YOUR PROJECT
Project Advisor, from Industry

Engineering Principles
Developing a Statement of Work

Product Planning (Chpt 3)
What’s in a Statement of Work?

Go to the course website >assignments>statement of work

Statement of Work

Background
Scope
Tasks
Deliverables

Document **Audience**: Adviser and design team.
Document **Purpose**: Explains the *what*, *why* and *how* of a project, before it starts
Many riders who are injured in motorcycle-related accidents have a desire to return to riding motorcycles. The primary objective of this project is to design and modify a motorcycle to be usable by one such paraplegic rider. Paraplegic riders require a stabilization mechanism for low-speed and stopped conditions, as well as some modified controls. This project will offer one solution that will be applicable to more than one motorcycle design or model. The functional prototype will be used by the customer this summer for a cross-country road trip.
Scope

The team will design, prototype, test, and build a stabilization mechanism for use on a donated 1986 Suzuki GSX-R 750. After developing this mechanism, the team will install it along with a commercially available hand-operated shifter and associated user interface.

✓ Describes what will and won't be done on the project.

Does not refer to specific tasks or deliverables.
Tasks

The tasks of the modification include:

1. A stabilization mechanism for use at low speed or during stopped conditions. The team will research current designs, develop and select a concept, then model it in 3D and analyze the performance using finite element analysis before building and testing final prototype;

2. Xxx

3. Xxx

4. Aesthetically pleasing design that is virtually inconspicuous when not in use, to be verified by customer feedback.

Choose 4 -5 tasks. Describe the approach to completing the tasks.
Deliverables

A completely retrofitted and functional motorcycle is the primary deliverable for the Senior Design Show on May 5, 2009. This includes the donated motorcycle with the functional stabilization, shifting, and user interface, in addition to proper documentation of the systems designed and integrated.

- Project deliverables to the advisor
- If documents, include title, contents and purpose
- If apparatus, include purpose, capabilities

Artist rendering can be useful