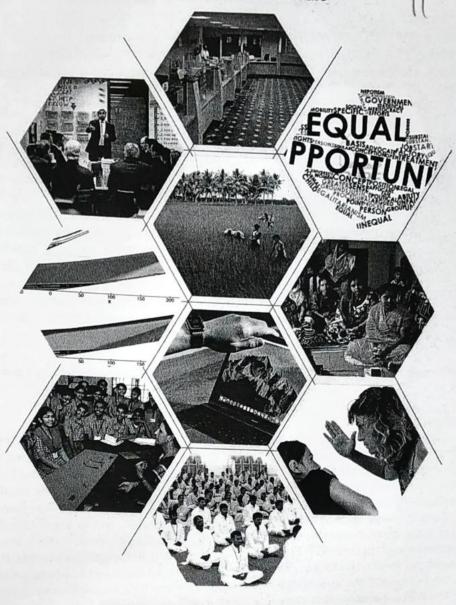
International Research Journal of India

ISSN No- 2454-8707 | Volume - II | Issue- I | Sept- 2016 | Impact Factor - 1.3652 (JIIF)

Chief Editor
Dr. Mahendra Suhas Kavale





INTERNATIONAL RESEARCH JOURNAL OF INDIA

VOLUME-II, ISSUE-I, SEPT-2016

PREDICTING STUDENT ENGAGEMENT WITH INSTITUTIONAL CLIMATE, TEACHER STUDENT RELATIONSHIP AND ACHIEVEMENT MOTIVATION

Dr. Sreelatha K. and Dr. Amruth G. Kumar

sistant Professor in Education, Mahathma College of Education, Nileshwar , Kasaragod, Kerala. essociate Professor, Department of Education, Central University of Kerala, Kasaragod, Kerala.



ABSTRACT:

This paper is an attempt to study the relationship between "student engagement with "Institutional climate", Teacher Student Relationship and Achievement Motivation among the student teachers. It also checks whether Institutional Climate, Teacher Student Relationship and Achievement Motivation can jointly predict the Student Engagement of student teachers. The findings show that there exists a significant positive correlation between these variables. It also shows that these variables can jointly predict Student Engagement and among these factors Achievement Motivation was found to be the best predictor of student engagement.

ETWORDS:

Student Engagement, Institutional Climate, Teacher Student Relationship, Achievement Motivation, Students.

TRODUCTION

Student engagement has been used to describe a variety of Student behaviour for the past forty s. Available Literature on student engagement shows that Student Engagement constitutes 'the amount me and effort' that a student invests into educational activities which directly lead to desired outcomes , 2001). This concept can be strengthened from the views of various researchers who studied Student regement in depth. According to Harper and Quaye (2009), "Engagement is more than involvement or ticipation. It requires feelings and sense making as well as activity". This is applicable for Student regement also. If the students are able to involve physically, mentally and emotionally in the process of ming, then it can be said that they are 'engaged' in learning, because through this process, the learning become meaningful. Hence, this kind of engagement is needed in all the aspect of education especially in ther education, because of the importance of teachers in the teaching-learning process. According to etes (2005), "The concept of student engagement is based on the constructivist assumption that learning

is influenced by how an individual participates in educationally purposeful activities. Learning is seen as 'joint proposition', however, which also depends on institutions and staff providing students with the conditions, opportunities and expectations to become involved. However, individual learners are ultimately the agents in discussions of engagement". It is clear from this statement that 'there are other personal and environmental factors involved in the engagement by the student'.

In this present study the Institutional climate is taken as one of the influencing factor on student engagement. According to Litwin and Stringer (1968), climate in an institution is measured along the following dimensions such as the structure, responsibility, warmth, support, reward, conflict, standards, identity, and risk. Studies conducted by Conchas (2001), Newmann, Wehlage & Lamborn (1992) and Marks (2000) supports the argument that the Climate of the institution influences the Student Engagement positively.

Another factor selected in the study which can positively influence the Student engagement is the 'Teacher Student Relationship'. Studies conducted by Connell & Wellborn (1991), Skinner & Belmont (1993), Brich & Ladd (1997) and Valeski & Stipek (2001) supports this observation. The teacher in the teacher education institution (teacher educator) has a crucial role to play. The roles of teachers in the class room are changing day by day, and the importance is increasing rapidly. The teacher educators have the responsibility to be the role model for the future teachers who will in turn become teachers for the young learners. The personality, teaching style, interaction style etc of the teacher educators will be taken up as a model by the student teachers. The intimacy that the teacher educator has with the student teacher will not only influence their engagement in the teacher education program, but also, it will influence their behavior in future when they become teachers for the young learners.

Achievement Motivation is another factor which seemed to positively influence the student engagement. Studies conducted by Ergene (2011), Martin & Dowson (2009) and Skinner et al (2008) support this interpretation. This can be considered as a personal variable. Johnson et al (2001) says that, "Motivation is an internal state that arouses students to action, pushes them in specific directions and keeps them engaged in activities". Student's motives often determine the extent of learning, irrespective of their understanding capacity. This is true in the case of teacher education program. If the student teachers have motives to become good quality teachers then certainly they will engage themselves more in the teacher education program.

This study is dealt with the relationship existing between the student engagement and other variables such as Institutional Climate, Teacher Student Relationship and Achievement Motivation. It also tries to understand whether Institutional Climate, Teacher Student Relationship and Achievement Motivation can jointly predict the Student Engagement.

OBJECTIVES

- 1.To test whether there exists any significant correlation between student engagement and institutional climate of student teachers.
- 2.To test whether there exists any significant correlation between student engagement and teacher student relationship of student teachers.
- 3.To test whether there exists any significant correlation between student engagement and achievement motivation of student teachers.
- 4.To test whether institutional climate, teacher student relationship and achievement motivation can jointly predict the student engagement of student teachers.

HYPOTHESES

1. There exists significant correlation between student engagement and institutional climate of student

ters.

ere exists significant correlation between student engagement and teacher student relationship of

hers.

titutional climate, teacher student relationship and achievement motivation can jointly predict the ent engagement of student teachers.

HODOLOGY

The data was collected from 1601 students pursuing B.Ed. course in various colleges in Kerala State. data was gathered using four standardized tools. The tools used were 'Student Engagement scale' by the Student Relationship scale' by Sreelatha and Amruth G. Kumar (2015), 'Institutional Climate scale' by Sreelatha and Amruth G. Kumar (2015), 'by Sreelatha and Amruth G. Kumar (2015). All the tools were standardized using item analysis and the found that the reliability value of Cronbach's Alpha was 0.850 and that of Guttman Split – Half Coefficient dathat the reliability value of Cronbach's Alpha was 0.903. For the Institutional Climate scale, it was 2. There were 64 items in Institutional Climate Scale. For the Teacher Student Relationship scale, it was d that the reliability value of Cronbach's Alpha was 0.912 and that of Guttman Split – Half Coefficient was d that the reliability value of Cronbach's Alpha was 0.912 and that of Guttman Split – Half Coefficient was 7. There were 36 items in Teacher Student Relationship Scale. For the Achievement Motivation scale, it found that the reliability value of Cronbach's Alpha was 0.850 and that of Guttman Split-Half Coefficient was 7. There were 38 items in Achievement Motivation Scale. For the Achievement Motivation scale, it found that the reliability value of Cronbach's Alpha was 0.850 and that of Guttman Split-Half Coefficient was 10.834. There were 38 items in Achievement Motivation Scale. Correlations were calculated and multiple ession analysis was carried out with the data gathered. The results are discussed below.

ULT AND DISCUSSION RELATION ANALYSIS:

Table 1: Relationship between Student Engagement with Institutional Climate, Teacher Student Relationship and Achievement Motivation of B.Ed. Students

Variable	N	r	Significance Level	Confidence Interval		Shared
				Lower Limit	Upper Limit	Variance
Institutional Climate	1601	0.387*	0.001	0.345	0.427	14.97
Teacher Student Relationship	1601	0.387*	0.001	0.345	0.427	14.97
Achievement Motivation	1601	0.650*	0.001	0.621	0.677	42.25

relation is significant at the 0.01 level (2-tailed).

It can be seen from Table-1 that the correlation value obtained between Student Engagement and itutional Climate is 0.387 and is found to be significant with p value of 0.001. The 0.05 confidence interval und to be between 0.345 and 0.427. The shared variance of Student Engagement with Institutional ate is 14.97.

The correlation value obtained between Student Engagement and Teacher Student Relationship 0.387 and is found to be significant with p value of 0.001. The 0.05 confidence interval is found to be betwee 0.345 and 0.427. The shared variance of Student Engagement with Teacher Student Relationship is 14.97.

The correlation value obtained between Student Engagement and Achievement Motivation is 0.65 and is found to be significant with p value of 0.001. The 0.05 confidence interval is found to be between 0.62 and 0.677. The shared variance of Student Engagement with Achievement Motivation is 42.25.

All the correlation values are significant at 0.05 level and have a p value of 0.001. It means that there exists a real relationship between the variables. All the values are positive. When the relationship is positive it means that an increase in one variable will result a corresponding increase in the other variable. The relationships between the variables can be verbally interpreted as moderate for institutional climate and teacher student relationship. Hence any improvement in Institutional Climate or teacher student relationship will results in the increase in Student Engagement. This finding appears to be consistent with the findings of the earlier researches as well. The studies conducted by Connel (1990), Marks (2000), Nystrand 8 Gamoran (1991), Connel & Wellborn (1991), Fredricks, Blumenfeld, Friedel & Paris (2002), Moos (1979) Fraser (1991), Brophy & Everston (1976) and Doyle (1986) support the finding of the present study. All these studies say that there is a positive relationship between Student Engagement and Institutional Climate. The studies conducted by Skinner & Belmont (1993), Valeski & Stipek (2001), Battistich, Solomon, Watson & Schaps (1997), Marks (2000), Connel & Wellborn (1991), Fredricks, Blumenfeld, Friedel & Paris (2002), Ryan Stiller & Lynch (1994) support the findings of the present study that there exists a positive relationship between Student Engagement and Teacher Student Relationship. The finding of the studies conducted by Rajput (1984), Singh (1984) and Sontakey (1986) contrasts with the findings of the present study. Cultura factors might be an important reason for these diversions. However accommodating a space for the cultura factors in future studies would be more insightful in this regard.

While considering Achievement Motivation the relationship can be verbally interpreted as high correlation. Hence if opportunities are provided to improve Achievement Motivation it will result in the increase in Student Engagement. This finding appears to be consistent with the findings of the earlie researches as well. The studies conducted by Ang and Chang (1997), Chang and Wong (2008), Tao and Hon (2000), Martin and Dowson (2009), Mboya (1986), Samdal et al. (1999), Patall, Cooper and Wynn (2010) Meijer et al., (2004), Mitra (1985), Singh (1984), Verma (1990), Yeh Hsiang-Yeng (1991), Ergene (2011), Duda and Nivholls (1992), Emerick (1992), Weigfield (1994), Deshmukh (2000) support this finding. The lower and upper limits of Confidence interval at 0.05 level shows that if the correlation is worked out for the same variable for the whole population, the resulting correlation will be between these intervals at 0.05 level of probability. The shared variance gives the percentage of what is measured by Institutional Climate is related to Student Engagement.

MULTIPLE REGRESSION ANALYSIS:

Table 2: Model Summary to Predict Student Engagement Using Achievement Motivation, Institutional Climate and Teacher Student Relationship

R	R ²	Adjusted R ²	Standard Error of the Estimate	
0.673* 0.454		0.453	16362	

a. Predictors: (Constant), Achievement Motivation, Institutional Climate and Teacher Student Relationshi b. Dependent Variable: Student Engagement

From Table-2, the R value of 0.673 represents the correlation of Student Engagement with

Achievement Motivation, Teacher Student Relationship and Achievement Motivation. The value of R2 1st 0.454, which denotes that the student Relationship and Achievement Motivation. 0.454, which denotes that Achievement Motivation, Institutional Climate and Teacher Student Relations V together can account for 45 % of the variation in Student Engagement.

Table 3: ANOVA to Predict Student Engagement using Achievement Motivation Institutional Climate and Teacher Student Relationship

and Teacher Student Relationship					Sig.
Model	Sum of Squares	df	Mean Square	1	0.001 ^b
Regression	354846.163	3	118282.054	441.805	0.001
Residual	427556.353	1597	267.725		
Total	782402.516	1600			

a. Dependent Variable: Student Engagement

b. Predictors: (Constant), Achievement Motivation, Institutional Climate and Teacher Student Relationship From Table-3, the F value is 441.805, which is significant (p<0.05). The significant F value shows the Achievement Motivation, Institutional Climate and Teacher Student Relationship are good predictors Student Engagement of B.Ed. students.

Table 4: Coefficient to Predict Student Engagement using Institutional Climate, Teacher Student Relationship and Achievement Motivation

Model	Relationship and Achievem Un standardized Coefficients		Standardized Coefficients	т	Sig.
	В	Std. Error	Beta		
(Constant)	74.026	4.239		17.463	0.001
Institutional Climate	0.097	0.014	0.147	6.756	0.001
Teacher Student Relationship	0.095	0.028	0.075	3.337	0.001
Achievement Motivation	0.741	0.027	0.566	27.223	0.001

a. Dependent Variable: Student Engagement

▶ Predictors: (Constant), Institutional Climate, Teacher Student Relationship and Achievement Motivation From Table-4, the B values 0. 097, 0.095 and 0.741 represents the change in the outcome associated a unit change in the predictor. The beta values 0. 147, 0.075 and 0.566 are found to be significant [101]. The observed significance (0.001) is less than 0.01 and the result reflects a genuine effect of Stadent Engagement while predicting with Institutional Climate, Teacher Student Relationship and Advisor Motivation. So Institutional Climate, Teacher Student Relationship and Achievement Motivation make a significant contribution (p<0.01) to predict Student Engagement. The R2 for Institution Timate, Teacher Student Relationship and Achievement Motivation together is found to be 0. 454 which that 45% of the variance in Student Engagement was accounted by the variance of Institution Climate, Teacher Student Relationship and Achievement Motivation together.

The findings show that Institutional Climate, Teacher Student Relationship and Achievement Motivation can predict the Student Engagement. Furrer & Skinner (2003) and Roser, Midgley & Urdan (1996) through regression analysis has found that Teacher Student Relationship can Predict Student Engagement. Calsyn and Kenny (1977), Cokley (2000), Akey (2006) and Peterson (2000) through regression analysis found that Achievement Motivation is a predictor for Students Success in their studies. The present study also shows that these variables can predict Student Engagement. Ayishaki (1987) study is not well supported by the research literature. But still, the contextual factors accounting for predictive capacity of Achievement Motivation has to be considered seriously. The present study has a robust design and it well dovetail with existing literature.

CONCLUSION

From the results of the correlations it can be concluded that there exists a positive relationship between Student Engagement and Institutional Climate. The reason behind this is a well-known fact that the background setup will have direct relationship with any outcome. Here the academic and non- academic climate provided in the B.Ed. institutions has a positive relationship with the Engagement of Students in their course. A good academic climate with freedom, democracy, mutual respect, sensible rules and regulations, shared responsibilities, moral and personal supports will lead a student to involve more in the course. It is also seen that there exists a positive relationship between Student Engagement and Teacher Student Relationship. The possible reason is again based on the fact that better the Teacher Student Relationship better will be the involvement in studies and other activities related to studies. Due to a good teacher student relationship the teacher might be involving in academic and personal deeds of the students. The freedom and the support that a teacher gives to the students for doing their works will definitely lead to a good output. If such an output is satisfactory obviously the student will get more engaged in the course. The poor the teacher student relationship is the lesser will be the student Engagement. There exists a strong positive correlation between Student Engagement and Achievement Motivation also. The possible reasons could be that Achievement Motivation is a personal factor unlike Institutional Climate and Teacher Student Relationship. Student Engagement Again is a personal factor. The high percentage of overlapping also shows that a student with high Achievement motivation will have high Student Engagement. Achievement Motivation could have drawn from outside or from within the individual. So a student with more interest in becoming a good quality teacher will evidently have good amount of Achievement Motivation to attain this goal and so will be certainly show greater engagement in the course. It can also be said that a student with low achievement motivation can be expected to show less Student Engagement.

The results of the regression can be concluded that, the Institutional Climate, Teacher Studen Relationship and Achievement Motivation can predict the Student Engagement. Assessing this variables in given time intervals can give indications about the Student Engagement. This would help the institutions to make necessary changes to be done within it so as to ensure high engagement of students.

REFERENCES

- 1.Akey, T. M. (2006). School context, student attitudes and behavior, and academic achievement: Art exploratory analysis. New York: MDRC.
- 2.Ang, R. P. H., & Chang, W. C. (1997). Impact of domain-specific locus of control on need for achievement and affiliation. The Journal of Social Psychology, 139, 527-530.
- 3. Ayishaki, T.C. (1987). Examination Anxiety and Achievement Motivation as Predictors of Secondary School Biology Achievement. Journal of the Institute of Educational Research, 11, (2), 22-25.
- Birch, S., & Ladd, G. (1997). The teacher-child relationship and children's early school adjustment. Journal

bet School Psychology, 35, 61-79.

ons

SC

0:

Brophy, J. E., & Evertson, C. M. (1976). Learning from teaching: A developmental perspective. Boston: Allyn 4.9 1 is d Bacon.

Battistich, V., Solomon, D., Watson, M., & Schaps, E. (1997). Caring school communities. Educational en Sychologist, 32, 137-151.

ZCalsyn, R. J., & Kenny, D. A. (1977). Self-concept of ability and perceived evaluation of others: Cause or hai effect of academic achievement? Journal of Educational Psychology, 69(2), 136-145.

Schang, W. C. & Wong, K. (2008). Socially oriented achievement goals of Chinese university students in Sengapore: Structure and relationships with achievement motives, goals and affective outcomes. ma meternational Journal of Psychology, 43(5), 880-885.

Coates, H. (2005). The Value of Student Engagement for Higher Education Quality Assurance. Quality in mether Education, 11(1), 25-36.

Cokley, K.O. (2000). An Investigation of Self-Concept and its Relationship to Academic Achievement in Strican American College Students. Journal of Black Psychology, 26, 148-164.

Conchas, G. (2001). Structuring failure and success: Understanding the variability in Latino school regagement. Harvard Educational Review, 71, 475-504.

Connell, J. P. (1990). Context, self, and action: A motivational analysis of self-system processes across the span. In D. Cicchetti (Ed.), The self in transition: Infancy to childhood (pp. 61-97). Chicago: University of Chicago Press.

Connell, J. P., & Wellborn, J. G. (1991). Competence, autonomy, and relatedness: A motivational analysis self-system processes. In M. Gunnar & L. A. Sroufe (Eds.), Minnesota Symposium on Child Psychology (Vol. Chicago: University of Chicago Press.

Deshmukh, N.H. (2000) A Study of Anxiety, Achievement Motivation, Intelligence, Goal Discrepancy and demic Achievement of Junior College Students with High and Low Self Concept. Indian Psychological Eview, 54, (1-2), 2-6.

Doyle, W. (1986). Classroom organization and management. In M. C. Wittrock (Ed.), Handbook of research teaching (pp. 392-431). New York: Macniillan.

Duda, J. L. and Nicholls, J. G. (1992). Dimensions of achievement motivation in schoolwork and sport. burnal of Educational Psychology. 84(3):290-299.

Z.Emrick, L.J. (1992). Academic underachievement among the gifted: Students' perceptions of the factors at revers the pattern. Gifted Child Quarterly, 36 (3), 140-146.

Ergene, T. (2011). The relationships among test anxiety, study habits, achievement, motivation, and demic performance among Turkish high school students. Education & Science, 36(160):320-330.

Fraser, B. J. (1991). Two decades of classroom environment research. In B. J. Fraser and H. J. Walberg Eds.), Educational environments: Evaluations, antecedents and consequences. New York: Pergamon Press.

20 Fredricks, J. A., Blumenfeld, P. B., Friedel, J., & Paris, A. (2002). Increasing engagement in urban settings. analysis of the influence of the social and academic context on student engagement. Paper presented at annual meeting of the American Educational Research Association, New Orleans.

21 Furrer, C., & Skinner, C. (2003). Sense of relatedness as a factor in children's academic engagement and performance. Journal of Educational Psychology, 95, 148-162.

22. Harper, S. R., and S. J. Quaye, eds. (2009). Student engagement in higher education: Theoretical perspectives and practical approaches for diverse populations. New York: Routledge.

23 Johnson, Kirkpatrick M., Crosnoe R. and Elder G.H, Jr. (2001). Students' Attachment and Academic Engagement: The Role of Race and Ethnicity. Sociology of Education, 74(4), 318-340.

24. Kuh, G. D. (2001). Assessing What Really Matters to Student Learning: Inside the National Survey of dent Engagement. Change, 33(3), 10-17, 66.

Is

all

25. Litwin, G.H. and Stringer, R.A. (1968). Motivation and Organizational Climate. Harvard Business School.

26.Marks, H. M. (2000). Student engagement in instructional activity: Patterns in the elementary, middle and high school years. American Educational Research Journal, 37, 153-184.

27.Martin, A.J., & Dowson, M. (2009). Interpersonal relationships, motivation, engagement, and achievement: Yields for theory, current issues, and practice. Review of Educational Research, 79, 327–365.

28.Mboya MM (1986). Black adolescents: A descriptive study of their self concepts and academic achievement. Adolesc, 21(83), 689-695.

29. Meijer, Anne Marie and Van den Wittenboer, Godfried L.H. (2004). The Joint contribution of Sleep, Intelligence and Motivation to School Performance. Personality and Individual Differences, 37(1), PP. 95-106 In: Psychological Abstracts, 90(10), 2004, P. 3858, Sr. No. 30039

30. Mitra, R. (1985). Some determinants of academic performance in preadolescent children. Ph.D. Edu: Cal U.

31. Moos, R. H. (1979). Evaluating educational environments. San Francisco: Jossey-Bass.

32. Newmann, F., Wehlage, G. G., & Lamborn, S. D. (1992). The significance and sources of studen engagement. In F. Newmann (Ed.), Student engagement and achievement in American secondary schools (pp. 11-39). New York: Teachers College Press.

33. Nystrand, M., & Gamoran, A. (1991). Instructional discourse, student engagement, and literature achievement. Research in the Teaching of English, 25, 261-290.

34.Patall, E. A., Cooper, H., & Wynn, S. R. (2010). The effectiveness and relative importance of providing choices in the classroom. Journal of Educational Psychology, 102, 896-915

35. Peterson, J. S. (2000). Gifted, gay, and at risk: A Study of the adolescence Gifted Child Quarterly, 44, 149 164.

36.Rajput, A.S. (1984). Study of Academic Achievement of Students in Mathematics in relation to their intelligence, Achievement Motivation and Socio- economic status. Ph.D. Education, Kanpur University. In M.B. Buch, ed. (1991). Fourth Survey of Research in Education (1983-1988). New Delhi: National council fo Educational Research and Training, Sri Aurobindo Marg, PP. 845-846.

37. Roeser, R., Midgley, C., & Urdan, T. C. (1996). Perception of the school environment and early adolescents psychological and behavioral functioning in school: The mediating role of goals and belonging. Journal of Educational Psychology, 88, 408-422.

38. Ryan, R. M., Stiller, J. D., & Lynch, J. H. (1994). Representations and relationships to teachers, parents, and friends as predictors of academic motivation and self-esteem. Journal of Early Adolescence, 14, 226-249.

39. Samdal, O. Wold, B. and Bronis, M. (1999). Relationship between Students' Perceptions of School Environment, their Satisfaction with School and Perceived Academic Achievement: An International Study School Effectiveness and School Improvement, 10, 296-320.

40.Singh, S. (1984). •Relationship of home environment, need for achievement and academic motivation with academic achievement. Ph. D. Psy. U. In M. B. Buch Fourth survey of Research in Education; • 1983-1988 41. Skinner, E. A., & Belmont, M. J. (1993). Motivation in the classroom: Reciprocal effects of teacher behavio and student engagement across the school year. Journal of Educational Psychology, 85, 571–581.

42. Skinner, E. A., Kindermann, T. A., & Furrer, C. (2008). A motivational perspective on engagement an disaffection: Conceptualization and assessment of children's behavioral and emotional participation i academic activities in the classroom. Educational and Psychological Measurement.

43. Sontakey, V.V. (1986). A comparative study of personality factors arid achievement motivation .of high an low achievers in Natural and Biological Sciences. Ph.D. Nag, U. In M.B. Buch Fourth Survey of Education, 1983 88.

44.Tao, V., & Hong, Y. Y. (2000). A meaning system approach to Chinese students' achievement goals. Journal of Psychology in Chinese Societies, 1, 39-64.

Swaleski, T. N., & Stipek, D. (2001). Young children's feelings about school. Child Development, 73, 1198-

Verma. B. P. (1990). Academic motivation and test anxiety as associated with scholastic achievement of schools students. Journal of Psychological Researches, 34, (1), 1-5.

Field, A. (1994a). Expectancy-value theory of achievement motivation: A developmental perspective.

ational Psychology Review, 6(1), 49-78.

Hsiang-yeng. (1991). The relationships of academic achievement to the variables of achievement metivation, study habit, intellectual development and Junior College joint entrance exam scores among College students in the Republic of China. Ed. D. Uni v. of Missouri -Saint Louis, 2 4 4, Dissertation examples and the college students in the Republic of China. Ed. D. Uni v. of Missouri -Saint Louis, 2 4 4, Dissertation examples are considered as a college students.