

# **Development of an Information System Model to Ease Financial Ratio Analysis: Quintessence to Effective Management Decision in Malaysian Manufacturing Sector**

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## **ABSTRACT**

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The world has technologically been in a fast track since the incessant rise in information technology. Information technology has positively affected the way and manner organisations have improved in their working system over the past years. Hence, the aspect of financial ratio has also benefited from these great changes over the years. This research shows how financial ratios can be aligned with information system for effective management decisions that will lead to achieving organisational goals. Various literatures relating to information system, financial ratios as well as management strategies were reviewed in order to have an in-depth knowledge of the concepts involved. The research methodology by the researcher shows the various processes involved in gathering and data collection. The proposed model which is geared towards giving end users of the financial ratios information system an ideal interface and an easy way of analysing financial ratio for management effective decisions was identified. The financial ratio model proposed by the researcher was further analysed after a comparative analysis was drawn between other related existing systems.

The objectives of the thesis primarily cores at coming up with a model that will ease financial ratios analysis as well as generating reports that will be a good indicator for management to decide on the way forward for their organisation.

Calculate using relevant required ratios, to ascertain the company strength and weakness for effective management decision. It also aimed at evaluating using trend analysis to ascertain the company's growth over the years. The output of the analysis will also be used in this thesis to suggest possible solution and recommendation for the growth and achievement of companies within the manufacturing industries.