARM CortexM3 STM32F103RE 72 MHz

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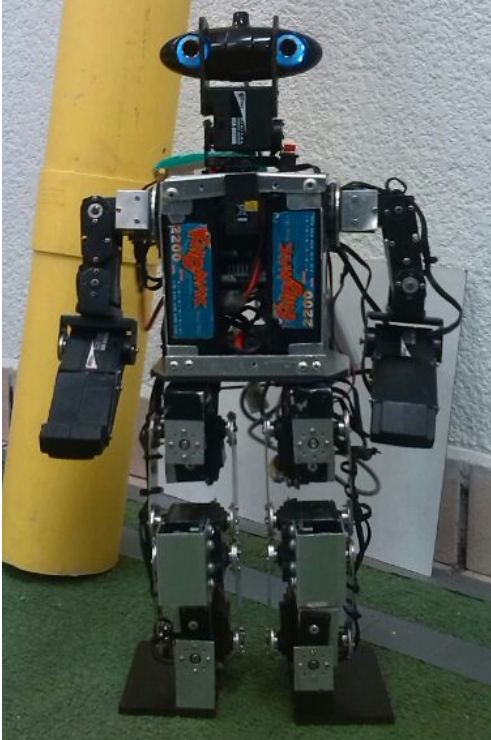
Robot 3:



Name:	PACO
Height:	45.5 cm
Weight:	3.0 Kg
Walking Speed:	24.0 cm/s
DoF	20 (6 DOF leg $\times$ 2 + 3 DOF arm $\times$ 2 + 2 DOF neck)
Type of motors	Dynamixel MX-28
Type of Sensors	3-axis gyro, 3-axis accelerometer, button $\times$ 3, microphone $\times$ 2, 2MP HD Logitech C905 Camera
Computing unit	1.6 GHz Intel Atom Z530 (32 bit) 16GB in microSD card
Other specs:	
SubController:	ARM CortexM3 STM32F103RE 72 MHz

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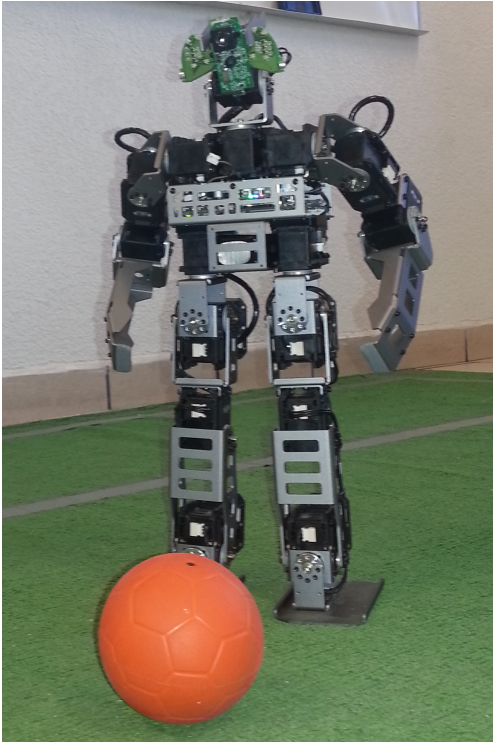
Robot 4:



Name:	ULLAMA
Height:	47 cm
Weight:	3.1 Kg
Walking Speed:	20 cm/s
DoF	24 (7 DOF leg × 2 + 4 DOF arm × 2 + 2 DOF neck)
Type of motors	Hightec: HSR-5498SG × 8 HSR-8498HB × 2 HSR-5990TG × 14
Type of Sensors	3-axis gyro, 3-axis accelerometer, 1-axis Magnetometer x1, button × 5, microphone x1, Minoru 3D VGA Camera
Computing unit	Roboard RB 110: -Vortex86DX (32bits x86) -256MB DDR2 -16GB in Micro SD card
Other specs:	Mini PCI VGA card VT6655 WLAN card
SubController:	servo controller SSC-32: -Atmel ATMEGA168-20PU -EEPROM 24LC32P

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Robot 5:



Name:	MARGARITO
Height:	45.5 cm
Weight:	3.0 Kg
Walking Speed:	24.0 cm/s
DoF	20 (6 DOF leg × 2 + 3 DOF arm × 2 + 2 DOF neck)
Type of motors	8 × Dynamixel MX-28T 12 × Dynamixel RX-28R
Type of Sensors	3-axis gyro, 3-axis accelerometer, button × 3, microphone × 2, 2MP HD Logitech C905 Camera
Computing unit	1.6 GHz Intel Atom Z530 (32 bit) 16GB in microSD card
Other specs:	
SubController:	ARM CortexM3 STM32F103RE 72 MHz