

HIGHER TECHNICAL INSTITUTE

COMPUTER STUDIES COURSE

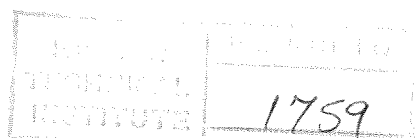
DIPLOMA PROJECT

**ENGINEERS MAINTENANCE SCHEDULING
AND MONITORING COMPUTER SYSTEM**

CS/046

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INTRODUCTION

ENGINEERS MAINTENANCE SCHEDULE AND MONITORING COMPUTER SYSTEM

The engineers maintenance schedule system is a system responsible for the scheduling of maintenance engineers in the event that a customers equipment has fault or needs maintenance. While investigating in companies that kept such maintenance engineer schedule systems the following operations were included in the system.

a. The schedule of any maintenance operation has to be prepared. A schedule that will contain the dates and the place. But it has to be prepared by someone who knows the job and he is somehow in charge for it. But this is done by hand not by means of any machine. This has to be considered in order to suggest the use of a computerized system in such an environment. The maintenance schedule dates have to be in a deadline that are set by the maintenance contract. Therefore vast amount of paperwork is in the hands of the person who has to prepare the schedule. First is to find when a maintenance has to will take place. Second check if the contract is valid that is not expired. Third there is the estimation for the cost of a contract for an equipment. The above tasks are done by the person who is in charge for the schedule and has to be some one who is familiar with the job of the engineer or an engineer. This job is time consuming for an engineer who wants to had it finished so he would be able to get on with his regular chores.

From the reports that are brought in from the engineer we see the travel time and the service time in human hours. For example if two engineers go for a certain job the charged time is two times the recorded time so and is charged accordingly. Another piece of information are the parts used in the repairs and how many . So an estimation of the human hours and the parts used provides with the means needed for billing.

b) Maintaining stock control or inventory of spare parts in the engineering environment implies vast amount of paper work. It is time consuming task and often the files are not up to date. A few of the manual stock control techniques that were developed in order to ease the burden are very useful to be taken

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