The Effect Of Government Support On Innovation Ability (Including A Case Study)

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Abstract—**Performance is one of the most important structures discussed in management research. The purpose of the present research was to investigate the effect of government support on innovation ability. The research method of the present study was applied in terms of purpose and descriptive-survey in terms of data collection. The statistical population of the research was the managers of small and medium-sized companies in Tehran's industrial estates. The reliability of the questionnaires has been confirmed through Cronbach's alpha And to analyze data and research hypotheses, structural equation modeling with PLS has been used. The results of the research have shown that government support has an effect on the ability to innovate.**

Keywords—Government support, Communication, Initiative ability

1. Introduction

One of the problems in small and medium-sized companies in industrial towns is lack of proper performance review due to many issues and factors such as manpower mistakes, lack of expert manpower in the field of evaluation, lack of budget allocation, lack of recognition of correct and accurate performance by stakeholders. They are in these towns. Because the process of performance evaluation includes a set of activities and actions with a specific logical and purposeful sequence and order. In the performance evaluation process, any model that is chosen must follow the steps and order. On the other hand, any effort that is made to achieve success must have a framework, which may be lacking or absent in industrial cities. And evaluating the performance of small and medium-sized companies in industrial cities is done slowly or not at all. And if it is done, maybe sometimes it is not done correctly. Also, experts and researchers believe that performance evaluation is a main issue in all organizational analysis And it is difficult to imagine an organization that does not include performance evaluation and measurement. The central theme in all organizational analysis is performance, and its improvement requires measurement and Therefore, an organization without a performance evaluation system is unthinkable.

2- Research goal

Explaining the effect of communication on learning ability.

2-1- Research question

Does communication affect learning ability?

2-2- Research hypothesis

Communication affects the ability to learn. Research Methodology

This research, based on the purpose, is developmental-applicative and descriptive, and based on the time of data collection, it is a survey, and it is cross-sectional in terms of time.

3- A Review of Research History

Taghipour et al.[1], studied Risk analysis in the management of urban construction projects from the perspective of the employer and the contractor.

Mahboobi et al.[2], discussed Assessing Ergonomic Risk Factors Using Combined Data Envelopment Analysis and Conventional Methods for an Auto Parts Manufacturer. occupational injuries are currently a major contributor to job loss around the world.

Taghipour et al.[3], studied The Impact of ICT on Knowledge Sharing Obstacles in Knowledge Management Process (Including Case-Study).

Khalilpour et al.[4], studied The Impact of Accountant's Ethical Approaches on the Disclosure Quality of Corporate Social Responsibility Information an Islamic in Iran.

Mirzaie et al.[5], studied The Relationship Between Social Bearing Capacities with Conflict as a Result, in the Perception of the Visiting Historical Sites

Alamdar khoolaki et al.[6], studied Taghipour et al.[8], studied Effect of integrated marketing communication on brand value with the role of agencys reputation (including case study).

Taghipouret al.[7], studied A Survey of BPL Technology and Feasibility of Its Application in Iran (Gilan Province).

Seddigh Marvasti et al.[8], studied Assessing the Effect of the FRP System on Compressive and Shear Bending Strength of Concrete Elements.

Jalili et al.[9], studied Utopia is considered to be the physical form of an ideal human society where the goals are met.

Taghipour et al.[10], studied Insurance Performance Evaluation Using BSC-AHP Combined Technique.

Rezvani Befrouie A et al. [11], discussed the design of high-rise building with ecological approach in Iran (Alborz Province).

Taghipour et al.[12], studied The identification and prioritization of effective indices on optimal implementation of customer relationship management using TOPSIS, AHP methods.

Taghipour & Yazdi.[13], studied Seismic Analysis (Non-Linear Static Analysis (Pushover) and Nonlinear Dynamic) on Cable-Stayed Bridge.

Taghipour et al.[14], studied ” Investigating the Relationship between Competitive Strategies and Corporates Performance (Case Study: Parsian Banks of Tehran)”.

Taghipour & Moosavi.[15], studied A look at Gas Turbine Vibration Condition Monitoring in Region 3 of Gas Transmission Operation.

Rahmani et al.[16], studied Providing Health, Safety and Environmental Management (HSE) program in Metal Mining Industry (Including Case study).

Taghipour and Vaezi.[17], studied Safe Power Outlet.

Tarverdizadehet al.[18], studied Predicting students' academic achievement based on emotional intelligence, personality and demographic characteristics, attitudes toward education and career prospects through the mediation of academic resilience.Scientific Journal of Education Research, 2021, Vol. 16, Issue 65, pp.171-186.

Azarian and Taghipour .[19], studied The Impact of Implementing Inclusive Quality Management on Organizational Trust (Case Study: Educatin).

Ghadamzan Jalali et al.[20], studied Explain the Relationship Between Intellectual Capital, Organizational Learning and Employee Performance of Parsian Bank Branches in Gilan province.

Mohammadi et al.[21], studied Investigating the role and impact of using ICT tools on evaluating the performance of service organizations.

Moradi Lalekaei et al.[22], studied Measurement of the country of origin of the brand of branding and brand loyalty.

Dalir Digehsara and Taghipour .[23], studied Iconographic study of geometric ornaments of Islamic architecture in Iran.

Taghipour et al.[24], studied Investigating the Effect of Intelligent Ordnance on the Level of Learning / Teaching (Including Case Study).

Taghipour et al.[25], studied Entrepreneurial Marketing Forecasting through Strategic Planning (Case Study: Bank).

Taghipour et al.[26], studied The Study of the Effect of Smart Schools on the Level of Learning-Teaching in High School.

Taghipour et al.[27], studied The impact of motives from obtaining ISO 9001 certification on organization performance (including Case Study).

Ganjali et al.[28], studied Examining the relationship between environmental awareness and the level of education and occupation of people.

Taghipour et al.[29], studied The impact of managerial factors on increasing the productivity of low-level employees (Including case study).

Yaghoubi et al.[30], studied Students Learn and Learn Using the Effects of Smart Schools.

Taghipour et al.[31], studied he Impact of Working Capital Management on the Performance of Firms Listed in Stock Exchange (FDR).

Taghipour et al.[32], studied A look at gas turbine vibration condition monitoring in region 3 of gas transmission operation.

Jedinia et al.[33], studied The Effect of Capital Management on the Performance of Companies in the Stock Exchange (SG).

Taghipour et al.[34], studied The Effects of Intelligent Schools on Students Learning and Teaching (Including Case Study).

Abdi Hevelayi et al.[35], studied Predicting Entrepreneurial Marketing through Strategic Planning (Including Case Study).

Arsalani et al.[36], studied ”Investigating the Effect of Social Media Marketing Activities on Brand Awareness”.

Khorasani et al.[37], studied The Location of Industrial Complex Using Combined Model of Fuzzy Multiple Criteria Decision Making (Including Case - Study).

Hoseinpour et al.[38], studied The Problem Solving of Bi-objective Hybrid Production with the Possibility of Production Outsourcing through Imperialist Algorithm, NSGA-II, GAPSO Hybid Algorithms.

Safdarpouret al.[39], studied The Effect of Communication on Learning Ability (Including Case Study).

4- Demographic characteristics of the statistical sample

gender

The results of the distribution of the sample according to gender showed that 45 people (14.5%) are women and 266 people (85.5%) are men. Table and graph 1 show the results of this distribution. .

Table 1 Frequency distribution of sample people according to gender

Statistical indicators			
Cumulative frequency percentage	Frequency	Abundance	gender
14.5	14.5	45	Female
100.0	85.5	266	Man
	100.0	311	Total

Convergent validity and reliability

If the correlation between the scores of tests that measure a single trait is high, the questionnaire has convergent validity.The existence of this correlation is necessary to ensure that the test measures what it is supposed to measure. For convergent validity, average variance extraction (AVE) and composite validity (CR) are calculated. The following relations should be established:

$$CR>0.7 \quad CR>AVE \quad AVE>0.5$$

Table 2 Convergent validity and reliability table of the research variable

CR	AVE	Cronbach's alpha	Variable
0.916	0.738	0.869	Government support
0.936	0.829	0.897	Ability to innovate

According to the table, the average value of the extracted variance (AVE) is always greater than 0.5, so the convergent validity is also confirmed. Also, the value of composite validity (CR) is greater than AVE. Cronbach's alpha of all variables is greater than 0.9, therefore, the reliability of the variable is confirmed.

According to the results of the analysis of data collected with SPLS software, the results of Table 3 have been obtained regarding the hypothesis of the current research.

Table 3 results of the research hypothesis

Confirm/reject	The significance level	value t	direct impact	Path coefficient	assumptions		
confirmation	000/0	410/16	742/0	207/0	Ability to innovate	->	Government support
confirmation	000/0	604/6	186/0	344/0	Ability to learn	->	Government support

5- Inferential statistics

Government support has an effect on the ability to innovate.

The effect of government support on the ability to innovate is equal to the value of t=16.410, and Pvalue ≤ 0.000 for this variable is confirmed at the 95% confidence level. (because in the matrix of t statistics, numbers higher than 1.96 at the 0.05 level and higher than 2.58 at the 0.01 level are significant), Therefore, the null hypothesis that the government support has no effect on the ability to innovate is rejected and the research hypothesis that the effect of government support on the ability to innovate is confirmed. Also, with the value of the path coefficient for innovation capability being 0.207, the effect of government support on innovation capability is positive, in other words, with the increase of government support, innovation capability also increases. The effect size in the current hypothesis is equal to 0.742, which indicates a strong effect size, and the data in the current hypothesis are consistent and consistent.

6-The results of hypothesis analysis

The results of the analysis of the research hypothesis have shown that government support has an effect on the ability to innovate. The interpretation of this hypothesis can be stated by the dependence of companies, especially small and medium-sized companies, on government support, as it has been said that without government support for these companies, companies cannot compete with environmental turbulence, rival companies, import and foreign markets, because they alone cannot To handle the financial, economic, social and cultural issues of the target market. In other words, government support should be on all of the above, i.e. financial, economic, social and cultural. With this type of support, companies can have free time to think about issues such as initiative and innovation. The result of the present research is in line with the results

of the research of Yazdi and Maliki (2018) regarding the effect of government support on learning. They have also shown in their research that different government agencies can follow the policies of technology transfer, innovation development and learning together in the form of their government procurement policy. Also, the research of Bagheri Moghadam et al. (2016), Nowrozi et al. (2015), Akbarzadeh and Shafizadeh (2011) is consistent.

7- Offers

According to the results of the research hypothesis, the following suggestions are presented:

- Regarding the research hypothesis

• Using government support created to raise the organization's innovation level,

• Using government licenses to increase efficiency by using action and innovation.

8-Conflicts of Interest

The authors declare that there is no conflict of interest regarding the publication of this article.

9-Funding

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