

Worapan Kaewpitthayaporn 2007: Project Schedule Evaluation System for Road Construction. Master of Engineering (Civil Engineering), Major Field: Civil Engineering, Department of Civil Engineering, Thesis Advisor: Assistant Professor Suneerat Kusalsai, Ph.D. 111 pages.

Most of road construction projects have a long-term process and contain a high degree of uncertainty which can affect project cost and time. Therefore, project evaluation become necessary and is widely used to update and control the project so that the variation is minimum.

The objective of this thesis is to develop the program that can evaluate the performance of a road construction project during its constructing process. Since Microsoft Office is a program that each organization uses widely, the Evaluation program is written on Microsoft Access2003, which is part of Microsoft Office, for easily use by connecting through the result window (Graphic User Interface, (GUI)).

Given actual quantity of work perform the program can help on engineer to evaluate the performance of each activity. The variances will be shown in monetary units as the total schedule variance. The schedule variance due to changes in work quantity, the schedule variance due to the difference in starting date, and The schedule variance due to changes in productivity rate.



Student's signature



Thesis Advisor's signature

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