New Product Development Phase 1: Defining the Product

Onsite or Virtual – 1 Day, 8 hours/Day – 3-6 Participants

Training Description:

In this 1-day training, participants will learn the critical methodologies and best practices for how to design and develop hardware products. Specifically, this training is centered on defining the product. Throughout the training, participants will learn about the different requirements documents and their goals, such as Customer Requirements Documents (CRD) and Product Requirements Document (PRD). Participants will receive instruction on how to write well-defined documents and learn which functional disciplines should contribute to each one. Participants will learn these topics either on site or virtually through lectures and assignments with the intent to resolve gaps in their current or future products or supplied fictional examples. Taking this course will give the employees the tools to execute on new product development like a seasoned pro! The ideal audience for this course is engineers and managers.

Training Objective:

The objective of this training is to give participants the tools to efficiently develop new hardware products. These tools will allow them to prevent problems before they arise and to attack problems quickly if they do emerge. The exercises will allow them to examine their current work and get topical advice and tips in a supportive atmosphere. Participants will also get various templates that they may use in the future.

Skill Attainment:

As a result of this training participants should be able to complete the following:

- Product Requirements Document (PRD) and other requirements documents

Training Agenda:

- **Defining the product**
    - How to write requirements: subjective v. objective, Keep it Simple (KISS)
    - How are requirements divided between documents and how one document can drive another
    - Review a typical Customer Requirements Documents (CRD)
    - Review a typical Product Requirements Document (PRD)
    - Exercise: write a PRD for their product or a fictional product
    - Review pitfalls and common mistakes