

Wrapping Up

In this tutorial, you implemented a **line follower robot using FPGA in ChipInventor**, with simple blocks like demux2 to control the outputs. We went through the entire process, from **creating the project, simulating, synthesizing, programming the FPGA, and practical hardware validation**.

This project can be improved by adding:

- Speed control using PWM signals.
- More advanced trajectory correction algorithms.
- Integration with additional sensors for obstacle avoidance or more complex line paths.

Revision #1

Created 17 March 2025 12:33:10 by Caroline

Updated 17 March 2025 12:33:39 by Caroline