

ENGR 310
System Architecture Assignment

At this point, you should be well along the controlled convergence process, possibly having converged to a final solution approach. As part of the convergence process, you should think through system architecture possibilities as one of your inputs. Once converged, you have a myriad of design details to work through to meet the project goals.

For your next project assignment, please document the following under the appropriate tab of your team binder:

1. Convergence Process – Steps taken to converge from the 4-6 alternatives presented earlier to the final approach, including evaluation matrices and rationale.
2. System Architecture Plan – A plan for the system architecture that shows:
 - a. The major subsystems and their functions
 - b. Configuration alternatives
 - c. How the subsystems will interface with each other, the environment and the user, in detail.

Choose suitable representations given the context of your design (e.g., solid models for mechanical or structural subsystems, schematics for electrical systems, program structures for computer code, etc.) and any analyses or additional research you have done. Be sure to label and provide enough explanation that someone from outside your team can understand the document.

In addition, review your problem definition, functional analysis and specifications. Make any updates necessary.