

## **“Project Based Learning for Technology Programs”**

RapidTech the national center for rapid technologies team will present a classroom demonstration on project based learning for Rapid Digital Manufacturing (RDM) and Rapid Prototyping. Ken Patton, Ed Tackett and Ben Dolan will make up a panel to present teaching methodologies for team approach to project based learning where the attendees will learn the methodology and methods used for team selection. Course and certificate program structure and curriculum will be shared with all attendees. The information and examples provided will assist the instructor in developing a project based approach for their technology discipline. Examples will be provided of student projects with outcomes.

### Objectives

1. Provide attendees with a pedagogical approach to project based learning in technology programs.
2. Provide certificate structure for Rapid Digital Manufacturing.
3. Provide methods for establishing balanced teams for technical courses.
4. Provide project team components for a comprehensive approach.
5. Give examples of student projects and outcomes utilizing this approach.
6. Provide Curriculum for RDM courses.

### Activity Description

A panel of three from RapidTech will deliver a power point presentation on the above with hand-outs and time for question and answer. There will be time allowed for exchange of ideas and group discussion on approaches to project based learning.

### Grade Levels

High school through college will find value in adopting this approach.

### Time Required

One hour to 1&1/2 hours

### Equipment & Supplies Needed

Projector and screen for power point presentation

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