

---

## ***TECH #3: ALTERNATIVE METHODS & RESEARCH***

### ***Executive Summary***

The following technical assignment summarizes the discussion in two of the dialogue sessions at the annual PACE roundtable. 40 industry members and 30 undergraduate and graduate students got together for simultaneous discussions on four topics: integrated design management, frontiers for innovation, healthcare facility design and delivery, and team building. Each topic had two discussion sessions. The sessions summarized in this report are both of the healthcare dialogues. Some of the issues discussed were the headaches for contractors in healthcare construction, infection control methods, steps necessary for successfully delivered projects, and planning issues that can beneficially affect project cost.

In this technical assignment is an identification of a critical issue that will be researched. A problem statement and research goals have been developed, and a data collection tool has been created.

Also, in this technical assignment is an identification of several problematic features of the project. Each problem falls under the category of a value engineering analysis, a constructability review, or a schedule reduction/acceleration.

The final section of the technical assignment is the technical analysis methods. Three technical analyses are presented with descriptions on how the analyses will be performed. Additionally, presented is a matrix showing how I plan to distribute my effort in the spring among the technical analyses and the research issue.