



# Factors Determining to promote SMEs through Technology Management

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## Abstract

The central purpose of this paper is to propose the most appropriate instruction model that is worth implementing in the context of the board of innovation (MoT), especially in situations involving small and medium enterprises (SMEs). Relative to the contemporary local structure characterizing the global pattern change and the Chungcheong context, a central assumption is that three major educational programs play a crucial role towards the preparation of individuals seeking to take up an important role of SME elevation (towards global operation and achievement). These factors include the globalization of advances, the executives of uniting advances, and innovation commercialization.

**Keywords:** MSE, Technology Management, Sme

## 1. Introduction

The primary instruction objective for doctoral level college of the executives of innovation (Hereafter MoT) is the improvement of high gifted labor with abnormal state of down to earth qualification[1]. In Korea, seven doctoral level college of MoT are as of now in activity. Particularly, graduate school of MoT in Hoseo college, which is situated in Chungcheong region, was established in 2016 and has been keen on HR in locale based little and medium-sized ventures (Hereafter SMEs) as a piece of the reasonable local improvement and SMEs advancement. In such manner, a proper instruction show is significant for preparing labor in district based SMEs.

## 2. Foundations for New Education Model

In the Korean context, scholarly insights suggest that for SMEs, examinations emphasize training patterns and instructive requirements, as well as college instructive substance. Particularly, MoT instructional requirements have been examined by focusing on more than 125 SMEs located in Chungcheong zone. Furthermore, MoT's drift in the future instruction suggests that supposition surveys are worth conducting, with 79 (MoT) specialists on focus. In summary, different instructive substances were offered to over 30 external colleges and households to establish an ideal training model that could be applied o the context of SMEs.

## 3. Result and Discussion

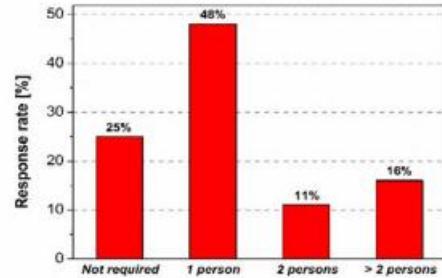
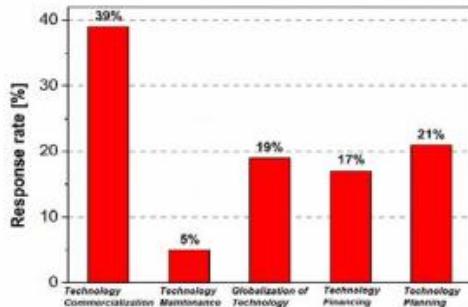
In Fig. 1 (a) and (b), aspects of course inclination and interest for MoT expert labor are illustrated. Findings suggest that about 75 percent of all subjects require at least one MoT expert labor to work in business contexts. In particular, it was established that 39 percent of the aggregate subjects seek opportunities but they remain less fit in innovation commercialization.

In the interim, SMEs ought to likewise develop their own ability to make new sorts of advances by uniting the present ones. Subjects on the administration of union innovation, which handle the expectation and assessment of the developing assembly advances, ought to be opened for preparing labor to elevate SMEs to the level of a concealed boss. From the results, about 56 percent of the subjects indicated that SMEs require capabilities through which convergence technology management and the globalization of technology could be realized among SMEs; with these promising trends poised to steer improvements in competitiveness.

From this survey research, it is worth concluding that the parameters of the management of convergence technology, the globalization of technology, and technology commercialization constitute three elective but important major courses through which crucial knowledge and skills in SME can be gained. It is also evident that out of all the SMEs on focus, 46.2 percent have had their survival rest with the delivery and manufacture of products in relation to the orders that they receive [2]. Hence, the majority of the SME's high level of dependence on parent companies stays at 80 percent, a trend experienced for over five years. These findings are illustrated in Figure 2.



However, this study notes further that the ability of SMEs to emerge as key champions capable of surviving stiff competition in the global marketplace demands human resources with knowledge and skills for managing original technologies and also ensuring that they are commercialized. As such, the attribute of technology commercialization yields a financial value for SMEs, suggesting further that the need to incorporate it into the human resource training programs cannot be overemphasized. Furthermore, the findings point to the importance of incorporating the subject of technology globalization into human resource training in relation to the preparation of expertise seeking to take SMEs to a global scale.



## 2. Conclusion,

Appropriate MoT training models for locale based SMEs was proposed. In light of studies from SMEs and specialists in MoT, it was affirmed that innovation commercialization, globalization of innovation and the executives of assembly innovation could be three center elective real courses for preparing high talented labor in SMEs. Scholastic subjects related with each course are thought to opened for creating HR for SMEs.

## References

- [1] Korea Institute for Advancement of Technology, Annual Report on Business Guide, 2015, p.87.
- [2] Small and Medium Business Administration, Annual Report on Survey on Actual State of SMEs, 2015, p.11-14