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Author Yu-Wei Liang
Author's Email Address No Public.
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Abstract
With the arrival of the times of knowledge-based economy, the intellectual capital (IC) has already become importance that a lot of enterprises have been used for promoting the competitiveness and managed tools. Though the management of the intellectual capital has already been paid attention to day by day, found from literatures that mostly do the describing introduction only to their concepts , or understand the important influence of intellectual capital on enterprises by case study , or attempt to construct intellectual capital measurement indicators, still few concretely measurement of enterprise's intellectual capital performance , and further make the comparative analysis of applying the subjective and objective method to the measurement of enterprise's intellectual capital performance, have not also found relevant literatures so far.

According to the present situation of industrial circles, applying analytic hierarchy process (AHP) to find relative importance of enterprise's core competence among four types of intellectual capital: Human capital, structural capital, relational capital and innovation capital.After empirical study of semi-conductor industry and opto-electronic industry, find that human capital more importantly determine enterprise's core competence than other capital in semi-conductor industry. The second important capital is innovation capital, the third is relational capital, the final is structural capital; The results in opto-electronic industry show that innovation capital more importantly determine enterprise's core competence than other capital. The second important capital is relational capital, the third is human capital, the final is structural capital. The results in semi-conductor industry and opto-electronic industry both show that innovation capital more importantly determine enterprise's core competence than other capital. The second important capital is human capital, the third is relational capital, the final is structural capital.

Measuring enterprise's intellectual capital performance concretely, this article use AHP to extract weights(subjective) and DEA-RG model to calculate weights(objective) among IC indicators, The

results of Spearman Rank Correlation test show that there was a significant relationship between the rank of management efficiency of intellectual capital under AHP method and DEA-RG model.Therefore according to the sample of this thesis,it shows that no matter AHP method and DEA-RG model, there was a significant relationship between the rank of management efficiency of intellectual capital under AHP method and DEA-RG model.It meant the conclusions of two kinds of methods have a significant consistency.
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