

1. Team Vision
2. Functional Decomposition
3. Benchmarking
 - a. Specifications
 - b. Relation to Customer Requirements
4. Concept Development
 - a. Motor Requirements
 - b. Motor Selection
5. Bill of Materials
6. Feasibility: Prototyping, Analysis, Simulation
 - a. Test Plan
 - b. Sensor Test Rig
7. Morphological Chart
 - a. General Applications
 - b. Specific Design Components
8. Concept Selection
 - a. Tooth Design
 - b. Shape Selection
 - c. Controller
 - d. Wheel Hub Assembly
9. System Architecture
 - a. Design and Flowcharts
 - i. Electrical Block Diagram
 - ii. Transmission Block Diagram
 - iii. Control Flow
 - iv. Mechanical Block Diagram
10. Risk Assessment
 - a. Top Risks
 - b. Solutions
11. Plans for next phase