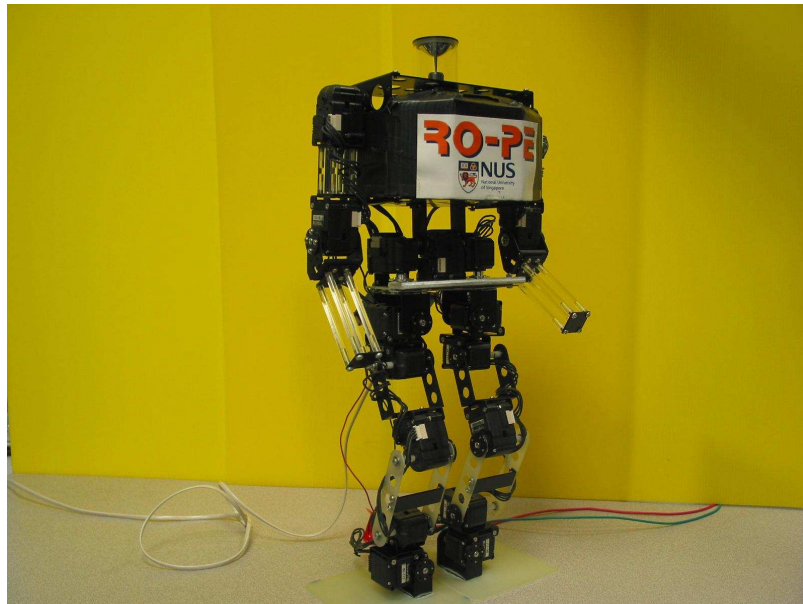


# Technical Questionnaire for RO-PE-V of Team RO-PE A

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o Image of robot:



o Name of robot (or robot type) : RO-PE-V

o Height : 53cm

o Weight : 2.9kg

o Walking/running speed : 2 m/min

2

o Number of degrees of freedom (DOF) : 17

o Actuators used:

Robotis DX-117  
Holding Torque: 28.0kg\*cm at 12.0 Volt  
Speed: 0.167Sec / 60 at 12.0 Volt

o Sensors used:

Vstone Co. Omni-Directional Vision System VS-C14N  
camera resolution: 250,000 pixels  
frame rate: 16.7 frames per second

Devantech Ltd. CMPS03 Digital Compass  
Resolution: 0.1deg  
Accuracy: 3-4deg

Silicon Sensing Systems, CRS03-02  
Rate range: +/- 100deg/sec

o Processor:

Kontron MOPSlcd7  
Mobile Intel Pentium III CPU  
Speed: 700MHz