WORKSHOP: LEAN PROGRAM DEVELOPMENT

Thursday, July 9th, 1:00-2:00pm
LOCATION: CET 213

Facilitator:

Mohamed El Sayed, Kettering University

Abstract:
Lean principles have been utilized in industrial and organizational settings to stimulate growth and maximize performance. These principles are founded on respect for people and continuous improvement. Process Education principles are founded on two similar beliefs. First, no one should be marginalized: all learners have the capacity to improve the quality of their learning. Every learner can learn to learn better, regardless of his or her current level of achievement; one's potential is not limited by current ability. Second, educators have a responsibility to "raise the bar" in their profession: learning is enhanced and achieved for all learners when educators help build learning skills, create and improve quality learning environments, design solid coherent curricula, and serve as effective facilitators of learning. In this workshop, the similarities between the principles, foundations, and aims of both Lean Philosophy and Process Education will be utilized in applying lean methodologies to educational program development and implementation.

Learning Outcomes:
1. Participants will understand the fundamentals of lean philosophy and principles and their similarities to the philosophy and principles of process education.
2. Participants will understand the effect of adopting lean methodology on streamlining the education process, improve faculty and students performance, eliminate waste, and enhance institutional culture.
3. Participants will be introduced to the process of applying lean principles to program design and development.
4. Participants will understand the use of lean tools for continuous quality improvement.

Facilitation Plan:
1. Facilitator will present the lean thinking history, development, and samples of successful applications to date.
2. Facilitator will present some of the most relevant lean principles and tools for higher education and academic program development.

3. Using examples of successful implementations facilitator will demonstrate
    a. How lean tools can be applied
    b. How to use these tools to streamline a process and eliminate waste.
4. In teams, the participants will apply some aspects of the techniques demonstrated in (3.a) to a program of their choice.
5. Each team will then exchange the results of their work with another team to assess the ability of the implementation in streamlining the intended program and eliminating waste.
6. Each team will then assess the workshop.

Activity Resources: Handouts.

Resources needed: Tables for participants, LCD projector to connect with laptop, power cord to plug in laptop.