GAP ANALYSIS WORKSHOP

National Science Foundation
Advanced Technological Education
B.E.S.T. **Center Winter Workshop 2013**

GAP ANALYSIS WORKSHOP

Note: This analysis should be performed individually by each attending institution. Institutions with multiple attendees may work together for the gap analysis. You may perform this analysis in either Word or PowerPoint, but please be certain to save your work, as this will be turned in at the conclusion of the winter workshop on Saturday along with your 5 PowerPoint slides which will be developed later.

Context: Each of you have come to the workshop with a letter of support from your respective institutions that it's your intent to develop or enhance your curriculum pertaining to building automation systems. Today you have witnessed BAS industry technology which is now pervasive across the country, learned of the need for technicians in the BAS industry, been presented a case study for the initial development and current structure of the BAS program at GPTC, and learned how the B.E.S.T center can support your efforts.

Goal of Gap Analysis: Identify the characteristics of some future state which includes BAS curriculum additions at your home institution, your institution's current state related to BAS curriculum, and the actions required to close the gaps between the two.

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<u>Process</u>

• Spend 15 minutes identifying characteristics of a future state your institution wishes to achieve centered on BAS. Think about what it would look like. (Your statements can be quantitative or qualitative)

• Spend 15 minutes describing your institution's current state with regards to BAS for each future characteristic you identified. What does it look like now? (Again, this can be quantitative or qualitative)

• Spend 30 minutes determining how you will bridge the gap for each characteristic you've identified. Think about what actions your institution will need to take. (You might have several action items for each future characteristic)

<u>Example (Qualitative)</u>

Future State	Current Situation	Actions Needed
Associate's of Applied Science Program in BAS at our institution	Diploma in BAS currently exists at our institution	**1. Develop courses using resources like curriculum sharing through the BEST center** **2. Hire another faculty member for BAS** **3. Improve our BAS advisory board to assist with guest-lecturing, donations, and marketing for our program**

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Example (Quantitative)

Future State	Current Situation	Actions Needed
Place 75% of our BAS graduates in their field	25% of our BAS graduates are placed in their field	**1. Enhance our advisory board and get them more involved** **2. Develop student clubs like ASHRAE, Building Technologies Club, and have students host and plan industry events** **3. Increase student engagement with faculty and industry through joint field trips to job sites**

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Template:

Future State	Current Situation	Actions Needed

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