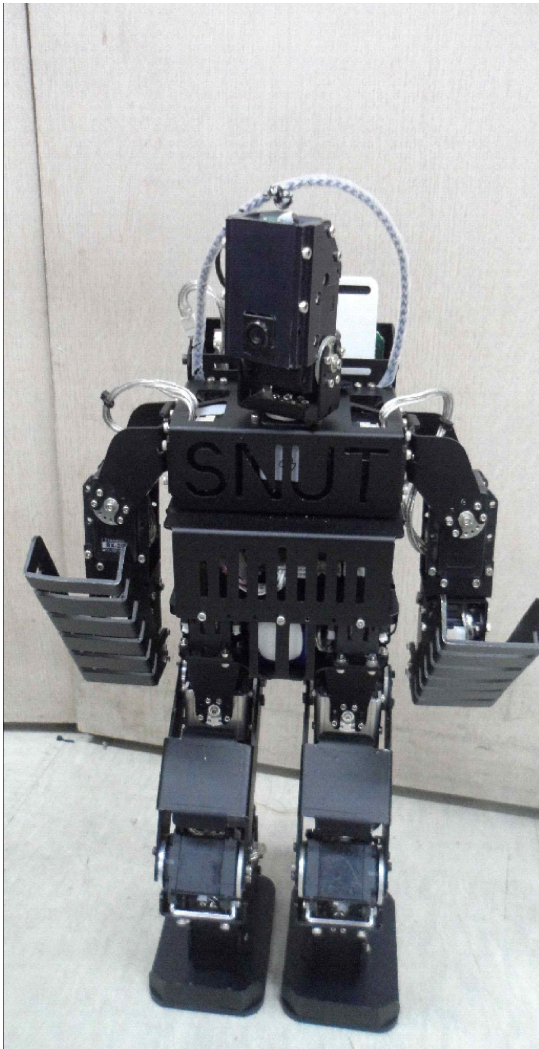


# TEAM\_RND

## Specifications

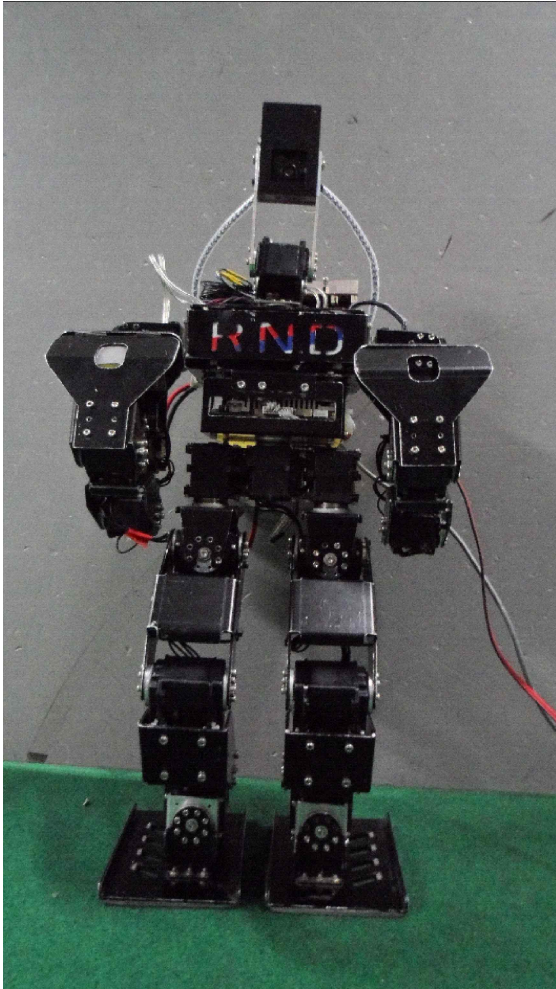


	Detail
Robot name	RND_Spirits
Height	51.5cm
Weight	3.8kg
Walking Speed	21.0cm/sec
Degree of Freedom	20DOF (6 DOF each leg + 3DOF each arm + 2DOF neck)
Type of Motors	Dynamixel RX-28 Dynamixel RX-64
Sensors	Logitech C905(Camera) 1-Axis Tilt Sensors 3-Axis Rate Gyro Sensors
Computing Unit	Main Controller : SROBOT (CPU :TMS320F2811)  Sub Controller : Advantech PCM-3363D (Intel Atom™ N455/D525 PCI-104 SBC, VGA, LVDS, Ethernet, USB, COM, SATA, Onboard Memory)
Battery	14.8V Li-po 2200mA

## RND-Spirit picture

**Summary :** There is no grip in the RND-spirits. but RND-spirits has small size and faster-movement. So we are going to give him a role as forward and defender robot in the Robotcup of 2014

## Specifications



	Detail
Robot name	RND_Ultra
Height	56.5cm
Weight	4.9kg
Walking Speed	24.0cm/sec
Degree of Freedom	25DOF (6 DOF each leg + 5 DOF each arm + 1 DOF torso + 2 DOF Neck)
Type of Motors	Dynamixel RX-28 Dynamixel RX-64 Dynamixel EX-106+
Sensors	Logitech C905(Camera) 1-Axis Tilt Sensors 3-Axis Rate Gyro Sensors
Computing Unit	<b>Main Controller : SROBOT</b> (CPU :TMS320F2811)  <b>Sub Controller :</b> Advantech PCM-3363D (Intel Atom™ N455/D525 PCI-104 SBC, VGA, LVDS, Ethernet, USB, COM, SATA, Onboard Memory)
Battery	7.4V Li-po 2500mA * 3(ea)

RND-Ultra picture

**Summary:** RND-ultra has longer arm and leg than RND-spirit. and it's designed for goalkeeper suitable. it's possible to throw the ball effectively with grip on the both side hands.