

اجندة طالب الدراسات العليا

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عنوان البحث للرسالة او الاطروحة:

بناء نظام للسيطرة على الكلفة والوقت في تنفيذ مشاريع الطرق

عناوين البحوث المستتلة: بناء نظام للسيطرة على الكلفة والوقت في تنفيذ مشاريع الطرق

تقدير المناقشة: جيد جداً



Roads reflect the civilization aspects in any part of the world, therefore any successful construction project including roads projects is based on three cornerstones which are (cost, time and quality). Every project needs to be implemented in the scheduled time, within the planned budget and according to the project technical specifications, the control of the three project's elements (cost, time and quality) requires, Project manager should have experience and sufficient knowledge with planning methods, control and selecting alternatives before start performing the work. Moreover, each decision being made in the beginning of project implementation has its significant impact on project cost and quality.

This study focuses on how to control the cost and time in implementing the roads projects, identifying the main factors that lead to cost increment and project delays from the project scheduled plan.

The theoretical part of the research dealt with studying and identifying roads types and its construction methods, selecting its construction materials, also studying the literatures reviews about cost, time, and their variances, and identifying the reasons of these variances occurrence, in other hand, the practical part included performing the personal reconnaissance interviews with the construction companies that perform roads the projects and employing the earned Value Scheme in controlling to that lead to the variation in cost and time and finding the remedy for each case. Also a project control and follow-up administrative system has been suggested in order to keep controlling the project.

The research had reached for many conclusions; the most important one is the need to an administrative and engineering staff with wide range of experience in estimating the project prices and arranging the time table accurately, so that avoiding the cost increment and engineering projects delays, as well as the statute of limitations in the machines has a significant impact on the cost and time in the implementation of road projects because of the large number of control over the cost and time, as the study shows through the application of earned value on a road project that the system is very useful in controlling the cost and time for the project as a cover status of the project during the first months whether it is going well or there are obstacles you had to project by taking the necessary measures to overcome them, Besides it had been concluded to a group of recommendation and suggestions for the future studies and researches.