

1 Introduction

We often place all of our focus on one deliverable – the demonstrated prototype. This is the most interesting and public evidence of your work. However, there is much more to an engineering project such as good documentation and design archives and repositories.

The folder that contains this information is often called the Project Asset Library, PAL. It should contain everything needed for another employee, a future student, or even you to evaluate the project or be able to recreate or add features to your project. The PAL is a required part of the project course. PALs are organized by project not by team member. So a team-based project will have one PAL, which will contain clear identification of the contributions by each team member.

2 PAL Contents

Your PAL shall contain, the following folders:

1. Bibliography – A bibliography list of essential papers, standards, sketches/figures, data sheets, and articles that were used to research and develop the design. Along with the bibliography document, the actual documents shall be included if the license allows, and they are not too big. All items in this folder are documents that you did NOT author unless it was written for a different course or research project.
2. HardwarePortfolio – Your folder containing your hardware design portfolio from EECE 492. This contains the actual design files so someone would be able to reproduce your board or add features to your board design. If there is more than one board, there should be a subfolder for each board that is part of your project. There shall be no more than one portfolio for each board.
3. ProjectDocuments – All documents that you authored for the EECE 491-493 courses. This includes the Project Proposal, the Project Description, Final Schematics (pdf's), the Software System Design (pdf). This folder shall only contain pdf's. The folder should be flat, that is, there should be no subfolders.
4. Requirements – Contains one, and only one, requirements document that includes all the forms that define the requirements, the verification plan for the requirements, and the verification data for the requirements. These forms are kept up to date so at any one time, they show the status for each requirement through verification. File format, xlsx, and process is defined in ***RequirementsProcess.pdf***
5. SoftwarePortfolio – This folder includes a link to the code repository(s) in GitLab. If there is more than one board (with an MCU), or programmed device, in the project, there will be a link to the repository for each. Unless justified, and approved by the instructor, there should be one, and only one, repo per device in the project. Links to the repository can be directly in the OS folder or contained in a pdf document.
6. Demonstration – This folder would normally contain the demonstration poster art and possibly a ppt slide show. For this year, we will hope for a demonstration.