

Project Deliverables

Technical Memo	Wednesday, September 29
Draft Design Report	Friday, October 15
Scheduling Exercise I	Friday, November 5
Simulation Solution	Wednesday, November 10
Robot Demos and Races	Thursday, November 11
Design Report	Monday, November 15
Scheduling Exercise II	Thursday, November 18

Design Report

- Submit one report per **sub-team**
- Follow the SE work-term report guidelines
<http://www.softeng.uwaterloo.ca/Current>
- Plan to write a report that is **15-20 pages** long, including front and back matter and not including appendices.

Design Report

- **Cover**
- **Title page**
- **Letter of Submittal**
- **Contributions** (1/2 to 1 page) - Describe the LegoTracker robot project (i.e., the context of your subteam's project), and your subteam's contributions to this project
- **Executive Summary (1 page)** - Summary of results, conclusions, recommendations
- **Table of Contents, List of Figures, List of Tables**

Design Report

- **Introduction** (1 page):
 - Intended readership
 - Purpose of the report
 - Summary of tasks reported on
 - Organization of rest of report
 - Background material that the reader needs to know to understand rest of report.

Design Report

- **Main Body - Engineering Decisions** (5-8 pages)

Synthesis Report

- Problem = some need to be met
- Solution = product, design decisions
- Justification = that product, design decisions, satisfy need

Analysis Report

- Problem = to decide between alternatives
- Solution = decision
- Justification = (quantitative) comparison

Design Report

- **Conclusions** - Summary of results presented in report (no new results)
- **Recommendations** - Recommendations for how to address issues raised in report and conclusion
- **References** - List at least three documents, books, web-pages that you referred to when working on the project

Design Report

Write a document that you would want to read:

- Document only **your subteam's** project; the report should be focussed.
- Document only **major** design alternatives and decisions.
- Document **rationale** for all major decision decisions.
- Include as an appendix your final implementation (or reasons why there is no working implementation).

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Design Report Marking

We will be marking reports as carefully as we mark work-term reports.

- Adhere strictly to the work-report **structure** and **checklist**.
- Check your spelling and grammar.
- Check that your writing is professional, clear, and focussed.
- Check that you've documented all major design alternatives, decisions, and rationale.

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