

Consortium for Manufacturing Excellence

Review of National Visiting Committee Recommendations

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REVIEW OF PROGRESS ON NATIONAL VISITING COMMITTEE RECOMMENDATIONS

As part of the Puget Sound Consortium for Manufacturing Excellence (CME) year 2 evaluation, strategies that addressed the recommendations made by the National Visiting Committee (NVC) were documented during the 2002-2003 program year. In the following sections, recommendations from the NVC report are listed and documentation is noted of CME progress toward their achievement.

NVC Introduction Recommendations

1. Clearly state the CME vision and implications for a broad audience. **Accomplished March 2003**
2. Formulate a strategic plan with timelines and measures to accomplish its goals and objectives. **Accomplished March 2003**
3. Expand the Advisory Committee to include other manufacturing process industries that are predominant in the area. **Accomplished November 2002**
4. Expand to other manufacturing skill sets, not limited to CIP codes. **Accomplished June 2003**
5. Inform the program officer if the focus of the project has to be changed due to external factors. **No changes**

Key Activities – Manufacturing Technology Curriculum

1. Formulate a strategic plan with timelines to accomplish goals and objectives; products and deliverable samples need to be developed and validated. **Accomplished March 2003**
2. Conduct further research of colleges that are doing leading edge work in manufacturing programs. **Accomplished March 2003**
3. Expand the skill sets to include local manufacturing needs and include industries outside traditional metal cutting industries. **Accomplished November 2002**
4. Formulate a strong advisory committee with involvement at a high level. Include manufacturing economics, manufacturing resource management, lean manufacturing, and product life cycle management, and integrate soft skills. **Accomplished November 2002**
5. Research the opportunity to certify manufacturing programs. **Accomplished August 2003**
6. Curriculum writer should help faculty write curriculum modules ensuring their buy-in into the curriculum. **Accomplished Spring 2003**
7. Develop a dynamic model for creating and sharing modules that can be sustained after funding ends. **Planned**

Key Activities – Teaching Factory Model

1. Define the vision of a teaching factory. What are the activities, processes, deliverables, measures of success and innovation? **Accomplished October 2002 – Name changed to Manufacturing Technology Curriculum**
2. Produce a visual model of the curriculum scheme as a framework for the master curriculum. **Accomplished March 2003**
3. Ensure that employers are actively involved in this process to ensure validity of model. **Accomplished Spring 2003**
4. Pilot test and revise appropriate portions of curriculum before 2003 summer institute training of teachers. **Accomplished Summer 2003**
5. Establish curriculum teams that involve industry advisory members and college faculty to provide ownership and continued involvement. **Accomplished Spring 2003**

Key Activities – Training

1. Develop a clear vision of how teachers will learn and use the modular curriculum system and the teaching factory model. How will teachers be recruited, who will teach them, what will they learn, and what support will they have once they return to their schools? **In progress**
2. Complete curriculum gap analysis. **Accomplished November 2002**
3. Validate the curriculum gap analysis. **Accomplished March 2003**
4. Plan the summer institute to use those who have participated in curriculum revision to ensure broad participation. **Accomplished June 2003**

Key Activities – Articulation

1. Articulation enhancements should be clearly defined based on industry and institutional need and matched to the strategic plan and timelines. **In progress**
2. Investigate how career maps can be used as a tool to recruit people into manufacturing and what new pathways might be developed. **In progress**

NVC Summary Recommendations

1. Develop a strategic plan with timelines and measures to accomplish goals and objectives. **Accomplished and approved by the CME Advisory Committee April 2003**
2. Define the roles and contributions of the consortia members to ensure buy-in during the project and acceptance of final results. **Accomplished March 2003**
3. Work closely with the Advisory Committee to validate the proposed modularized manufacturing curriculum. **Accomplished April 2003**
4. Develop a clear vision for the Teaching Factory and the plan for teaching instructors and faculty how to use it. **Accomplished and approved by the CME Advisory Committee April 2003 (name changed to Manufacturing Technology Curriculum)**
5. Align the articulation objective with the strategic plan as well as industry and institutional needs. **In progress**