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Abstract:-

As for the required precision and confidence for tests performed by the construction laboratories and its significance to determine the quality level for buildings during the construction period and during its life span. Therefore, it is necessary for these laboratories to have Quality Management System.

The objective of this research aim to highlight the importance of applying ISO 17025:2005 for competence of tests and calibration laboratories, regards of there number of personal and work load, or being part of a large organization offering services or product according to ISO 9000:2000, and suggest a quality system suitable for a construction lab. In order to obtain the Iraqi national quality certificate according to ISO 17025: 2005 for the first time in the country in this field.

The Engineering college construction laboratories was selected as a case study to investigate its (QM) procedures and polices currently used. The result of these investigations show the pitfalls and weakness of the current system according to the international standards requirements so a proposal quality system was suggested with an implementation program for to compile with this standard.

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(ISO)

(M.Carrol Croakin, 2001)

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(Stevenson, 1993).

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