# Implementation of 5S Lean Methodology in Reviewing Competencies in a Higher Education Institution

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**Abstract :** The potential of applying Lean Management in Higher Education Institutions has increased significantly in last few years, leading to tremendous savings. Reviewing and updating competencies' curriculum matrix is one of the critical and complicated processes that consume time and effort, and this has triggered searching for a scientific and sustainable approach to manage the such review. This paper presents a novel approach of implementing Lean (5S) methodology in reviewing technical competencies required for the graduates of the Military Technological College (MTC) in the Sultanate of Oman. The 5S framework has been imbedded into an action plan using the PDCA cycle. As a result, the method applied has helped in sorting out the actual required competencies, the team has identified the required (new, amended, and deleted) competencies in all of the targeted Engineering Departments, in addition, the major wastes within the overall process were identified, and the future review process was standardized and documented.

**Keywords :** PDCA, 5S, lean, MTC, competencies, curriculum matrix, higher education
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