

Industrial Management In Engineering Education At ENSA-Kenitra, UIT, Morocco

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Abstract

The National School of Applied Sciences of Kenitra (ENSA-Kenitra) is a public engineering school affiliated to the Ibn Tofail University – Kenitra - Morocco. Its students represent around 10% of the total number of all ENSA engineering students and around 6% of the total engineering students in the public engineering schools.

At ENSA-Kenitra, some industrial management courses are part of many engineering programs while the success rates are not the same for all of them; for example, for the maintenance management course, the success rate of electrical engineering students in the first session is lower than that of industrial engineering students despite they have the same prerequisites competences/skills. After analyzing the situation, we decided to carry out awareness activities, in 2018 and 2020. These activities brought the success rate of electrical engineering students closer to that of industrial engineering students. We can then conclude that the awareness activity can help to keep a good success rate and it is recommended to carry them out permanently before starting maintenance management course.

For the lean manufacturing course, it is recommended that contains significant elements of hands-on experience reason why we use lean games at ENSA-Kenitra as an experiential learning tool. In fact, the lean games are a good experiential learning tool. From our experience with lean games, we can confirm that is a very fruitful experience for students and an effective tool to convey the concepts of lean to them.

Keywords

Industrial management course, Lean game, Experiential learning tool, ENSA, Awareness

Biography

El Abbadi Laila received the B.S. degree in industrial engineering from Faculty of Sciences and Technologies (FST), Sidi Mohamed Ben Abdellah University, Fez, Morocco, in 2006; the M.S. degree in industrial management and the Ph.D. degree in computer science, modeling and quality, from Dhar El Mahraz Faculty of Sciences, Fez, Morocco, in 2008 and 2013, respectively.

From 2009 to 2014, she was a part time professor at some Faculties of Sciences in Morocco. Since 2014, she is a Professor of industrial engineering, at the National School of Applied Sciences (ENSA), Ibn Tofail University, Kenitra, Morocco. She is a member of engineering sciences laboratory-Ibn Tofail University and the coordinator of the research team “industry, logistics, analysis and data protection”. Her research interests include, but not limited to the following areas: quality management, lean management and operations management. Mme El Abbadi is a faculty advisor of the Student Chapter of the IEOM Society at Ibn Tofail University.