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**The River Valley Community College in collaboration with
the New Hampshire Manufacturing Extension Partnership presents:**

Lean Enterprise Certificate Program

A Comprehensive Lean Training and Application Certification Program

Start Date: August 28, 2008 **End Date:** December 18, 2008 **Time:** Thursdays 8:00 am - 4:00 pm

Location: River Valley Community College, Keene Campus, 310 Marlboro Street, Keene, NH

Program Cost per participant: \$3465

Program Structure: The Lean Enterprise Certificate program is a hands-on Lean Principles curriculum that is designed for those who want to learn and apply Lean Principles within their organization. Students will receive formal instruction in Lean Principles over 2 eight week sessions (details below). Class will be held once a week for 8 hours. Students will have the opportunity to apply the concepts in a real working environment and facilitate a team of fellow classmates during on-site application days. Participating companies will provide an improvement opportunity for the students to apply the concept(s) of Value Stream Mapping, 5S, Cell Design, Pull Systems, TPM or Set Up Reduction. With this structure, students not only experience first hand the benefits of a Lean Enterprise, but will also learn of best practices and network with other companies in the local area. Graduates of this programs are fully prepared to write the AME / SME Bronze Lean Certification exam.

Fundamentals of Lean Enterprise - LEFC 101

This course introduces the student to the theory, fundamentals, principle tools and the application of Lean for Manufacturing and the Front Office. Case Studies, simulations, and actual problems are used to immerse students in the transformation of a business environment. In order to maximize the investment students have committed to this program, students are required to work on two projects that directly transfer the content from the LEFC 101 course into a real world application that can benefit their own working environment. Students will work in small groups in order to share knowledge and experiences as they complete their project. Students will be required to present their project results to the rest of the class.

Day 1 – Time Wise Principles of Lean Enterprise

Day 2 – Team Involvement Problem Solving

Day 3 – Value Stream Management System

Day 4 – Value Stream Management System Application Day

Day 5 – Value Stream Management System Application Day
Day 6 – Quiz, Team Presentations, 5S
Day 7 – 5S Application Day
Day 8 – Team Presentations, Exam, Evaluations

Intermediate Lean Enterprise - LEFC 110

This course builds upon the fundamental topics presented and experienced during LEFC 101. Students gain working knowledge of Lean Enterprise implementation tools that are critical to the performance of any business environment. In addition, more case studies, simulations, and actual problems are used to maintain the interaction and knowledge retention with the students. The students will choose the improvement event(s) for the application days based on key subject areas (Cell Flow, Pull Systems, TPM, Set Up Reduction, Lean Six Sigma) and the opportunities identified during the Value Stream Maps from LEFC101. All Application Days are run in a structured Kaizen format in order to allow the students to gain experience in facilitating Kaizen events. As in LEFC 101, students will work in small groups in order to share knowledge and experiences as they create their project. Students will be required to present their project results to the rest of the class.

Day 1 – Kaizen Methodology and Cell Flow
Day 2 – Pull Systems, TPM
Day 3 – Set Up Reduction
Day 4 – Lean Six Sigma
Day 5 – Application Day
Day 6 – Application Day
Day 7 – Application Day
Day 8 – Team Presentations, Exam, Evaluations

Who should attend:

- Companies just starting their Lean journey
- Companies struggling with Lean implementation
- Lean champions / implementors / facilitators
- Managers who would like to impact their bottom line
- Companies looking to effect change within their organization

Results of Lean Manufacturing: Participants in our workshops have reported significant results after implementing Lean principles in their own enterprises including:

- 90% reduction in lead times
- 85% reduction in work-in-process
- 85% improvement in quality
- 50% increase in productivity
- 50% reduction in floor space

River Valley Community College:

Since 1968, the New Hampshire Community Technical College at Claremont and Keene, now known as River Valley Community College, has been providing quality employe education in an academic environment small enough to allow individual attention.

What New Hampshire Business Are Saying:

We have experienced a 50% improvement in our daily production output with the same staff as we had before. The outcome we have experienced from the work we have done with the NH MEP has exceeded my expectations.

Wayne Justason, Vice President of Manufacturing Reliable Technologies, Manchester, NH.

"Producing one of our custom doors use to take 20 to 22 man hours," said Kevin Bittenbender Team Leader of the Woodworking Shop. "Now a door can be completed in 12 hours."

A simple change has cut our lead time by 66%, reduced production hours by 11%, and decreased the square footage that our process takes."

Hans Porschitz, Team leader, Building Systems Bensonwood, Walpole, NH

New Hampshire Manufacturing Extension Partnership:

In the past year, NH MEP has trained more that 1700 employees at 34 NH businesses, in the Principles of Lean Manufacturing. The NH MEP is part of a nationwide network of technical, manufacturing and business specialists linked together by the U.S. Department of Commerce and the National Institute of Standards and Technology. The NH MEP provides this training using Time Wise Management Systems' world class suite of enterprise transformation tools and best practice methodologies.

For information or to register, call Jim Britton at (603) 542-7744 x 346 or
jbritton@ccsnh.edu

Sign Up Now - Seats are Limited

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