

# Baset Adult-Size 2015 Team Specification Paper

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**Robot Name: *Baset Adult-Size***



**Specification:**

|                           |   |  |
|---------------------------|---|--|
| <b>Height</b>             | 150 Cm  |  |
| <b>Weight</b>             | ~14 Kg  |  |
| <b>Walking Speed</b>      | 30 Cm/Second  |  |
| <b>Degrees of Freedom</b> | 20 in total:<br>6 in arms<br>2 in neck<br>6 in each leg |  |
| <b>Type of Motors</b>     | Mx-106<br>Mx-64<br>Mx-28                                |  |
| <b>Sensors</b>            | HMC5843 3D Compass<br>IDG650 2D Gyroscope               |  |
| <b>Camera</b>             | ISZ650 Z Gyroscope<br>Logitech C905 wide                |  |
| <b>Resolution</b>         | 640*480 pixels  |  |
| <b>Computing Unit</b>     | Max-data QutePc3020<br>1.6 GHz Intel Atom               |  |
| <b>Accelerometer</b>      | 1 Gb DDR2 memory<br>ADXL345 3D Accelerometer            |  |
| <b>Wi-Fi Module</b>       | H-WiFi module bases on<br>HED's AirQuickTM              |  |
| <b>Battery</b>            | 14.8V, Li-Po 5000mAh                                    |  |