

# # C616708 : MAJOR INDUSTRIAL ENGINEERING

KEY WORD:

IMPLEMENTATION / EVALUATION / MRP II / ELECTRICAL MOTOR  
WERASAK PRASARTKHETKARN : IMPLEMENTATION AND EVALUATION  
MRP II IN AN ELECTRICAL MOTOR FACTORY.

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This Thesis presents the result of implementation MRP II system in an electrical motor factory by introducing the computer software package in recording information of inventory and transaction movement. Calculation of gross requirement, net requirement and planned quantity to order releases and also capacity planning for production. By studying information from bill of material, inventory status, purchasing and manufacturing lead time, technique of calculating demand of various materials and capacities.

According to this study, we found that by implementation MRP II system can decrease the inventory valuation up to 17% and increase the production efficiency up to 15%. We can calculate the requirement of materials and capacities faster and also more accurate in case of input data was change. The accuracy of the output from MRP is entirely dependent upon the accuracy of input data and the proper choice of parameter value.

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