

Risk Reduction Worksheet

Section

Team Number:

Student Names:

This worksheet is meant to summarize the risk reduction effort and the process of converging onto a final design concept. Hand this in before your risk reduction presentation during section.

Concepts Considered

How many robot design concepts were evaluated during risk reduction? _____

Concept Name: _____

Circle One: Described in Pugh Chart / New Concept

Concept Name: _____

Circle One: Described in Pugh Chart / New Concept

Concept Name: _____

Circle One: Described in Pugh Chart / New Concept

Risk Reduction Write-up

Write-up on a separate sheet for each risk reduction test (1-2 pages) performed the following:

Objective of Risk Reduction

For each concept what were the high risk issues being addressed?

For each risk reduction test, what was the specific question the team was trying to answer?

Methods Used

Describe what types of tests were done. Indicate what materials were used, and show figures of test hardware.

Describe in what ways risk reduction hardware accurately modeled final robot performance, and where differences could be.

Results of Tests

List what worked and what didn't. Describe what was learned

Risk Reduction Summary

Was a final decision made regarding which overall robot design the team will pursue (Yes/No)? _____

If no, then specify date for when team has committed to make this decision: _____

Remaining High Risk and Medium Risk Issues

List remaining concerns that need to be addressed by secondary risk reduction efforts.