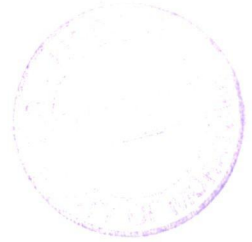


APPLICATION OF MSTM ACCESS FOR COST CONTROLLING



A. N. PUNCHIHETTI

 BSc Engineering, AMIE (Sri Lanka)
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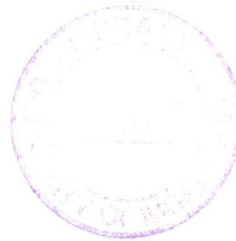
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Department of Civil Engineering
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APPLICATION OF MS™ ACCESS FOR COST CONTROLLING

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This thesis was submitted to the Department of Civil Engineering of University of Moratuwa in partial fulfillment of the requirements for the Degree of Master of Science in Construction Project Management

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Supervised by: Dr. A. A. D. A. J. Perera



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December 2003

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Declaration

The work included in the thesis in part or whole has not been submitted for any other academic qualifications at any institution.



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Dr. A. A. D. A. J. Perera

Supervisor

ABSTRACT

Information required to every person is increasing and we are now living in an information revolution era. Each and every commercial organization is taking benefits of information technology and computerizing their every activity to get information on activities. Sri Lankan construction industry is lagging behind compared to other industries and facing many problems. To overcome these problems information technology is the most powerful tool available.

Construction contractor has a vital role in cost controlling of construction not only to his self-success but also to give benefits to the society. Generally the cost controlling practice in Sri Lankan construction contractors are in primary stage not giving enough information at correct time and those few good systems available among are also very sophisticated.

Road Construction and Development Company (Pvt) Limited is the largest government owned road construction company in Sri Lanka. This company is operating its business all over the country. Major income for the company is the return from its construction projects. Hence there is a very big demand for information system from each project to know whether those projects are operating within mark-up limits.

To satisfy this demand there is a manually operating cost information system but there are so many shortcomings with this. Therefore this computerized information system was developed based on existing system also to cover some other site activities in a construction project.

Microsoft Access 2000 database management package was used to develop the proposed management information system. Only small changes were done in data collection methodologies and output reports of existing system.

The proposed system was tested using an actual data set with small modifications in numerical figures to confirm security of the company's financial information and results show that proposed system is easy to handle and give more accurate information. It was also demonstrated to few site-managing people of the company and they agreed that the proposed system would help them to manage their site activities with efficient way.



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I also wish to thank Road Construction and Development Company (Pvt) Limited for giving opportunity and granting funds to do this research. Finally I wish to thank my colleague staff of the Road Construction and Development Company (Pvt) Limited for giving valuable comments for the success of this research project.



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