

高等技職校院與企業參與產學合作因素之研究

摘 要

本研究旨在探討高等技職校院與企業參與產學合作的因素，除了以 t 考驗、單因子變異數分析探討高等技職校院學生與企業界主管對於參與產學合作因素重要性的認知和雙方看法的差異之外，並利用集群分析方法，將高等技職校院學生與企業界主管各分為三大集群，最後並試圖提出具體的合作途徑。

本研究經由文獻探討發展出「高等技職校院與企業參與產學合作因素之調查問卷」，並採用因素分析之主成份分析法，萃取出九個因素，分別為：(1) 設備獎勵因素；(2) 人力交流因素；(3) 合作互動因素；(4) 人才網羅因素；(5) 溝通聯盟因素；(6) 人才培育因素；(7) 回饋企業因素；(8) 社會公益因素；(9) 就業進修因素。

本研究的研究工具經過預試修正之後，正式問卷調查的對象分別是高等技職校院的學生以及企業界的主管人員。學生方面有效樣本為 754 位，企業界主管方面有效樣本為 134 位。

綜合本研究的研究發現、結果分析與討論，歸納出以下結論：

- 一、高等技職校院學生與企業界主管對於參與產學合作因素重要程度認知之評定得分最高為「就業進修因素」。
- 二、高等技職校院學生與企業界主管對於參與產學合作因素重要程度認知有部分顯著差異存在。
- 三、依據高等技職校院學生與企業界主管對於參與產學合作因素重要程度認知之差異情形分別可歸納出三個集群。

再者，根據研究發現與結論，本研究提出一些有關產學合作方面的建議供高等技職校院學生、企業界、教育主管行政機關以及未來研究參考。

關鍵字：產學合作、高等技職校院、企業

The Study of Factors Affecting Industry-academy Cooperation Between Vocational Colleges and Enterprises

Abstract

The main purpose of this study was to investigate the viewpoints of factors affecting industry-academy cooperation between the students in vocational colleges and the chiefs in enterprises in Taiwan. Besides using t-test and one-way ANOVA to analyze the viewpoints of factors affecting industry-academy cooperation between students in vocational colleges and chiefs in enterprises, cluster analysis was also used to classify the students and chiefs into three groups individually. Finally, concrete cooperative ways between students in vocational colleges and chiefs in enterprises were constructed.

According to the literature review, a self-made questionnaire in the topic of "The questionnaire for factors affecting industry-academy cooperation between vocational colleges and enterprises" was formed. Then, principal component analysis was adopted and 9 factors were extracted: (1) the factor of equipment and reward; (2) the factor of human resource interchange; (3) the factor of cooperation and interaction; (4) the factor of human resource hunting; (5) the factor of communication and alliance; (6) the factor of human resource breeding; (7) the factor of feedback of enterprises; (8) the factor of public welfare; (9) the factor of employment and further education.

The questionnaires were sent to the students in vocational colleges and the chiefs in enterprises in Taiwan after being revised. 754 surveys returned from the student samples and 134 surveys returned from the chief samples were identified to be valid.

The main findings of this study are as follows:

1. "The factor of employment and further education" is regarded as the most important factor between the students in vocational colleges and the chiefs in enterprises in Taiwan.

2. The viewpoints of factors affecting industry-academy cooperation between the students in vocational colleges and the chiefs in enterprises are significant different in some backgrounds.

3. According to the differences of viewpoints of factors affecting industry-academy cooperation between the students in vocational colleges and the chiefs in enterprises, they can be classified into three groups individually.

Based on the findings above, guidance and implications to the industry-academy cooperation between vocational colleges and enterprises as well as the suggestions for further research are proposed.

Keywords: Industry-academy cooperation, vocational colleges, enterprises