

Vol 04 issue 06 Category: Research Received on:19/01/12 Revised on:28/01/12 Accepted on:10/02/12

# COMPARISON OF MOTIVATIONAL BELIEFS IN SELF-REGULATION LEARNING BETWEEN INTELLIGENT, LEARNING-DISABLED AND NORMAL STUDENTS IN PRIMARY SCHOOL IN RASHT

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# ABSTRACT

An insight into people trend toward academic activities plays an important role in psychology and pedagogy. The aims of this study to compare self-regulation learning among normal, intelligent, and learning-disabled children, so 76 intelligent students, 77 normal students, and 49 learning-disabled students in 12-10 age range were randomly selected from schools in Rasht. Two different forms of academic self-regulation learning questionnaire (SQR) Ryan & Connell (1989) were used to collect data via 4 methods i.e. external regulation, introjections, identification, internal regulation. Statistical analysis show that in external regulation method, the learning-disabled children got higher grads than the normal and intelligent ones. In introjections and identification method, intelligent children had better averages than normal and learning-disabled ones, while in internal regulation method, there was no significant difference between intelligent and normal students, whereas these two groups were significantly different form the learning-disabled ones (p<0.01). It is mention worthy that the results were testified in two i.e. control regulation and autonomy methods. Moreover, multi-variable regression statistical analysis shows that among demographic variables, father's job and mother's education degree have positive and meaningful predictability.

**Keywords:** Motivational Beliefs, Self Regulated Learning, Learning Disability

## **INTRODUCTION**

Research and reflection on causes of people engagement to academic and scholastic activities have a special position in psychology and instruction and training instrumental and non-instrumental reasons people often present about educational affairs have been studied as a motivational beliefs (Nicholls 1984, Rotter 1966, Connell & Wellborn 1991).

Several theories and views have studied and analyzed motivational beliefs. Also emphasis is placed on individual merits, expectation of success and failure and consequences control in self-efficiency theory of Bandura (1997) and control theories such as locus of control. (Rotter 1966, Crandall, et al. 1965, Connell & Wellborn 1999). In other groups of theories, such as intrinsic motivation theory (Nicholls 1984, Heyman & Dweck 1992) and self determination theory (Deci & Ryan 1985, Cameron & pierce 1994), people's reasons in engagement to scientific duties are studied. In other words, in this group of views, goals and values of duties are considered by presenting the main question of "why", in the third group of views. value and expectation are combination considered as a in motivational beliefs. (Eccles 2008, Graham 2009, vainer, 2005), and finally theories also analyzed and study two elements of motivation and knowledge (Pentrich et al. 1993, Schunk & Zimmerman 2004; Bouakaterz, 1999). Thing that increases the motivational beliefs' importance in educational scopes is the relation of these beliefs with self regulated learning. Researchers and experts have stated several definitions to this type of learning such as Zimmerman & Martinez Pons (2010) who define self-regulation as a process during which learner considers learning as a regular and controllable process and is responsible for his educational consequences such as students participate in learning processes from an ultracognitive, motivational and behavioral view points actively. Other group of psychologists believes that self regulated learning. Is an individual's ability to behave based on change of internal and external conditions and includes self-executed processes in planning, execution and guidance of actions (Schunk 2005, Pintrich 2009). According to Bandura (1997), selfregulation is a use of abilities and efficiencies of self-guidance, self-control self-governing. and Accordingly, mentioned capabilities are influenced by individuals' belief about self-efficiency in different activities and behaviors. A common point of the above mentioned definitions is existence of three elements of knowledge, ultra-cognition and motivation in the self-regulation process. (Pintrich & Groot, 2010) that several views are existed in relation to each of the mentioned elements. As definitions are obvious, motivational beliefs have an important and fundamental role in self-regulated learning. One of the best theories that have been presented in this regard is a self determination theory (Chandler & Connell

1987; Deci & Ryan 1985; Ryan & Connell 1989).

These researchers have explained their theories based on the concept of "Perceived locus control" of Hayder that differentiates between personal causality (that is behaviors based on internal motivation) and impersonal causality (actions based on environmental elements). In Deci & Ryan (1985) theory, the most important issue is principle of "internalization" through which individuals transform external guiding reasons of actions to internal reasons. Two general dimensions of this internalization is "autonomy" that is described as regulatory styles in an appendix (Ryan & Lynch 1989; Deci & Ryan 1985; Deci & et al. 1992; Ryan & Connell 1989).

Ryan & et al. believe that individuals have four regulatory style in educational activities, in case educational behaviors are done based on external elements such as reward, threat and punishment, it is representative of external regulation. Although in introjected regulation style, individuals' reasons in educational activities are internal, external elements' pressure through threat of self-idea, anxiety and sense of guilt forces individual to act. When an individual do an action based on internal self-values has a identification regulation in which external motivations have been internalized in an individual values system. In other words, an individual do actions that are important to him in person. And finally when an individual do an action without considering consequence of a behavior, merely to take internal pleasure, excitement and eagerness has internal regulation style. The present study has been done along with a comparison of motivational beliefs in a self-regulated learning among students of intelligent schools, normal schools and learning students with learning disabilities mentioned regulation styles by Ryan et al. (2008). Several researches have compared motivational bases of behaviors of intelligent, normal and learning disabled children under titles of locus of control, self-concept, community friendly practices, compatibility self-efficiency beliefs and etc. Wide group of researches shows that intelligent children have internal motivational bases for educational affairs than normal children. Janos & Robinson (2005) believe that in intelligent children being good, paying attention to other's well-being, and doing internally form faster than normal children. Alborzi and Mazidi (2009) found that intelligent children have internal locus of control and normal children have external locus of control. Chalpianlo and Hasani (2009) also gained the same result. Razaviye and Alborzi (2003) in comparison of community friendly practices between intelligent and normal children found that intelligent children have more internal motivations in occurring community friendly practices than their peer normal children. In other words, they are less influenced by environment elements. Alborizi and (Joukar) (2006) obtained the same by comparison of religious beliefs of the intelligent and normal children. Kelanki (1992) believes that intelligent children are superior than their normal coequals in respect of attributes of thought, self criticism. collaboration. social responsibility and reasoning. Karnes, McGinnis & Christopher (1996) also obtained the same results. Of course there are researchers that believe there isn't any difference between intelligent and normal children in respect of the mentioned attributes (Gilligan, 1982; Gilligan, Lyons and Hanmer, 1989). But generally put, most of the mentioned researches show that intelligent children are more internal than normal children. In other words, they after behave according to their internal motivations. Other group of researches have compared learning disabled children with normal and intelligent children. Results show that disabled children have external motivational bases in doing their homework than intelligent and normal children, and this causes more stress and anxiety. Accordingly, in the present research with respect to the pattern of motivational beliefs of Ryan and et al. (2008), intelligent, normal and learning disabled students were compared in four style of external, introjected, identification and internal regulations and two styles of autonomy and control. It is worth mentioning that autonomy regulation style is a combination of identification and internal regulations and control regulation is a combination of external regulation and introjected regulation. The purpose of this study is to answer the following questions:

1) Is there a meaningful difference among intelligent, normal and learning disabled children in the external, introjected, identification and internal regulations according to gender and educational conditions (intelligent, normal, learning disabled)?

2) Is there a meaningful difference among intelligent, normal and learning disabled children in two styles of control regulation and autonomy according to gender and educational conditions (intelligent, normal, learning disabled)?

In addition to the above-mentioned questions, the following question is also studied in the present research:

Which of these variables of age, father's educations, mother's educations, father's job, and mother's job is a better predictor of "relative autonomy indicator"?

#### **RESEARCH METHOD**

Research society and sample: understudied society in this research included all of the elementary students of intelligent, normal and learning disabled student's schools in educational year of (2010-11) in Rasht. Selection of Normal students was done by random-cluster sampling. That is, among four educational regions in Rasht, first region one was selected as a reference region based on the opinion of primary school expert of educational organization. Then among all girl's and boy's schools of the region, one girl's and one boy's school were selected randomly of each school one grade-five

class was placed randomly in a sample group and finally the sample included 77 male and female students was studied. Also of students who were accepted in an entrance exam of the intelligent, 76 intelligent male and female students were place in the sample group randomly. In addition to this, 49 disabled students in grade five were referred to the exceptional education center of educational organization, were also studied. Finally, 202 students, in age range of 10 to 12 (with the average of 11 years and standard deviation of 0.52) were studied. Demographic characteristics of the subjects are shown in table 1.

Educational condition	gender	number	Total sum
Normal	Female	40	77
Normal	Male	37	11
Intelligent	Female	40	76
	Male	36	76
T	Female	17	40
Learning disabled	Male	32	49
Total sum		202	202

Table 1: Demographic characteristic of understudied sample group	
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### **Research tools**

1) Academic self-regulation questionnaire (SRQ-A): This questionnaire was prepared by Ryan and Connell (1989) to evaluate motivational beliefs of primary and guidance school children in educational affair, and includes four styles of external, introjected, identification and internal regulation. Each regulation style is evaluated on the basis of four types of activity (reasons to do homework, reasons to have a good behavior at school, reasons to do class activities, reasons to answer the questions in a class) by eight questions. This scale questions are as a four-degree range (completely right = 4 to completely wrong = 1). Additionally, to being informed of personal and familial specifications of a subject such as age, gender, father's and mother's education and etc., these information were asked beginning of a questionnaire.

Academic self regulation questionnaire has three different forms. One from is specific to the adults and the second form is particular to children in primary and guidance school levels, and the third one is specific to the disabled children. In the present research, special forms for normal children and learning disabled children have been used. It is worth mentioning that compilers in the first form of the mentioned questionnaire questioned seven activities but mentioning four activities has a better psychometry.

ValidityandReliabilityofaquestionnaire:Validityandreliabilityof

the questionnaire were obtained by Alborzi and Razaviye (2003). If its validity is obtained based on the factor analysis and correlation with the same tests such as: religions self regulation questionnaire (SRQ-R), friendship self regulation questionnaire (SRQ-F) and communityfriendly practices self regulation questionnaire and academic average. reliability results of the questionnaire obtained by retest methods an Cronbach's alpha are indicative of reliability of SRO-A.

Results show efficiency and adequacy of this scale to be used in Iranian culture. It is mentionable that SRQ-A questionnaire was used to calculate statistical "relative autonomy" index (RAI). By the use of calculation formula of relative autonomy index (2 X Intrinsic + Identified -Introjected – 2 X External), a number is obtained that is indicator of quality of condition undivided based on the regulation style. Negative score shows control regulation and positive score shows autonomy regulation style.

2) SQR-A specific to children with learning disabilities: The mentioned questionnaire was prepared by Deci, Hadge, Pearson and Tomasoun (1992) for children with learning disabilities. Test makers believe that the useable form of normal children is difficult for children with learning disabilities. Thus, a more brief form was prepared included 17 questions that has the same characteristic as the main form and studies self regulated learning in four styles of external, introjected, identification and internal regulations. In this questionnaire, total score is calculated based on the statistical "Relative Autonomy Index" (RAI).

### RESULTS

# **Results are as the following:**

**A.** Research results in relation to frequency of types of the motivational beliefs in groups of intelligent and normal children and children with learning disabilities are as the following.

Table 2: Frequency results of types of motivational beliefs in the intelligent, normal and learning disabled children in the external, introjected, identification, internal and autonomy regulation styles

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Crown	Number	Exte	rnal	Introje	ected	Identif	ication	Inter	nal	Cont	rol	auton	omy
Group	Number	X	SD	Х	SD	Х	SD	Х	SD	Х	SD	Х	SD
Normal	77	11.35	2.3	11.04	1.9	7.10	1.71	6.75	1.1	22.35	3.6	13.85	2.2
Intelligent	76	8.86	1.8	12.63	3.3	8.38	1.46	6.53	1.8	21.5	4.5	14.92	2.6
Learning disabled	49	19.88	0.85	9.7	3.1	4.8	1.6	5.2	2.0	29.58	3.2	9.96	3.4

Results of the table show in normal children, external regulation style has the highest average and internal regulation style has the lowest average. That is, normal children have more external motivational beliefs in their educational affair. In the intelligent children, introjected regulation style has the highest average and internal regulation has the lowest average, and this shows that intelligent children have introjected motivational beliefs. And finally, in children with learning disabilities external regulation style also has the highest average and internal regulation has the lowest regulation. It is worth mentioning that results obtained in the control and autonomy regulation approve the results. **B.** To study whether there is a meaningful difference among intelligent, normal and disabled children in external, introjected, identification and internal regulation styles according to the gender, educational

conditions (intelligent, normal, learning disabled), 3- way ANOVA (Analysis of variance) 2 3 4 statistical method was used (table 4 and 5).

Table 3: Frequency, mean (average) and standard deviation of four external, introjected, identification and internal regulation styles based on gender and educational conditions (normal, intelligent, learning disabled)

Variable	Educational conditions	Gender	Number	Average	Standard deviation
External		Male	37	11.24	1.83
	normal	Female	40	10.77	1.98
		Total sum	77	11	1.91
		Male	36	9.05	1.62
	Intelligent	Female	40	8.7	1.97
	-	Total sum	76	8.86	1.81
	T	Male	32	19.81	1.04
	Learning disabled	Female	17	19.85	1.25
	disabled	Total sum	49	19.88	0.84
Introjected		Male	37	11.32	2.81
-	normal	Female	40	11.37	1.83
		Total sum	77	11.35	2.34
		Male	36	12.80	3.71
	Intelligent	Female	40	12.47	2.92
	-	Total sum	76	12.63	3.29
	<b>.</b> .	Male	32	10.52	3.04
	Learning	Female	17	8.12	2.75
	disabled	Total sum	49	9.7	3.14
Identification		Male	37	6.86	1.27
	normal	Female	40	7.25	2
		Total sum	77	7.06	1.69
		Male	36	8.58	1.46
	Intelligent	Female	40	8.2	1.47
	-	Total sum	76	8.38	1.47
	<b>.</b> .	Male	32	5.15	1.56
	Learning	Female	17	4.12	1.49
	disabled	Total sum	49	4.8	1.6
Internal		Male	37	6.65	1.25
	normal	Female	40	6.8	1.06
		Total sum	77	6.73	1.15
		Male	36	6.8	1.9
	Intelligent	Female	40	6.3	1.78
	-	Total sum	76	6.53	1.85
	T	Male	32	5.88	1.91
	Learning	Female	17	3.76	1.48
	disabled	Total sum	49	5.16	2.03

Variance source	Variable	Sum of	Degree of	Squares	F
		squares	Freedom	average	
Educational	External	361.722	2	180.861	**64.43
conditions	Introjected	311.565	2	155.782	**18.632
(intelligent,	Identification	398.080	2	199.040	**80.19
normal, learning disabled)	internal	115.685	2	57.843	**22.54
	External	2.125	1	2.125	0.75
Gender	Introjected	36.96	1	36.96	*4.42
	Identification	5.492	1	5.492	2.21
	internal	31.41	1	31.41	**12.24
Gender/	External	3.18	2	1.591	0567
	Introjected	45.63	2	22.817	2.73
educational	Identification	14.97	2	7.484	*3.01
conditions	internal	36.73	2	18.365	**7.15
	External	552.984	197	2.807	
T	Introjected	1647.104	197	8.361	
Intragroups	Identification	488.981	197	2.482	
	internal	505.445	197	2.566	
	External	4456.256	202		
Sum	Introjected	1973.567	202		
	Identification	894	202		
	internal	644.099	202		
** p < 0.01	* p < 0.05				

Table         4:         A         summary	of variance	analysis	of fo	ur styles	of	external,	introjected,
identification, internal ba	sed on gende	er and edu	cation	al			

\*\* p < 0.01 \* p < 0.05

Written results in table 3 and 4 show that the difference among mentioned regulation styles on the basis of gender and educational conditions is meaningful if:

1) In the external regulation style, there is a meaningful difference between intelligent, normal and learning disabled children based on the educational conditions (F =64.43, and P<0.01). Use of pursue test shows that the resulted difference is between children with learning disabilities and normal ones, children with learning disabilities and intelligent ones, intelligent and normal children (average of children with learning disability= 19.88, average of normal children = 11, and average of the intelligent children = 8.86). In other words, children with learning disabilities have more external regulation that two other groups.

**2)** In the introjected regulation style, there is a meaningful difference between intelligent, normal and learning disabled

children based on the educational conditions (p<0.01, F=18.632) and gender (p<0.05, F=4.45). Pursue test shows that intelligent children have higher mark than normal and normal children have higher mark than children with learning disabilities. (average of intelligent children = 12.62, average of normal children = 11.35 and average of children with learning disabilities =9.7). In addition to this, available gender difference in a group of children with learning disability is to the interest of male children (male average=10.52 and female average=8.12). 3) In the identification regulation style, there is a meaningful difference between intelligent, normal and learning disabled children based on the educational conditions (p<0.01, F=80.19) and interaction of educational conditions and gender (p<0.05, F=3.01). Results of a pursue tukey's test shows that intelligent children have higher mark than normal children and normal children have higher mark than children with learning disability (average of intelligent children = 8.38, average of normal children= 7.06, and average of children with learning disability = 4.8). That is; intelligent children have higher marks than the other two groups in this regulation style.

**4)** In the internal regulation style; there is a meaningful difference between intelligent, normal and learning disabled children based on the educational conditions (p<0.01, F=22.544) and the gender (p<0.01, F=12.24) and interaction of educational conditions and gender (p<0.01, F=7.15). Results of a pursue tukey's test shows that the difference is based on the educational conditions between normal children and children with learning disability, and intelligent children and children with learning disability, but there is no meaningful difference between

normal and intelligent children. Available gender difference in a group of children with learning disabilities is to the interest of male children (male average = 5.88, female average=3.76). Meaningfulness of the interaction of gender and educational conditions also means that children regulation style depends on their gender and educational conditions.

C. By statistical method of 3-way variance analysis (3-way ANOVA)  $2 \times 3 \times 2$ , it was determined whether there is a meaningful difference among intelligent, normal and learning disabled children in two styles of control regulation (external regulation + introjected regulation) and autonomy regulation (identification regulation + internal regulation) according to gender and educational conditions (intelligent, normal and learning disabled)? Results of this analysis are presented in table 5 and 6.

Table 5: Frequency, average and standard deviation of four styles of external, introjected, identification and internal regulation based on gender and educational conditions (normal, intelligent, learning disabled)

Variable	Educational conditions	Gender	Number	Average	Standard deviation
Control		Male	37	22.57	3.76
regulation	normal	Female	40	22.15	3.43
		Total sum	77	22.35	3.58
		Male	36	21.86	4.88
	Intelligent	Female	40	21.17	4.30
		Total sum	76	21.5	4.57
	T	Male	32	30.33	3.18
	Learning	Female	17	28.12	2.76
	disabled	Total sum	49	29.58	3.20
Autonomy		Male	37	13.51	1.95
regulation	normal	Female	40	14.05	2.38
		Total sum	77	13.79	2.19
		Male	36	15.39	2.77
	Intelligent	Female	40	14.5	2.35
	-	Total sum	76	14.92	2.58
	T	Male	32	11.03	3.18
	Learning	Female	17	7.88	2.85
	disabled	Total sum	49	9.96	3.39

Variance source	Variable	Sum of	Degree of	Squares	$\mathbf{F}$
		squares	Freedom	average	
Educational	Control	1867.232	2	933.616	**61.86
conditions	Autonomy	885.248	2	442.624	**67.15
Gender	Control	56.815	1	56.815	*3.76
	Autonomy	63.179	1	63.179	**9.586
Gender/	Control	24.721	2	12.360	0.89
educational conditions	Autonomy	96.225	2	48.113	7.3
T	Control	2973.360	197	15.093	
Intragroups	Autonomy	1298.433	197	6.591	
	Control	5274.887	202		
sum	Autonomy	2206.099	202		
** P<0.01	* p<0.05				

Table 6: Sum of variance analysis of two control and autonomy regulation styles based on gender and educational conditions

Written results in table 6 and 7 show that there is a meaningful difference in the control and autonomy regulation styles based on gender, educational conditions and interaction of gender with educational conditions:

1) There is a meaningful difference between intelligent children and children with learning disabilities and between normal children and children with learning disabilities in the control regulation style, but there is no difference between intelligent and normal children (F=61.86, p<0.01). In other words, children with learning disabilities are more controlled than intelligent and normal children (average of children with learning disabilities=29.58, average of normal children=22.35 and average of intelligent children=21.5). According to gender, there is a difference between girls and boys in the group of children with learning disabilities to the interest of the boys (male average=30.33 and female average=28.12 with F=3.76 and p=0.05).

2) There is a meaningful difference in the autonomy regulation style among intelligent, normal and learning disabled children based on the educational conditions (F=67.15, p<0.01) and gender (F=9.586, p<0.01) and interaction of

gender and educational conditions (F=7.3, P < 0.01). Pursuit test shows that intelligent children have higher mark than normal children, and normal children have higher mark than children with learning disabilities (average of intelligent children= 14.92, average of normal children=13.79, and average of children with learning disabilities= 9.96). Additionally, the available gender difference in each of three groups of (intelligent, normal and learning disabled) children is to the interest of the male.

3) To answer this question that which of these variables of age, father's educations. Mother's educations, father's job, and mother's job is a better predictor of "relative autonomy indicator" (RAI), multivariable regression analysis (Enter method) was used. Results are as the following:

Independent Variable	Beta regression coefficient	R	$\mathbf{R}^2$	Meaningful level
Age	-/02			
Mother's education	0.18			0.05
Father's education	-0.16	0.25	0.06	
Father's job	0.31			0.01
Mother's job	-0.08			

 Table 7: Analysis of multi-variable regression of age, father's education, mother's education, mother's job on RAI of the subjects

As it obvious from table 7, multiple correlation coefficient equals R=0.25 shows that mother's education and father's job have correlation with the relative autonomy of the subjects. Determination coefficient was calculated  $R^2 = 0.06$  that shows 6 percent of variance of the relative autonomy indicator is justifiable by mother's education and father's job variable.

To specify which types of independent variables have greater role in subject's RAI, Beta regression coefficient was used.

By comparing coefficient it is observed that among these five variables. Only father's job (p<0.01) and mother's education (p<0.05) have the positive and meaningful power of predicating and other variables don't have a meaningful role.

## DISCUSSION AND STUDY

Results of the present research shows that students with learning disabilities have higher marks in the external regulation style than intelligent and normal children, and intelligent children have higher marks in the introjected and identification regulation style than normal children, but there isn't any difference between intelligent and normal children in the internal regulation style. A comparison of subjects on the basis of control and autonomy regulation confirm the obtained results. The present results in relation with intelligent children are along with the researches (karenz & McGinnis 1996, Kan 1992, Zimerman, B.J. & Martinez-Pons 1990, Risemberg & Zimerman 1992, Kanog & et al. 1980, Alborzi & Mazidi 2009, Alborzi & Joukar 2006, Razaviye & Alborzi 2003, Chalpianlo & Hasani 2009) and are not along with researches of (Gilligan 1982; Gilligan and et al. 1989). The results obtained in relation with children with learning disabilities are also along with researches done by Linda 1983, Kanog and et al. 1990, Dou 1998 and Kampan, 1988.

Results of the comparison show that all of the three groups of children in the motivational beliefs are influenced by external elements more than being internal, of cours with this explanation that intelligent children are at the beginning of internalization (introjected regulation styles). The results obtained based on the effective environmental elements on behavior are justifiable in this way that each of three groups is influenced by the same educational system and the same educational conditions as a member of a united society. That is perception and thought of plurality that is dominant in the society influence behavior, beliefs and even individuals affections, in the case that an individual gain external orientation to begin and continue their activities. But in the present research, the differences among intelligent, normal and learning disabled children in each level show effective personal elements on their behavior. In

other words, if it supposed that subjects of the present research are put in the internalization continuum of Ryan and et al (1993) Children with learning disabilities have completely external orientation, normal children have external regulation but less than the first ones and intelligent children are at the beginning of internalization. Because intelligent children take less influence of the environment according to their intelligent and thought: however, it does not mean that they profit completely of they reasoning potential have intensity and weakness of taking influence is presented. On the other hand, in the autonomy theory of Ryan and et al, the main element internalization and self regulation of individual's experiences is conflict of the external environmental with the internal desires. The more conflict is between the external and internal of individual, behavior is more internalized in the primary continuum level and its self regulation is less. The less conflict, the easier internalization, in this relation, the available educational system increase the conflict; particularly mentioned for intelligent children that intelligent is obvious in their behavior as a mediator factor, this conflict is more severe and problematic. But children with learning disabilities are completely under influence of external factors and lake any kinds of self regulation and autonomy in learning. If personal needs and environmental demands come into agreement, internalization of behavior are done easier in different individual with different abilities and talents. In fact, results of the present research show the most fundamental problem of the present educational system. If students are engaged in education without motivational beliefs and necessary knowledge to internalization of learning, removal of their personal needs in each

groups according to the quality of cognitive and motivational processes is a basic step in creation of the self regulated learning in them. Thus, it is suggested that the future researches, in addition to the educational conditions study a wide set of effective variables (age, familial conditions, relationships with pears, teachers teaching method and test at school and etc.) on the student's motivation and cognition in several sets (house, school, society).

Other results of present research is the predictability power of demographic variables such as father's job and mother's education in the quality of formation of motivational beliefs and self regulated learning of the children. Educated mother's have more positive sensitivity and attitude in forming internal motivational beliefs in their children. In one hand, this issue is related to their education and awareness. and in the other hand, it is the expectations of the society of them. But in relation to father's job it is worth mentioning that in the modern society if seems that father's job is very important in children's motivational belief as an income and validity source. Such fathers often try to create internal motivations in their children by having positive attitude towards their training.

In sum, it is worth mentioning that results of the present research have useful notes for the parents and instructors in relation to the quality of their behavior in the formation of student's motivational beliefs behaviors that represent severe control removal of personal choice and decision making ability. Creates wrong motivational beliefs in children based on disability and inefficiency and lead to their passitiveness. Thus, parents awareness of the quality of motivational beliefs creation in the children and emphasis on their role in this scope, has an influential effect on the improvement of their individual and educational behavior. This is true about teachers and those who are in charge of the educational organization.

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