**Example Team Projects**

Below are some examples of acceptable class/team projects.

1. Review, discuss, create presentation and deliver to class in 12 to 15 minutes a summary review of any of the essays in the Frank Brooks book, The Mythical Man-Month. (15 opportunities)
2. Research, review, summarize, and deliver briefing to class in a 12- to 15-minute format on any public project failure, success. Identify and describe the project, its mission/intended use, and describe the nature of the failure/success and project management difficulties. Source information for these projects can usually be found on the internet; choose projects with ample information/reports for your study.
3. Conduct a review and provide a ‘how-to’ demonstration for any of the following:
4. Software Project Management tool – provide an overview of the tool, what it is for, and demonstrate its use to the class (ex., Earned Value, Risk Management, Metrics (SPI, CPI, others).
5. Research, develop briefing, and provide an example inspection, walk-through, and/or peer review demonstration for the class
6. Conduct a review of a cost estimation tool providing background, usage, and provide a tool demonstration using actual or near actual project data (SLOCs, Function Points) showing results of the tool output and sensitivity
7. Conduct a review of a project scheduling tool providing background, usage, and provide a tool demonstration using actual or near actual project data showing results of the tool output: show PERT, Gant, and other features
8. Conduct a review of a bug tracking tool providing background, usage, and provide a tool demonstration using actual or near actual project data showing results of the tool output including high-level bug tracking metrics and detailed view/status report of a bug.
9. Conduct a review of a Configuration Management toolset providing background, usage, and provide a tool demonstration using actual or near actual project data showing results of the tool output. Review CM identification, baseline/release control, status accounting, and audit.

D. Conduct a small software development project with your project team. Identify the project, create a set of requirements, a design, conduct team reviews, estimate software the effort, use a CM control strategy, create the software, test the software, and deliver a demonstration to the class with a briefing describing the project, the project management tools and approached used, the estimates versus actuals incurred (student labor hours), schedule, etc.

Each student team will be required to conduct 4 projects during the course. The student team may also define their own project not in the above list but must be approved by the instructor before start.

Each project a student team undertakes will provide deliverables as follows:

1. Project approval form
2. Initial/Actual Project Plan
3. Project Summary Report.

**Initial Project Plan**

**Team Name**:

**Team Member Names** (indicate with \* the Project Manager):

1.

2.

3.

4.

**Project Name**:

**Project Description** (short 1 or 2 sentence description):

**Customers:**

**Project Start Date**:

**Estimated Project Delivery Date**:

**Project Deliverables:**

*Signatures (Instructor and Project Manager)*

**Project Plan**

**Team Name**:

**Team Member Names** (indicate with \* the Project Manager):

1.

2.

3.

4.

**Project Name**:

**Customer:**

**Project Description** (short 1 or 2 sentence description):

**Project Start Date**:

**Estimated Project Delivery Date**:

**Project Schedule:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Task Name** | **Assignee** | **Est. Start Date** | **Actual Start Date** | **Est. Complete Date** | **Actual Complete Date** | **Est. Hours** | **Actual Hours** |
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**Totals**  X Y

**Initial Project Risks and Mitigations:**

1. Risk 1 Name – description; how to handle
2. Risk 1 Name – description; how to handle

**Deliverables:**

1. Item 1 Name, Description
2. Item 2 Name, Description