Physical

Laser range data –

Kit-

TOF10120 (<https://uk.banggood.com/TOF10120-Laser-Range-Sensor-Module-10-180cm-Distance-Sensor-RS232-Interface-UART-I2C-IIC-Output-3-5V-p-1566456.html?utm_source=googleshopping&utm_medium=cpc_organic&gmcCountry=GB&utm_content=minha&utm_campaign=minha-gbg-en-pc&currency=GBP&cur_warehouse=CN&createTmp=1>)

Vl53L0X (Longer range) (<https://thepihut.com/products/adafruit-vl53l0x-time-of-flight-distance-sensor-30-to-1000mm?variant=31955905937&currency=GBP&utm_medium=product_sync&utm_source=google&utm_content=sag_organic&utm_campaign=sag_organic&gclid=CjwKCAiAxJSPBhAoEiwAeO_fP_wh39U48U_hLOp5VxW3mXSu4NbNasfjCugzjj6tEf4-i3iZO_Cc5hoCzDYQAvD_BwE>)

VL6180X (Shorter range) (<https://www.sparkfun.com/products/12785>)

Methodology-

Arduino Lidar Scanning & Java Rendering (<https://create.arduino.cc/projecthub/TravisLedo/arduino-lidar-scanning-java-rendering-6b2124>)

Odometry –

Kit –

9-Axis Inertial Navigation Module for Arduino (<https://vetco.net/products/9-axis-inertial-navigation-module-for-arduino-d65>)