

Design Report 2 First Submission Instructions

Please submit the first submission of the second design report in one [clean, white 1" three ring binder with round rings \(not D-shaped\) and a clear cover](#) in which the updated cover page is placed. D.R.1 should be graded and returned in time to reuse the same binder. Begin each report section on a new page. Use [page lifters](#) at the front and rear of the binder and [page dividers](#) with computer-generated labels to organize each report section for the grader. Glue page divider labels in place. Do not use [page protectors](#). Hole punch consistently when assembling the report and do not staple pages.

ORDER REPORT SECTIONS IN THE FOLLOWING SEQUENCE:

1. **New Cover Page** (with updated report number and date)
2. **D.R.1 Grade Sheet** (original copy completed by TA or instructor)
3. **D.R.1** (complete and untouched from original submission, including page dividers)
4. **Selection of Design Concept** (for first two decision matrices)
 - a. [Concept Selection Checklist](#) **accurately** completed by team (as it pertains to the first two matrices)
 - b. decision matrices (printed in landscape orientation with punched holes at top of page)
 - c. objective definitions, weighting factor justifications, and detailed magnitude and score assignment explanations
 - d. decision matrix calculations and assessment data organized in tabular format with a table of contents in Appendix A
5. **Selection of Design Concept** (for remaining decision matrices)
 - a. objective definitions and weighting factor justifications
6. **Appendix A: Decision Matrix Calculations & Justification Data** (including table of contents)
7. **Appendix B: Robot Path Illustration, Speed & Time Calculations**
8. **Appendix C: Wheel and Lifting Motor Torque Calculations**
9. **Appendix I: Meeting Minutes** (all members' completed meeting minutes)

Refer to [Appendices section](#) of DRT for details about the report appendices.