

Nawapat Keeratiworanan 2007: Database Application For Quality Cost Analysis.
Master of Engineering (Industrial Engineering), Major Field: Industrial Engineering,
Department of Industrial Engineering. Thesis Advisor: Assistant Professor
Anont Wonggasem, MBA. 150 pages.

The objective of this research was develop program to apply database for collecting, analyze, reporting quality cost., enhancing management decision making and reducing error and mistakes during data collection process . The program, designed for general industry use, used PAF model to design methods for gathering and calculating quality cost, are able to compile 70 sub cost items in 4 categories which composed of 22 prevention cost items, 19 appraisal cost items, 20 internal failure cost items, 9 external cost items. In addition we were able to define 4 methods of defying quality cost and classify into 6 group of quality cost. Finally, database system was developed in accordance with the plan, test accuracy of the process such as quality cost calculate test, connect defect data with quality cost test data , store and backup overhead cost rate system test, collect all quality cost data and subprogram effectiveness test and report data test. Microsoft Access 2003 are use for this purposed

Process test's result show that the database achieves the objective above.
The database shows 4 type of quality cost report, that are, trend analysis report, Pareto analysis report, variance analysis report and proportion analysis report.



Student' s signature



Thesis Advisor' s signature

21 / 03 / 07