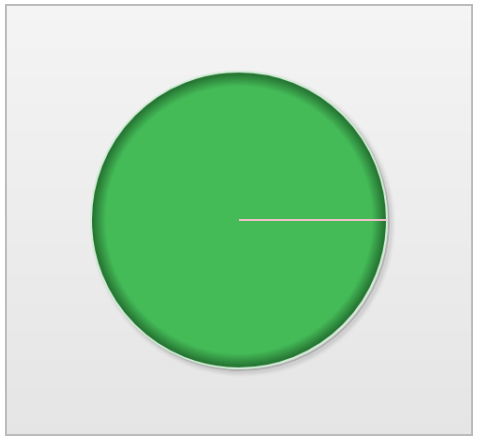
Runs (Summary) 5/10/2025

Project: Autonomous Driving Car

By Humayra Rashid, 5/10/2025 10:21 PM

Run: Test Run 5/10/2025, Snapshot 2



6 Passed

100% set to Passed

0 Blocked

0% set to Blocked

0 Retest

0% set to Retest

0 Failed

0% set to Failed

100%
passed

0 / 6 untested (0%).

This section focuses on validating the hardware setup and real-world testing procedures for the autonomous vehicle prototype. It includes test cases related to sensor mounting, motor response, camera alignment, and real-time data collection during trial runs.

The goal is to ensure the prototype vehicle can accurately capture environmental input and respond with correct motor commands under controlled conditions. Tests in this section will confirm whether physical components are properly communicating with the software modules and if the system behaves as expected in environments with no clear lane markings.

Focus Areas:

Camera and sensor calibration

GPIO pin communication

Motor response to control signals

Physical safety shutoff

Consistent power delivery and component stability

Created On	5/10/2025
Completed	No

Activity

5/5/2025 – 5/10/2025:

6 Passed

55% set to Passed

1 Blocked

9% set to Blocked

3 Retest

27% set to Retest

1 Failed

9% set to Failed

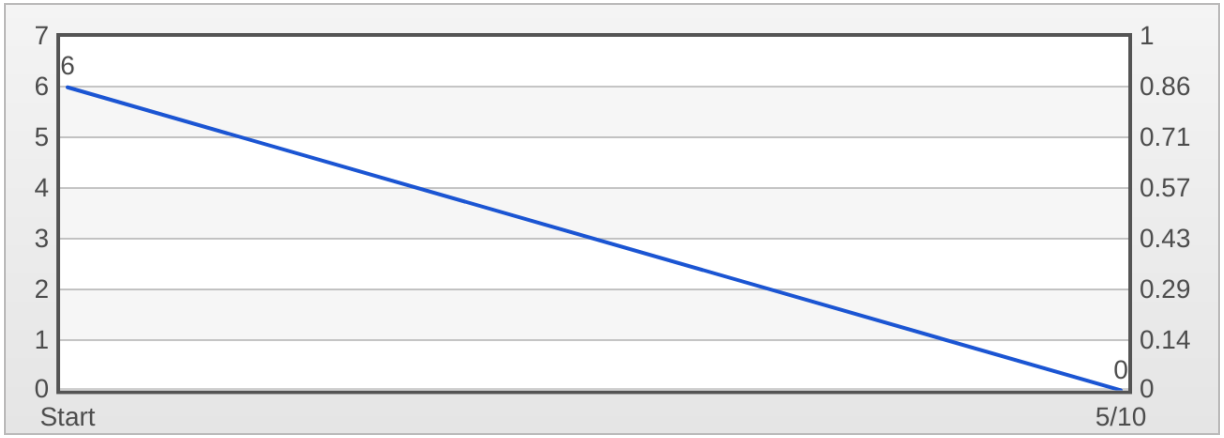
Saturday, May 10, 2025

Passed	Recovery from temporary sensor failure	Tested by Henry X.
Blocked	Recovery from temporary sensor failure	Marked by Henry X.
Assigned	Recovery from temporary sensor failure	Assigned to Henry X.
Assigned	System Integration Test in Lane-less Environment	Assigned to Daniel G.
Passed	System Integration Test in Lane-less Environment	Tested by Henry X.
Retest	System Integration Test in Lane-less Environment	Marked by Henry X.

Passed	Real-Time Data Processing Pipeline (PM → RM → MM)	Tested by Henry X.
Retest	Real-Time Data Processing Pipeline (PM → RM → MM)	Marked by Henry X.
Assigned	Real-Time Data Processing Pipeline (PM → RM → MM)	Assigned to Rodrigo V.
Passed	Motor Response to Control Signals (Motor Module - MM)	Tested by Henry X.
Failed	Motor Response to Control Signals (Motor Module - MM)	Tested by Henry X.
Assigned	Motor Response to Control Signals (Motor Module - MM)	Assigned to Humayra R.
Passed	GPIO Pin Communication (Controller Module - CM)	Tested by Henry X.
Assigned	GPIO Pin Communication (Controller Module - CM)	Assigned to Henry X.
Passed	Camera and Sensor Calibration (Sensor Module - SM)	Tested by Henry X.
Retest	Camera and Sensor Calibration (Sensor Module - SM)	Marked by Henry X.
Assigned	Camera and Sensor Calibration (Sensor Module - SM)	Assigned to Daniel G.
Untested	Recovery from temporary sensor failure	
Untested	System Integration Test in Lane-less Environment	
Untested	Real-Time Data Processing Pipeline (PM → RM → MM)	
Untested	Motor Response to Control Signals (Motor Module - MM)	
Untested	GPIO Pin Communication (Controller Module - CM)	

Untested Camera and Sensor Calibration (Sensor Module - SM)

Progress



Since 5/10/2025:

Remaining Tests

100% of tests completed.

Remaining Effort

Forecast not available.

Ideal Progress

Forecast not available.

Forecasts & Estimates

Based on the current activity and forecasts, the projected completion date for the test run(s) is:

Unknown

Forecast not possible

The test run(s) were started **21 hours ago** (5/10/2025).

Completed:100%(6/6)
Elapsed:0h 0m
Tests / day: 6
Hours / day:n/a

Metric	By Estimate	By Forecast
Completed	0h 0m	n/a
To-do	0h 0m	n/a
Total	0h 0m	n/a

Tests & Results

Snapshot 2 (6)

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ID	Title	Status
T39	Camera and Sensor Calibration (Sensor Module - SM)	Passed
T40	GPIO Pin Communication (Controller Module - CM)	Passed
T41	Motor Response to Control Signals (Motor Module - MM)	Passed

T42	Real-Time Data Processing Pipeline (PM → RM → MM)	Passed
T43	System Integration Test in Lane-less Environment	Passed
T44	Recovery from temporary sensor failure	Passed