

Impact of Teacher Knowledge on Students Academics

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Abstract— The present study primarily aimed to investigate the impact of teacher knowledge on student's academic performance. In this regard, structured and pre-tested scale was designed by the researcher to include demographics, socio-economic aspects and set research objectives. The target populations were the students of sports sciences and physical education studying in different universities of Pakistan. The collected data then coded and feed in SPSS version 20. Regression as a Statistical tool was used for the analysis of collected data. After analysis, the researcher arrived at the conclusion that teacher knowledge significantly affects the academic success of the students.

Key terms: Knowledge, Teacher Students, Academics, Physical Education , University, Pakistan

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1. INTRODUCTION

Knowledge means information of something or objects. Knowledge is the most important aspects of a teacher's professional attitudes and behaviors. The teacher who possesses good knowledge and information about the concerned field can easily promote the students' academic performance. Competencies of physical education teachers are explained as required knowledge, understanding, skills and attitudes, which are needed by them in order to perform their duties and responsibilities[1].

Knowledge is not a static thing. Why is it not? It is because of this, that in the present changing world it is quite difficult to cope or face the educational situations. To teach effectively and efficiently the teacher must educate him/herself with new knowledge and skills [2].

How can improvement be made possible in teacher competencies? Improvement in competencies of teachers is either possible when a teacher properly

planned for teaching, maintains the classroom environment, and maintains personality [4].

. The professional attitude of a teacher during teaching in a classroom can be judged from his personality, knowledge, communication and management skills. Academics success or achievement depends upon the teacher. If the teacher has a good knowledge base, or good academic skills, then he/she can easily promote the overall academics of the student by adopting different ways of teaching [4].

The quality of physical education depends upon the quality of physical education teachers. It means that if the teacher is of high quality such as having good personality, good lesson planning, good communication and managerial skills than he/she can easily promote the field of physical education by producing competent students. "Quality physical education lesson = Quality physical education teacher"[5].

2. STATEMENT OF THE STUDY

Academic success of the students depends upon the teacher and their knowledge of lesson delivering during the lecture in the classroom. If a teacher has good subject knowledge, then he/she can easily satisfy the educational thirst of the students. How does the teacher's knowledge affect the students' academics? Keeping in view the idea the researcher intended to conduct a research study under the title "Impact of teacher knowledge on students' academics"

3. OBJECTIVES OF THE STUDY

3.1 To investigate the impact of teacher knowledge as part of professional attitude on student's academics

4. SIGNIFICANCE OF THE STUDY

Students learn from their teacher. If the teacher has a good knowledge base, good subject commands, and good academics approach then it not only satisfies the students, but the students can get motivation toward the academics activities. What kind of academics or knowledge of teacher satisfies students' needs? and how can it influence the students' academics? So this research study will provide valuable information regarding teacher knowledge and its impact upon the students' academics.

5. HYPOTHESIS OF THE STUDY

H₀₁ There is no significant impact of teachers' knowledge (as a part of the teachers professional attitude) on student's academic performance

6. REVIEW OF RELATED LITERATURE

Knowledge i.e. both the subject knowledge and general knowledge significantly influence the attitudes and academic performance of the students. Without knowledge of subject, it is difficult for teachers to teach and motivate the students in their academic achievements [6].

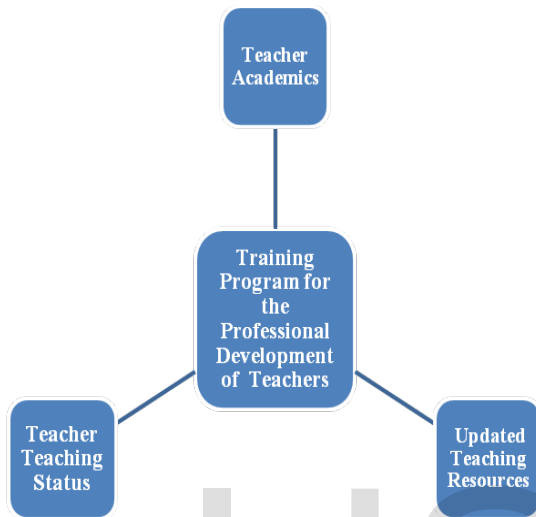
Effective teaching is the product of various factors i.e. teacher background, his/her competencies, pre-service and in-service training, teacher students interaction, efficient use of instructional time and materials and assessment of students achievement [7].

The teacher must be a knowledgeable person. It is a fact that different students have different abilities and capabilities. Students with more abilities and capabilities learn easily and more as compared to those with low abilities and capabilities. The same is true in the case of teachers; Teachers having more knowledge can easily satisfy and motivate the students toward their academic achievements [7].

Teachers cannot teach accordingly until they are unable to know that what they are going to teach and what they have not learned or lacking? Effective teaching depends upon the teacher knowledge and their method of presentation or teaching. Besides this, effectiveness of teaching also depends upon the subject knowledge and command on the subject [3].

For the professional development of a teacher in Pakistan, a lot of steps have to be taken which

include the teacher's training programs. This training program helps in the uplifting of teachers academics, improving his/her teaching status and updating teaching resources etc [8].



7. METHODOLOGY AND PROCEDURE

The following procedures were adopted by the researcher for reaching at certain findings and conclusions.

7.1 Population

All the students of physical education studying at the university level of Pakistan were the population of the study.

7.2 Sample and Sample Size

In Pakistan there are 13 Universities (Both in Private and Public sectors) offering Physical Education Programs. The total number of students enrolled in the programs i-e (M.Sc, M.Phil.) of physical education is fourteen hundred and forty (1440).

Similarly sample of 30% are taken from each and every institute through convenient sample technique.

7.3 Tool for Data Collection

For the collection of data, the researcher developed a structured and pre-tested scale comprised of relevant questions; attempting to cover all the aspects of the study.

7.4 Mode for Data Collection

For the collection of data the researcher personally visited the entire population and distributed the entire questionnaire among the respondents and collected the completed responses.

7.5 Analysis of Data

The collected data was tabulated and analyzed by the researcher by feeding it through SPSS Version 20 and applying Regression as a statistical tool.

8 STATISTICAL ANALYSIS OF DATA

Table # 1 showing the impact of teacher knowledge on student's academics

Model Summary

Model	R	R Square	F	Sig.
1	.209 ^a	.044	10.406	.001 ^(b)

a. Predictors: (Constant), Achievement

Coefficients ^a						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.361	.188		17.840	.000
	Achievement	.188	.058	.209	3.226	.001

a. Dependent Variable: Knowledge

Table No 1. Shows the impact of the teacher’s academic qualification or knowledge on students’ academic performance. The R square is .044 which means 4% effect of teacher academic qualification or knowledge is there on students’ academic performance. The B is .188 (p=0.001) which means total 1 unit increase in teacher academics will cause .188 unit overall increase.

9 RESULTS AND DISCUSSION

Based on analysis the researcher arrived at conclusion that teacher knowledge, academics’ and subject command has significant impact upon the students’ academics. Thus, the Null Hypothesis of the study is rejected

It is concluded by the researcher that the knowledge of

a teacher has significant influence on the students’ academic performance. Such a concept is supported by the research study by indicating that teacher knowledge and academic qualification has significant relation with students academics performance. A teacher who has good subject knowledge can easily motivate and influence the students regarding their academic affairs [9].

The findings of the research study conducted by [10], also aligned to the present study that students make more progress in the subject of those teachers who have excellence academics. The findings of the study conducted by [11], asserted that students like those teachers who have a good command of his/her subject.

It is concluded by the researcher that a majority of the students were in the opinion that good knowledge and managerial skills are a necessary part of a teacher’s professional attitude. They learn more from those teachers who have good knowledge and managerial skills. They also respect and favor all the teachers who have a good knowledge level and adopt good managerial skills during the class. It is supported by the research study conducted by [12], he indicates that good knowledge, guidance, good management etc. all the basics factors effecting the students study attitude and motivation toward their academics targets and goals.

10 CONCLUSION

On the basis of findings the research arrived at conclusion that teacher knowledge, subject command and academic approach not only affect the student’s academics but it is a strong tool for motivating and demo-

tivating the students toward their academics activities.

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