FINAL YEAR PROJECT REPORT ADVANCED DIPLOMA IN CIVIL ENGINEERING SCHOOL OF ENGINEERING MARA INSTITUTE OF TECHNOLOGY SHAH ALAM

INTEGRATED COMPUTER PACKAGE FOR PRODUCTIVITY, COST CONTROL AND SCHEDULE CONTROL

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ABSTRACT

Recently, there are so many computer softwares sold in the market and its purpose is to overcome complex tasks which must be carried out continuously.

In this final year project paper, the software which is called INPROMA (Stands for INtegrated PROject Management) is compiled using Quickbasic language. This software does productivity calculations and then prepares a datafile for other control accounts such as job cost control and schedule control system to produce labor ledger, labor distribution, job cost ledger, monthly cost statement and labor cost report. From all those accounts, we can monitor the progress by using schedule control system.

This software enables the project manager to monitor productivity on site and it has also the capability to integrate the productivity on site with accounting system for job cost control system and schedule control system.

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1.0 INTRODUCTION

1.1 OBJECTIVE

The objective of this final year project paper is to prepare an integrated computer package (a computer software) which can monitor productivity of certain activities and intergrate the productivity data with cost control accounts and schedule control system. In addition, under the cost control accounts; this software can also handle the labour cost statement and schedule progress report in tabulated forms. The user will be able to manage some sort of budgeting on the screen from the productivity data.

By using this software, it is easier for the user especially the project manager to see the trends of the jobs done on site. Furthermore, the project manager will then take precautions in securing the project payment.

The final stage which can be produced by using this software is whether the project running on site can be completed on time or beyond the duration.

Finally , several lists of cost accounting , payment ledger and monthly payment will be produced.