

**EQUIPMENT PREVENTIVE MAINTENANCE AND REPAIR SYSTEM
(EPMRS)**

For

INTERNATIONAL BUILDERS CORPORATION (IBC)

A Capstone Project

Presented to the Faculty of
The College of Computer Studies
Central Philippine University

In Partial Fulfillment

Of the Requirements for the Degree of
Bachelor of Science in Information Technology

By:

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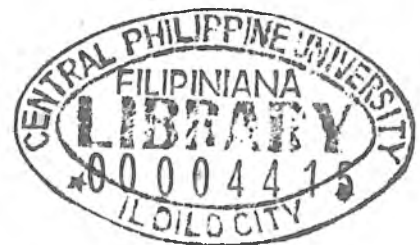
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ABSTRACT

The study pertains to the improvement of the preventive maintenance system of International Builders Corporation (IBC), a general contractor based in Iloilo City. The study resulted to the discovery of various weaknesses in IBC's current equipment maintenance system which the difficulty of tracking of heavy equipment and scheduling of maintenance services due to manual unverified entries, and the inaccurate calculation of maintenance costs due to inefficient processing.

The main objective of the study is the computerization of the current equipment maintenance system in order to provide a faster, more organized, more reliable, and more efficient means of maintenance information management. The scope of the study includes maintenance and repair scheduling information management for specific end users which are the equipment maintenance head, senior mechanic, and preventive maintenance supervisor. The study is limited by its inability to process the intrinsic details and perform actual maintenance operations and by its area of usage which is limited within the proponents offices.

The study uses the Rapid Application Development (RAD) software development methodology which was chosen in response to the limited time requirement in order to deliver the system to the ever revolving technologies used in modern information systems. The study concludes with the following recommendations in order to meet the growing demands of better information system including the ability to utilize the internet for data transmission and the ability to incorporate the system in modern portable handheld computers and devices