CS491 – Autonomous Vehicle Design

Engineering Notes No. 7.1

INFORMATION

NAME: Davian Rosario-Ortiz

DATE: 01/07/25 - 01/13/25

Sprint: 7

JIRA BACKLOG

Responsible for:

- Assist with localization and mission planning with the use of Python tutorials
- Work on the cultural section of SRS document
- Engineering notes (note taker)

Contributed to:

- Review and update documentation outside of class
- Coordinate with Akbas/Clay to review project deliverables

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RESOURCES & DOCUMENTS CONTRIBUTED TO

Table 1 - Contributions

Date	Resource/Document	Location	Contribution Description
01/09/2025	SRS Document	One drive	Drafted cultural section
01/12/2025	Engineering Notes	One Drive	Created and updated notes for Sprint 7

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COMPONENTS TESTED

Table 2 - Testing

Date Tested	Component	Result	Comments
01/09/2025	PolyVerif	Unstable	Identified necessary fixes for stability.
01/13/2025	Localization in Python	Partially Working	Adjusting parameters for improved accuracy.

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PROBLEMS SOLVED

Table 3 - Solutions

Date	Problem	Solution & Notes
01/09/2025	Access to MicaPlex / MP 224	Verified continued access for project use.
01/09/2025	Engineering Notes Format	Adopted updated template for better documentation.
01/12/2025	PolyVerif Stability Issues	Identified root causes and outlines fixes.

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PROBLEMS TO ADDRESS NEXT

Table 4 – Future Problems

Problem	Description
PolyVerif Fixes	Implement fixes to improve stability and reliability.
Finalizing Deliverables	Determine the exact scope and output of the project.
Python Test Case Implementation	Complete and validate test cases in PolyVerif.

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MEETING NARRATIVE NOTES:

Table 5 – Meeting 1

01/07/2025	Meeting Type: In-Class (IC 101)
Met with Product Owner(s): Y	
Problems Brought Up:	

Problem	Proposed Solution
Project deliverables and access	Verified locations and schedule.
PolyVerif Potential Issues	Began Investigation.
Sprint backlog organization	Added necessary tasks and assignments.
Engineering Notes Consistency	Adopted updated structure.
Other Items Updated on:	
Updated engineering notes format.	
Additional Notes:	

NOTES:

- Focus on PolyVerif integration and stability improvements
- Ensure documentation is aligned with final deliverable decisions
- Continue refining localization and mission planning efforts.