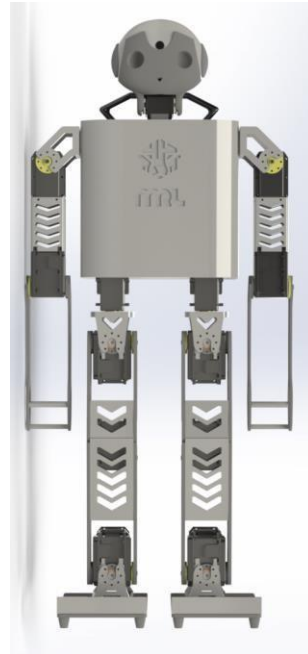




**MRL-HSL**

## **MRL Humanoid Kid Size Robots Specification 2024**



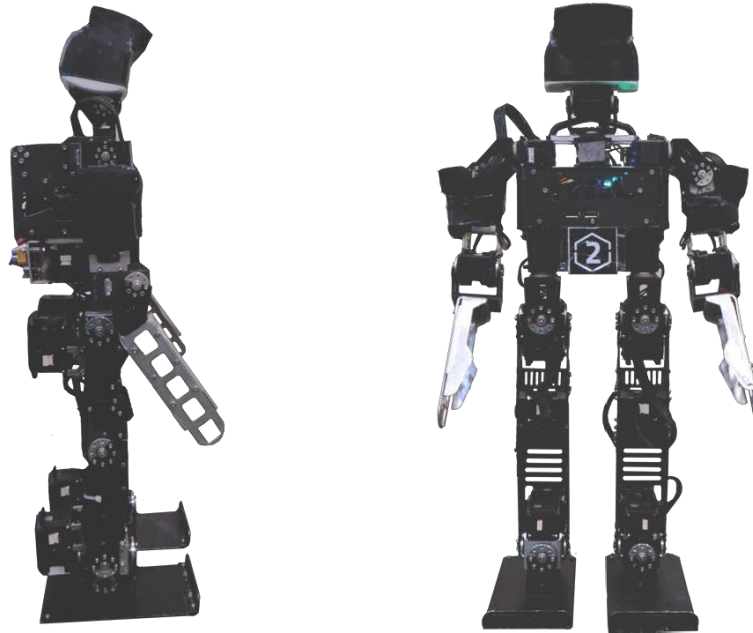
Specification of Kian Robot.

<b>Height</b>	73 CM
<b>Weight</b>	6 KG
<b>Walking Speed</b>	26 CM/S
<b>Degrees Of Freedom</b>	20 In Total
<b>Servo Motors</b>	12 Dynamixel MX-106 (6 per leg) 8 Dynamixel MX-64 (3 per arm, 2 in head)
<b>Sensors</b>	MPU9250 (Accelerometer/Gyroscope) PS3 - Eye Camera
<b>Embedded PC Board</b>	<b>Sub Controller:</b> Self-constructed controller <b>Main Controller:</b> Intel NUC 6i3SYH
<b>Battery</b>	Li-Po-3Cell-3500mAh



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## MRL Humanoid Kid Size Robots Specification 2024



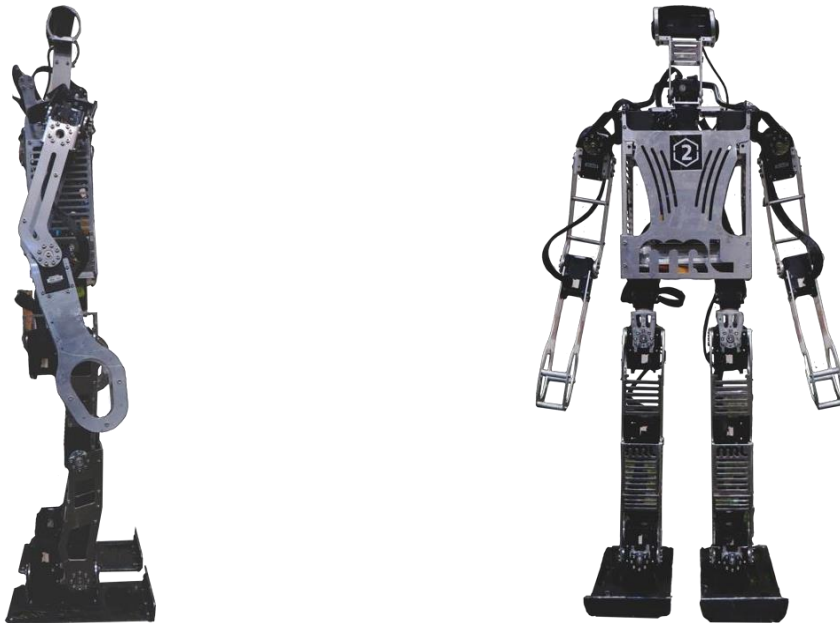
Specification of Ashkan Robot.

<b>Height</b>	58 CM
<b>Weight</b>	4.4 KG
<b>Walking Speed</b>	28 CM/S
<b>Degrees Of Freedom</b>	20 In Total
<b>Servo Motors</b>	12 Dynamixel MX-64 (6 per leg) 8 Dynamixel MX-28 (3 per arm, 2 in head)
<b>Sensors</b>	MPU9250 (Accelerometer/Gyroscope) PS3 - Eye Camera
<b>Embedded PC Board</b>	<b>Sub Controller:</b> Self-constructed controller <b>Main Controller:</b> Intel NUC 6i3SYH
<b>Battery</b>	Li-Po-3Cell-3500mAh



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## MRL Humanoid Kid Size Robots Specification 2024



Specification of Amir Robot.

<b>Height</b>	83 CM
<b>Weight</b>	6.6 KG
<b>Walking Speed</b>	26 CM/S
<b>Degrees Of Freedom</b>	20 In Total
<b>Servo Motors</b>	12 Dynamixel MX-106 (6 per leg) 6 Dynamixel MX-64 (3 per arm) 2 Dynamixel MX-28 (1 in neck, 1 in head)
<b>Sensors</b>	MPU9250 (Accelerometer/Gyroscope) PS3 - Eye Camera
<b>Embedded PC Board</b>	<b>Sub Controller:</b> Self-constructed controller <b>Main Controller:</b> Intel NUC 6i3SYH
<b>Battery</b>	Li-Po-3Cell-5300mAh