A project proposal for a self-balancing robot using stepper motors, Gyroscope Accelerometer, a Bluetooth module and Arduino Nano.
Original Project by Joop Brokking
https://www.youtube.com/watch?v=6WWqo-Yr8lA
https://www.youtube.com/watch?v=VxpMWncBKZc

Other examples of self-balancing robot using stepper motor and Arduino Nano by "My Tech Studio"
https://www.youtube.com/watch?v=la3tgja3RZ0 by "My Tech Studio"
https://www.youtube.com/watch?v=aUbBUd-hBLI
https://electricdiylab.com/diy-self-balancing-robot
HC-05 RF Wireless Bluetooth Transceiver Slave Module RS232 / TTL to UART converter and adapter for Arduino
https://www.aliexpress.com/item/32501958088.html $3
MPU6050 Module 6-Axis Gyroscope Accelerometer Arduino
IIC I2C SPI MPU-6500 6-Axis Gyroscope Accelerometer Sensor $3.52
https://www.ebay.com.au/itm/225072567797
https://cdn.sparkfun.com/datasheets/Sensors/Accelerometers/RM-MPU-6000A.pdf
ATmega328P MINI USB Nano V3.0 CH340G 5V 16M Micro-controller board for Arduino
https://www.ebay.com.au/itm/283932008665 $4.80
5PCS A4988 Stepper Motor Driver Modules for CNC Rep-rap 3D Printer
https://www.ebay.com.au/itm/225003463072 $8.79
DIY 3D Printer Stepper Motor Axis Drive Motor for Ender3 S Pro CR10 42/40 42/34
https://www.ebay.com.au/itm/314421527392 $22 or $29 for larger