

Studying on the Relation between Moods of Self-Efficacy with Entrepreneurship on the Students of Roudehen Islamic Azad University

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ABSTRACT

This article is adapted from research with the title “ Studying on the relationship between moods of self-efficacy with entrepreneurship on the students of Roudehen Islamic Azad University in years 2011-2012 and its overall and main goal was determining the relationship between moods of self-efficacy with entrepreneurship on the students of Roudehen Islamic Azad University and its minor goals were determining the relation between self-efficacy with interpersonal , individual, practical skills and critical thinking skills of students.

Researchers in order to achieve their goals selected the statistical population of research from all students of Roudehen Islamic Azad University, including 20000 persons who were studied in years 2011-2012. Sample amount was chosen 300 persons according to kerjy & Morgan content table and random & discrete categorized. In this paper is used of two standard questionnaires, self-efficacy questionnaire “Sherer”and entrepreneurial skills questionnaire” Shafizadeh and Pardakhtchi, 2006”. Each of these questionnaires again were surveyed by 10 experts and the reliability of each of them measured by Cronbach's alpha that respectively the credit of general self-efficacy questionnaire is 0.83 and entrepreneurial skills questionnaire is 0.81.The collected data from questionnaires analyzed by descriptive statistics methods including frequency distribution tables, percent, mean , standard deviation and skewness and kurtosis coefficient coefficient and inferential statistics including test of Pearson correlation coefficient and the test of multiple linear regression was analyzed by SPSS software. The results showed that in students' opinion of Roudehen Islamic Azad University there is relationship between moods of self-efficacy and personal, interpersonal, practical skills and their Critical Thinking Skills.

KEY WORDS: Self efficacy. Entrepreneurship. Students.

INTRODUCTION

In the present world, as the rate of changing increases the complexity of the issues that people are facing with them, increase. The approach of most countries in recent decades about development and entrepreneurship lead to creation of entrepreneurship development policies in world. In the past three decades different countries were used of some solutions to overcome various problems of economic and social which are including, development of entrepreneurship culture, providing the required atmosphere to support the entrepreneurs, providing the needed training for them and doing researches about this field. Thinking about economic situation and development process and development in developing countries which attention to entrepreneurship , indicates that these countries have been able to achieve significant progress in various fields of economic and social fields or at least could solve the occurred crises and can control the crises that maybe occur in the future(Gaoujani and Kalami,2005.Page:579). Entrepreneurship has been studied from different perspectives by many researchers and scientists and the mid-twentieth century the psychologists also based on a psychological approach analyzed personality characteristics of entrepreneurs in order to identify influence variables in process of their character formation. Psychologists studies on this subject suggest that needing to progress located at the highest level among other social needs of entrepreneurs and generally entrepreneurs have higher self-efficacy moods so this lead to emergence of behavioral efficiency like creativity, innovation,... consequently cause the formation of specific values and attitudes on these people that it can lead to optimal planning for teaching applied mechanisms about development and strengthen the behavioral patterns of entrepreneurs(Tabatabaei & Ahmadi,2005.Page:361). Entrepreneurship means the formation process of production added- value 's ideas through production of goods, services or any economic output that provide creativity, intellectual creativity, exploring opportunities , practical initiative, perseverance and hard working (Pour daryani ,1999). Entrepreneurial skills include interpersonal, personal, practical skills and critical and creative thinking skills (Pardakhtchi and Shafi zadeh,2006).Also the main characteristics of entrepreneurs are

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success or seeking for it, belief in God, willing to risk taking, needing for independence, creativity, tolerance of ambiguity, imagination, to be efficient, growth, pattern recognition, cooperation, self-esteem, self-management and totally the moods of self-efficacy which can be influence in process of individual's entrepreneurship or persons in a organizations and etc and impact on entrepreneurship process. Interpersonal skills are like conversations and influence on others, collaboration, understanding the different cultures, good listening,... individual skills such as, risk skills facing with failure, forethought, managing the changes and dealing with procrastination... and practical skills such as writing skill, using of update technology, marketing, setting up the business, working independently and creative thinking skills like decision-making, planning, identifying opportunities and totally critical thinking and... (Pardakhtchi and Shafizadeh, 2006). Self-efficacy is defined as people's beliefs about their talents for producing whatever that is effective (Bandore, 1994).

The belief of self-efficacy helps people till determine what is their feelings, how they think, how should motivate themselves and how should behave. According to the above documentation and according to the importance of students' self-efficacy moods in creation of their entrepreneurship also the role of entrepreneurship in creating jobs and community's comprehensive development, researcher tries to test the following hypotheses with doing the present paper as scientific method;

The main hypothesis

There is relationship between the moods of self-efficacy with entrepreneurship on the students of Roudehen Islamic Azad University

Subsidiary hypotheses

1. There is relationship between the moods of self-efficacy with interpersonal skill of Roudehen Islamic Azad University

2. There is relationship between the moods of self-efficacy with students' personal skill of Roudehen Islamic Azad University

3. There is relationship between the moods of self-efficacy with their practical skill of Roudehen Islamic Azad University

4. There is relationship between the moods of self-Efficacy with Critical and creative thinking skill of Roudehen Islamic Azad University

5. There is relationship between the moods of self-efficacy with their dimensions of entrepreneurship skill of Roudehen Islamic Azad University

In this regard, it was necessary to refer to some important matters:

Arshid, 1997 in a study has concluded that successful entrepreneurs are with internal locus of control, means they relate successfully to some factors like their individual efforts and abilities it means that in comparison with other people have higher self-efficacy spirit.

Azizi, 2004 in studying about incidence and development of entrepreneurship on Bachelor and Master Students in Shahid Beheshti University concluded that there is significant relationship between variables of belief in internal control, progress motivation, risk-taking, independency and creativity of students with their entrepreneurship. He believes students with entrepreneurial skills are using of new solutions for solving their problems and if do not be successful in doing a job, again they will try.

Pedari and et al, 2005 in "studying on students' entrepreneurial potential of Isfahan University" concluded that the risk score of non-entrepreneurs is lower than the score's average. Also all students believed that University education is effective in development of entrepreneurial characteristics on students.

shllen berger, 1968 believes that entrepreneurs are like characteristics such as courageous, risk-taking and words such as consistency, conservatism also said that routinisation is opposite of entrepreneurship and finally believes that there is Relation and understanding between the moods of self -efficacy and dimensions of entrepreneurship and whatever the level of self- efficacy and motivation and enthusiasm are low in people then will affect on entrepreneurship.

Jackobutiz, 1980 believes that entrepreneurs are born and points out that anyone are in a position that some situations provide for entrepreneurial training, will be as entrepreneur. On the other hand Tolentino 2000 believes that entrepreneurs are grown.

Hournadi, 1982 explained the main characteristics of entrepreneurs such as confidence, self- efficacy, creativity and motivation for progressing. The importance of this research is providing tools and participants for identifying the characteristics of entrepreneurs and low compliance about entrepreneurship from the perspective of psychology so this paper can be the basis for future research in this area.

Ahmud,1985 in a research showed that entrepreneurs are persons with these factors such as internal control, willingness to take risks, creative expression, critical thinking, personal and practical skills and motivation for progressing.

Shine, 1994 believes that real entrepreneurs do the new jobs for innovation and creativity more than economic reasons. Also says there is significant relationship between self- efficacy and entrepreneurship of entrepreneurs and falling of each variable will affect the next variable and vice versa.

The methods of research

The present study is descriptive as kind of survey method and was used of Library and field method for collecting the data.

Population, sample and sampling method

The population of present paper includes all students of Roudehen Islamic Azad University contains 20000 persons in year 2011-2012 .Considering the population volume with using of kerjisy & Morgan content table and random & discrete categorixed, 300 persons were selected as sample.

Research Tools

In order to studying on relation between moods of self-efficacy with entrepreneurship on the students of Roudehen Islamic Azad University has been used of two standard questionnaires as follows:

A.Sherer’s self-efficacy questionnaire

The way of general self efficacy questionnaire’s grading is such way that each item is rated from one to five and totally this questionnaire consists of 17 items and total scores higher than 51 have low self-efficacy.

B. Questionnaire of entrepreneurship skills

In this part classification contains four subscales interpersonal, personal, practical, critical and creative thinking skills have been selected because of a more comprehensive and then is considered subsets for each subscale. Each of the considering subscales is described in the following table in terms of questionnaire:

Classification of items	Items
Subsets of interpersonal skills	1 to 5
Subsets of personal skills	6 to 10
Subsets of practical skills	11 to 15
Subsets of creative thinking skills	16 to 20

Totally this questionnaire contained 20 items with 4 options including never, rarely, often, always that respectively from left to right is accounted numbers 1,2,3,4.The obtained minimum score is 20 and maximum is 80(Pardakhtchi and Shafizadeh,2006).For analyzing the data is used of descriptive statistics included frequency distribution tables, percent, median, mode, mean, standard deviation, variance, skewness and kurtosis coefficient, and inferential statistics included Pearson’s correlation coefficient and the test of multiple linear regression were analyzed by SPSS software.

Research findings

The main hypothesis

There is relationship between moods of self-efficacy with students’ entrepreneurship skill of Roudehen Islamic Azad University

To test this hypothesis, the Pearson correlation coefficient was used as follows:

	The moods of self-Efficacy	Entrepreneurship skill
The moods of self-efficacy	Correlation	1
	Significance level	0.000
	Number	300
Entrepreneurship skill	Correlation	0.605
	Significance level	0.000
	Number	300

According to table 1 can be seen that the moods of self-efficacy is in relation with entrepreneurship skill about 0.605.On the other hand according to the amount of significance level which is smaller than 0.05 can conclude that

the above relationship is significant. In other words, can conclude that there is relationship between the moods of self-efficacy and entrepreneurship skill in students' opinion of Roudehen Islamic Azad University

The first sub-hypothesis: There is relationship between the moods of self-efficacy and interpersonal skill of students of Roudehen Islamic Azad University

Table2: Pearson's correlation test

		The moods of self-efficacy	Interpersonal skill
The moods of self-efficacy	Correlation	1	0.516
	Significance level		0.000
	Number	300	300
Interpersonal skill	Correlation	0.516	1
	Significance level	0.000	
	Number	300	300

According to table 2 can be seen that the moods of self-efficacy is in relation with interpersonal skill about 0.516 on the other hand according to the amount of significance level which is smaller than 0.05 can conclude that the above relationship is significant. In other words, can conclude that there is relationship between the moods of self-efficacy and interpersonal skill in students' opinion of Roudehen Islamic Azad University

The second sub-hypothesis: There is relationship between the students' moods of self-efficacy and personal skill of Roudehen Islamic Azad University

Table 3: Pearson's correlation coefficient test

		The moods of self-efficacy	personal skill
The moods of self-efficacy	Correlation	1	0.545
	Significance level		0.000
	Number	300	300
personal skill	Correlation	0.545	1
	Significance level	0.000	
	Number	300	300

According to table 3 can be seen that the moods of self-efficacy is in relation with personal skill about 0.545 on the other hand according to the amount of significance level which is smaller than 0.05 can conclude that the above relationship is significant. In other words, can conclude that there is relationship between the moods of self-efficacy and personal skill in students' opinion of Roudehen Islamic Azad University

The third sub-hypothesis: There is relationship between the student's moods of self-efficacy and practical skill of Roudehen Islamic Azad University

Table 4: Pearson's correlation coefficient test

		The moods of self-efficacy	practical skill
The moods of self-efficacy	Correlation	1	0.425
	Significance level		0.000
	Number	300	300
practical skill	Correlation	0.425	1
	Significance level	0.000	
	Number	300	300

According to table 4 can be seen that the moods of self-efficacy is in relation with practical skill about 0.425 on the other hand according to the amount of significance level which is smaller than 0.05 can conclude that there is relationship between the moods of self-efficacy and practical skill in students' opinion of Roudehen Islamic Azad University

The fourth sub-hypothesis: There is relationship between the moods of self-efficacy and critical thinking skill of students of Roudehen Islamic Azad University

Table5: Pearson's correlation coefficient test

		The moods of self-efficacy	Critical thinking skill
The correlation moods of self-efficacy	Correlation	1	0.492
	Significance level		0.000
	Number	300	300
Critical thinking skill	Correlation	0.492	1
	Significance level	0.000	
	Number	300	300

According to table 5 can be seen that the moods of self-efficacy is in relation with critical thinking skill about 0.492 on the other hand according to the amount of significance level which is smaller than 0.05 can conclude that the above relationship is significant. In other words, can conclude that there is relationship between the moods of self-efficacy and critical thinking skill in students' opinion of Roudehen Islamic Azad University

The fifth sub-hypothesis: There is relationship between the moods of self-efficacy and dimensions of entrepreneurial skill of students of Roudehen Islamic Azad University

To test the above hypothesis, multiple linear Regression was used as below:

Table 6: A summary of statistical indicators

Model	The multiple correlation coefficient (R)	The determination coefficient (R)	multiple multiple determination coefficient of adjusted	Standard deviation of multiple determination coefficient
Dimensions of entrepreneurship skill	0.615	0.378	0.369	6.345

According to data in this table and the amount of calculated R can be concluded that dimensions of entrepreneurship skill is in relation with the moods of self-efficacy about 0.615. Also according to the calculated R for variables argued that dimensions of entrepreneurship skill explains almost 38% changing of students' moods of self-efficacy who are studied in Roudehen Islamic Azad University

Table7: One way ANOVA

Model	Sum of squares	Degrees of freedom	Mean-square	F	Significance level
Regression	7209.556	4	1802.389	44.768	0.000
Residual	11876.99	259	40.261		
	19086.55	299			

According to Table and the amount of significance level which is 0.000, smaller than 0.05 can conclude that there is relationship between dimensions of entrepreneurial skill and the moods of self- efficacy statistically in students' opinion of Islamic Roudehen Islamic Azad University.

Table8: Related coefficients

Model	Coefficients	Non-standard	Standardized coefficients	T	Significant level
	B	Error of standard deviation	β		
Constant amount	70.005	1.853		38.860	0.000
Interpersonal skills	0.516	0.154	0.214	3.353	0.001
Personal skills	0.599	0.162	0.253	3.686	0.000
Practical skills	0.113	0.150	0.046	0.0748	0.455
Critical Skills	0.520	0.140	0.224	3.728	0.000

According to the table and the amount of β for entered variables to regression can be seen that interpersonal skills “0.214”, personal skills “0.253”, critical Skills “0.046” and critical skills “0.224” have relationship with the moods of self- efficacy. On the other hand, according to significant level which is smaller than 0.05 about three dimensions of interpersonal, personal, critical thinking skills can be concluded that above relations are significant with the moods of self-efficacy statistically. According to the positivity of relations can be concluded that with increasing of interpersonal, personal, critical thinking skills then the moods of self- efficacy will increase as same amount among students. So hypothesis of research confirmed and the null hypothesis is rejected. In other words, can be concluded there is relationship between the moods of self-efficacy and dimensions of entrepreneurial skills in students' opinion of Roudehen Islamic Azad University. Thus it can be concluded that the moods self-efficacy is:

The self-efficacy moods = Interpersonal skill “0.214” + personal skills “0.253”+ Practical skill “0.046” +critical thinking skill “0.224” + “70.0005”

Conclusion

Based on descriptive statistics and the results can be discussed the following matters.

Table1: Comparison of students' self- efficacy according to the average of their opinions.

They are sure about doing something that they want to do it	They cannot be facing with most problems in life
When they realize that the work they are doing it, is wrong then they will leave it	They become submission simply
Rely on himself	Have confidence in their ability to do the jobs
If they cannot do a work then will try again till do it	
When they decide to do a work then will focus on it seriously and carefully	

These findings are same as the findings of below researchers. Adams 2005, Ahmud 1985, Maghsodi 2005, Mahbobi2007, so on.

Table2: Comparison of students' entrepreneurial skills according to their opinions

They search before accepting the data	Do not remember the details of the conversation
Usually, their plans are perfect.	Usually do not use of computer for doing the jobs
They want to do the works with new ways	
If they fail in doing a job, will try again	

These findings are same as the findings of below researchers

Pedari and et al 2005, Azizi 2004, V Langford 2010, Hournadi 1982, Stephens 2001, so on. According to the inferential analysis of data in answering to the main hypothesis so the findings of present study showed that there is relationship between students' moods of self- efficacy and entrepreneurship, that these findings are same as findings of Arshid1997, Azizi 2004, Shine 1994, Berger 2000, Greene and Crick 1998, Hournadi 1982 and other researchers.

In answering the first sub-hypothesis, the findings of present study show that there is relationship between students' self- efficacy and interpersonal skill that these findings are same as findings of Ve Langford 2010, Stephens 2001. In answering the third sub-hypothesis the findings of present study show that there is relationship between students' self- efficacy and practical skill which these findings are same as findings of Stephens ,Rosenberg and et al 2001. In answering the fourth sub-hypothesis the findings of present study show that there is relationship between students' self- efficacy and critical thinking skill that these findings are same as findings of Ahmud1985, Hournadi 1982, Azizi2004, Maghsodi 2005, so on. In answering the fifth sub-hypothesis, the findings of present study showed that there is relationship between students' self- efficacy and dimensions of entrepreneurial skill that these findings are same as findings of Shine1994, Berger1968, Greene and Crick 1998.

So according to the findings of research and its comparison with other researches'' findings offers the following practical suggestions to the officials of Roudehen Islamic Azad University.

New expectations of universities require that, universities have important role about country's economic and social development and this matter just occur through capitalization on the university's creative forces and entrepreneurs, so based on finding of this paper "relation between students' self-efficacy and entrepreneurial skills " suggest to education authorities with careful planning and investment be identified in this area, should provide necessary and sufficient conditions for obtaining their entrepreneurial skill.

Based on finding of this paper" relation between students' self-efficacy and entrepreneurship" suggested that universities try to increase the students' self- efficacy moods with implementation of some programs.

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