

A Study of Lean Principles Implementation in the Libyan Healthcare and Industry Sectors

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Abstract : The Lean technique is very important in the service and industrial fields. It is defined as an effective tool to eliminate the wastes. In lean the wastes are defined as anything which does not add value to the end product. There are wastes that can be avoided, but some are unavoidable to many reasons. The present study aims to apply the principles of lean in two different sectors, healthcare, and industry. Two case studies have been selected to apply the experimental work. The first case was Al-Jalaa Hospital while the second case study was the Technical Company of Aluminum Sections in Benghazi, Libya. In both case studies the Value Stream Map (VSM) of the current state has been constructed. The proposed plans have been implemented by merging or eliminating procedures or processes. The results obtained from both case studies showed improvement in capacity, idle time and utilized time.

Keywords : healthcare service delivery, idle time, lean principles, utilized time, value stream mapping, wastes

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