

Student Project - S10

Title **Self-Balancing Biped Walking Robot**

Abstract

A self-balancing two-legged machine that can correct its centre of gravity during walking. The robot contains a 2D balancing sensor, and uses a special control algorithm to control and correct its overall centre of gravity. The special mechanism for balancing enables the robot to keep upright, and not to fall over - just like the balancing mechanism of a human being.

