

DATASET FILE FOR THE AUTONOMOUS VEHICLES AND ROBOTICS

sensor_data_log.csv

Timestamp,Left_IR,Right_IR,Distance_cm,Action

2025-05-16 10:00:00,0,0,30,Forward

2025-05-16 10:00:01,0,1,28,Turn Left

2025-05-16 10:00:02,1,0,25,Turn Right

2025-05-16 10:00:03,0,0,12,Stop and Turn Right

2025-05-16 10:00:04,0,0,35,Forward

This file logs:

IR sensor values (0 = black line detected)

Ultrasonic distance

Action taken (for debugging or training logic-based models)