

Descriptive Study on Nursing Student's perception regarding Learning Environment in Madina Teaching Hospital Faisalabad

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Abstract

Educational environment is sum of all the activities that have been taken place in the Classrooms, Departments, Schools, Colleges, Universities and all academic institutions for the achievements of ultimate educational goals of the students. The educational atmosphere in learning place has one of most essential factors in establishing the favorable results of students and curriculum. The DREEM statement is a logical international instrument for quantify the learning environment in freshman medical coaching. The research was begun to assess the learning atmosphere as perceived by the nursing students of a Medina Teaching Hospital in Faisalabad in 2019. The aim of this study is assess the perception of the nursing students regarding learning environment and assess the effect of their perception on their academic achievement, and identify areas for change to enhance student's experience. DREEM questionnaire was conduct to 50 students (semester 7 n=25 and semester 5 n=25) on separate time after lecture. Aim of research was explained before filling the structure questionnaires. Confidentiality was sustained. Items of this study were further explained by statistical analysis. The reciprocation rate was 100% (50 /50 students). The generally DREEM score was strongly disagree=175, disagree=316, neither agree nor disagree=505, agree= 1046, strongly agree= 436 indicating that nursing student's perception regarding learning environment of the Medina Teaching Hospital was more positive than negative. However, the study uncovered some problem scope within the learning environment. A huge number of diverse and concealed factors impact the way students perceive their learning environment. It should be an ongoing process to detector the feedbacks from the nursing students to recognize problem areas so that important curative measures can be applied as soon as possible.

Introduction

Educational environment is sum of all the activities that have been taken

place in the Classrooms, Departments, Schools, Colleges, Universities and all academic institutions for the achievements of ultimate educational goals of the students (Genn 2001; Patil and Chaudhari 2016). Students in academic institutions have a close interaction with various professional staff members, patients, workers and fellows. They can face very challenging situations due to the over workload, competition among fellows and at times in a stressed environment (Veerapen and McAleer 2010). The learning environment is the most important components for the evaluation of any academic progress (Bassaw, Roff et al. 2003). Educational climate is critically assessed for the improvement of students learning. In this regard student's perception of the environment within which they are working has been shown to have an indicative effect on their academic progress, behavior, and sense of well-being (Genn 2001; Till 2005). Assessment of the academic climate gives the gross outcome of what is happening by the perspectives of the student, comprehensively (Till 2005). It is a realized the students what are the features of academic procedures. It also provide a complete, exhaustive, organized including inclusive vision of the general condition of affairs in the education procedures (Audin, Davy et al. 2003). In this regarding researchers have used various methods such as qualitative techniques or questionnaires based tools for assessing the educational climate (Audin, Davy et al. 2003). The measurement of educational environment is necessary to bring about the improvement and changes in academic climate where

required. To take an interest in the perception of the students about the different part of academic environment is play a major role in evaluating the difference that is exists in curriculum. It is necessary to make a comparison between different group of students, so that necessary changes and improvement take place in curriculum and other part of academic climate (Roff, McAleer et al. 2001). learning experience has a great impact on students on students long life practices and knowledge (Schönrock-Adema, Bouwkamp-Timmer et al. 2012). Many instruments which are used for measuring of learning environment but Dundee Ready Educational Environment Measurement is a validated instrument, which is widely used more than 56 countries in the world include in Pakistan. This instrument is especially used in medical learning environment perception (Roff, McAleer et al. 1997; Roff 2005). In 1997 DREEM was developed in a fourth largest city of Scotland (Dundee) by international Delphi method (Roff 2005). This is used to assessing the educational environment in overall world. This method is used to assess the all type of medical educational environment especially post graduate hospital. In which include medical, surgical, nursing, anesthetic, physical therapy, dental education and all other medical educational environment measurement (Roff, McAleer et al. 1997).

Significance:

The educational environment acts as a concealed curriculum with a vitally influence on student's academic work. An outstanding climate is providing a reflection

of a standard curriculum (Genn 2001). We should assess the perception of students regarding learning environment, So that we should control over the deficiencies of learning environment, in this way we should improve the learning achievement, success and satisfaction of the students after providing them a positive learning environment.

The aim of this study is assess the perception of the nursing students regarding learning environment and assess the effect of their perception on their academic achievement.

Objective;

Primary objective:

Assess the perception of nursing students regarding learning environment.

Secondary objective:

To assess any differences in perception related to students' performance and their year of study.

Methodology;

Study design:

Cross sectional descriptive study.

Study setting;

Study is conduct in the School of Nursing Medina Teaching Hospital Faisalabad.

Study duration:

The duration of the study is 18th week.

Sample size:

The sample size of this study is 50.

Data collection:

Data collection is through structure questionnaire.

Sampling:

A convenient sampling is done within two weeks.

Incorporation criteria:

- The medical attendants who are accessible around then of information gathering.
- The medical attended who are effectively take an interest in information gathering.

Ethical consideration:

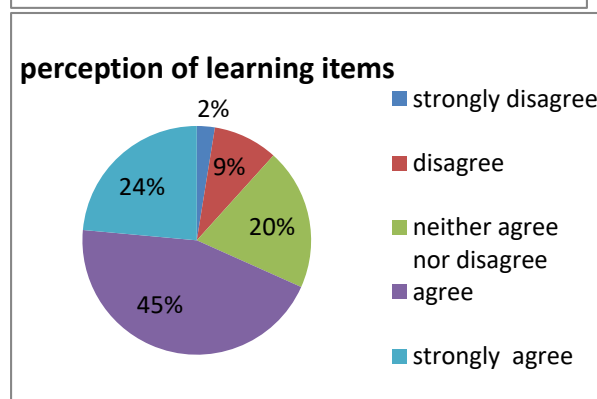
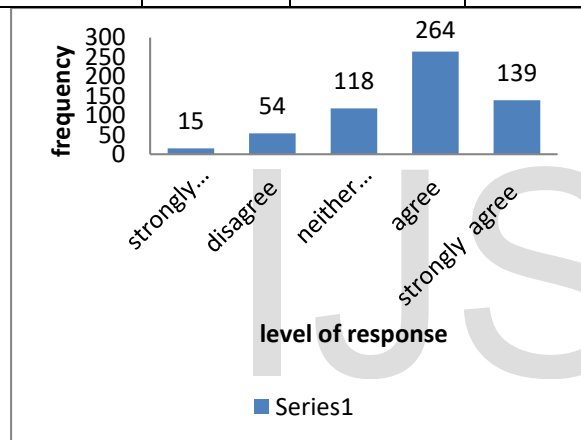
- Permission of data collection was taking from all the heads of the study hospital.
- The risk and benefits of the study has explained to the participants
- An informedwritten consenthas also taken from the entire participant.

Results

Table 1 shows the DREEM scores for the 5th and 7th semester learner's views for learning climate. Domain name is student's perception of learning. (SPL)

Domain name	Scores	frequency	percentage

SPL	Strongly disagree	15	2%
	disagree	54	9%
	Neither agree nor disagree	118	20%
	Agree	264	45%
	Strongly agree	139	24%



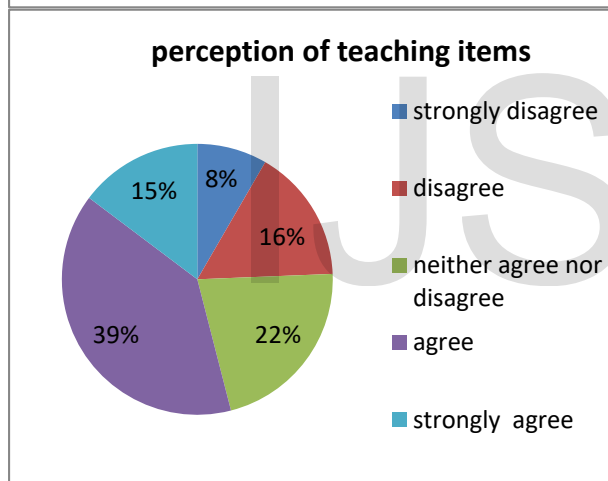
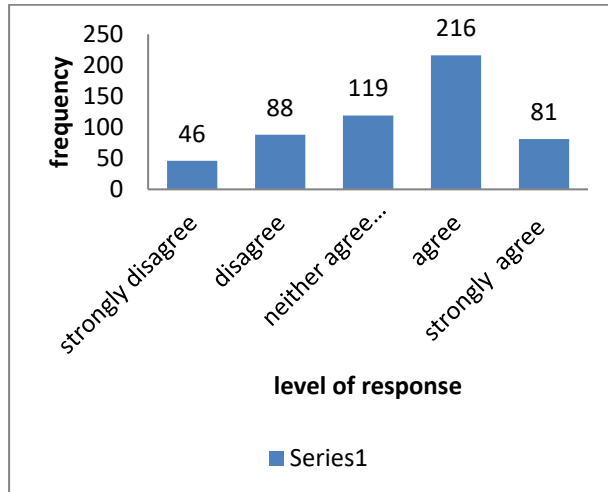
12 items are present in this domain which are (I am stimulated to actively participating in learning room. Adopted instructing is often encouraging. learning is pupil centered (more self-learning). Coaching has linked with developing student's competences.

Training is very cohesive and observant. The training method is linked with developing my credence. The hours for teaching have well spent. Teaching emphasizes memorizing facts. Learner has sure about the goal for this course. Institute appreciate me to chase my own training needs. The value of continued learning has for grown. Training is very concentrated on the instructor. The minimum score of this domain is less than 2 and maximum score of this domain is 5. The items of this domain are positive and 24% students are strongly agreed for learning items. 45% agree. 20% students have no response for learning items. 9% students are disagreeing and only 2% students are strongly disagreeing with learning items.

Table 2 shows the DREEM scores for the 5th and 7th semester learner views for learning climate. Domain name is student's perception of teachers. (SPT)

Domain name	Scores	frequency	percentage
SPT	Strongly disagree	46	8%
	disagree	88	16%
	Neither agree nor disagree	119	22%
	Agree	216	39%

	Strongly agree	81	15%
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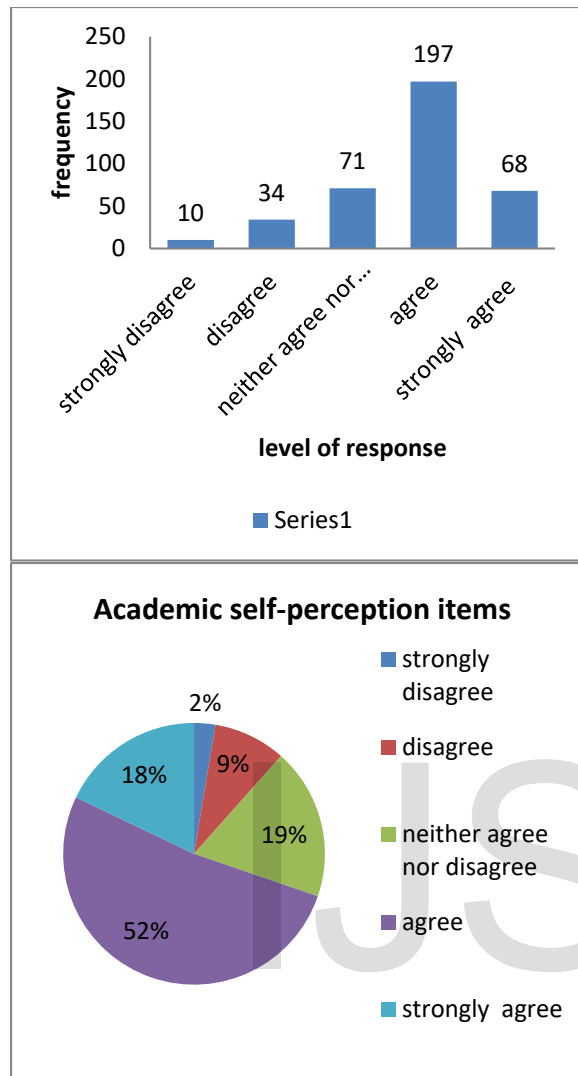


11 items are present in this domain which is (I can understand the teacher in classroom. Teacher has shown patience towards patients. Teachers lampoon on students. Teachers are authoritative. Teachers are able to communicate well with patients. Teachers provide good feedback to students. Teachers give us constructive criticism. Teachers give out very clear examples. Teachers are nervous in the class room. Teachers are well prepared for class. Students irritate the teachers). In this domain 7 items are positive

and 4 items are negative. The minimum score of these items is less than 2 and maximum score is 5. 15% students are strongly agreed and 39% students are agreeing with teachers teaching. In this study 22% students have save their perception. 16% students are disagreeing and only 8% students are strongly disagreeing with teachers teaching.

Table 3 shows the DREEM scores for the 5th and 7th semester student’s perception of learning environment. The name of this domain is student’s academic self-perception. (SASP)

Domain name	Scores	frequency	percentage
SASP	Strongly disagree	10	2%
	disagree	34	9%
	Neither agree nor disagree	71	19%
	agree	197	52%
	Strongly agree	68	18%

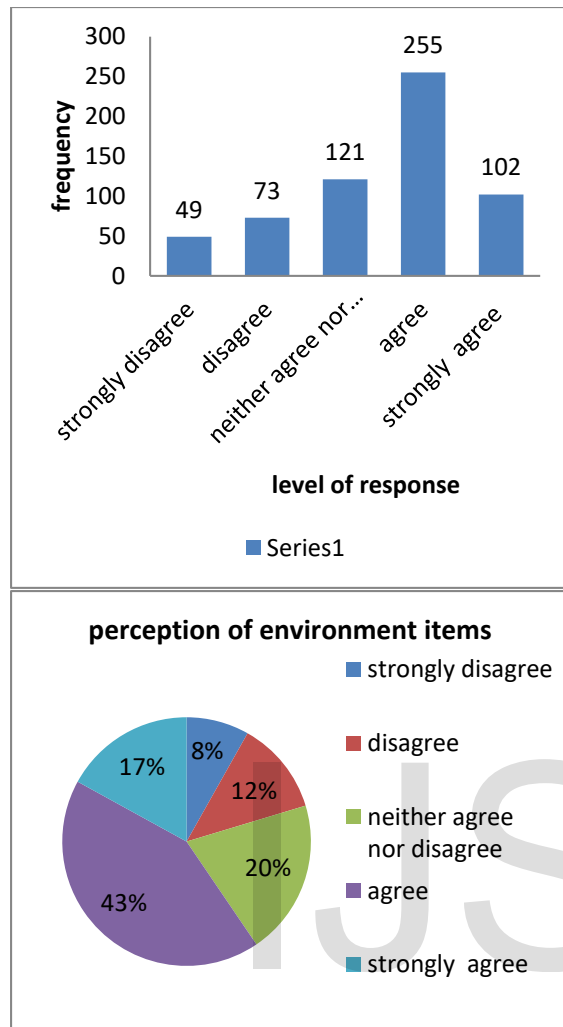


8 items are presents in this domain which is (As before studying also work in this course. I am confident that I will be approved this period of time. I observe I am being skillfully prepared for this career. The teaching of the previous year prepared me well for this year. I have good memory capacity for all I require. I have educated a large about interpersonal relationship in this career. Much of what I have seen important to medicine. All items of this domain are positive. minimum score is less than 2 and maximum score is 5. 18% students are strongly agreed and 52% students are agreed

with academic self-perception. 19% are neutral they save their perception. 9% students are disagreeing and only 2% students are strongly disagreeing with academic self-perception.

Table 4 shows the DREEM scores for the 5th and 7th semester learner’s views for educational climate. Domain name is student’s environment perception.

Domain name	Scores	frequency	percentage
SEP	Strongly disagree	49	8%
	disagree	73	12%
	Neither agree nor disagree	121	20%
	agree	255	43%
	Strongly agree	102	17%

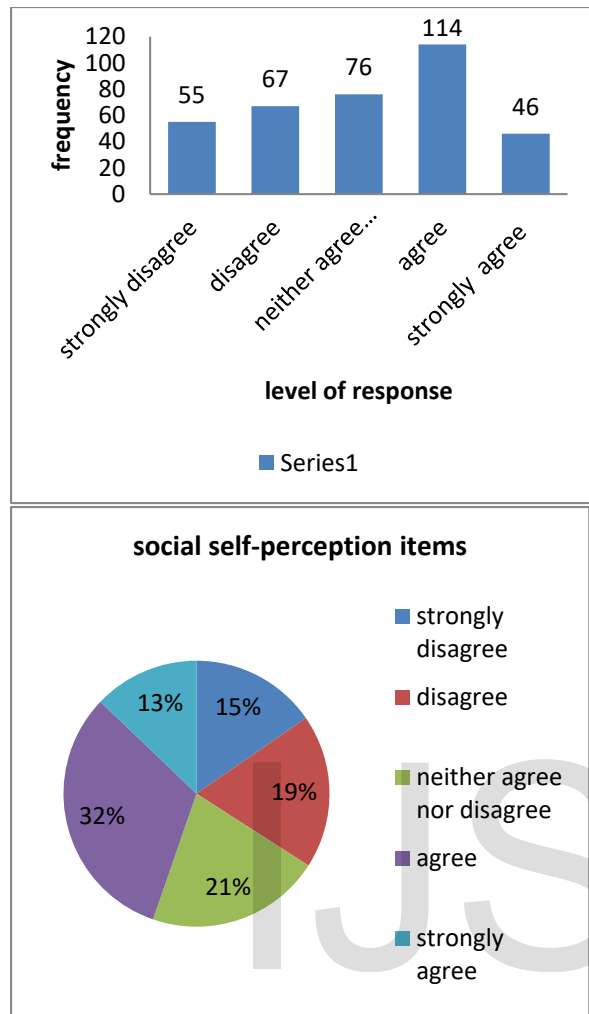


12 items represent in this domain. 2 items are negative and 10 items are positive. (The environment is quite during classroom. This faculty is quite exact in these courses. The practice of cheating in exams is common in this institute. The climate is modifying during presentation. I have the opportunity to expand practical interpersonal connection. I experience comfortable in the lecture room. The climate is peaceful throughout seminar. Students have found experience here disappointing. I have good concentration capacity. The satisfaction is greater than the stress of studying medicine. The environment encourages me to learn.

Feel free to ask whatever I want in class). 17% students are strongly agreed and 43% students are agreeing with learning atmosphere. 20% students are unremarkable 12% students are disagreeing and 8% students are strongly disagreeing with learning atmosphere.

Table 5 shows the DREEM scores for the 5th and 7th semester learners views for learning climate. Domain name is student’s social self- perception.

Domain name	Scores	frequency	percentage
SSSP	Strongly disagree	55	15%
	disagree	67	19%
	Neither agree nor disagree	76	21%
	agree	114	32%
	Strongly agree	46	13%



This domain consists of 7 items (There is a well aid system for students who are worry. students have been very stressed to take the large out of this training. I rarely feel discouraged in this training. I have good friends in this organization. I have good social life. I rarely suffer alone. I live a comfortable place. 3 items are negative and 4 items are positive in this domain. 13% students are strongly agreeing and 32% students are agreeing social self-perception.21% students are neither agreeingnor disagree with these items .19% students are disagree and 15% students are strongly disagree. The overall results of this study are positive.

Discussion

The DREEM is a proved measure designed particularly to evaluate the learning environment of student health professionals. It has been used globally in various settings, commonly with medical students but also with other medical care groups. The literature describe the use of the DREEM clearly recommended that those who have experience it have found it to be a supportive tool for a numeral of evaluation-related aims, consisting: diagnostic, comparison of dissimilar groups, evaluation of the same group under different situations and examining.(Veerapen and McAleer 2010)Inthe first domain (student's perception for learning items) the response of students for first question that i am stimulated to actively participating in class room was very positive.69% students were agree in that statements. This shows that learning items were so cool in classroom. A big opportunity provides to students to increase their creative thinking. Mostly students feel that teaching is students centered and teachers are concerned with developing student's competences.

Same study was done in Department of Pathology, Army College of Medical Sciences, Delhi Cantt, and New Delhi, India. The results of this study were positive rather than negative. The result was 126.3/ 156(n). (Bakhshialiabad, Bakhshi et al. 2015) The second domain was student's perception for teaching items, the response of students was also positive. 54% students have positive response for teaching strategies. The maximum score for these items was 5 and minimum score was below 2. In this

segments the response of students was very impressive that teachers give very clear examples and instructor have good preparation for class. The DREEM scores for medical schools globally have been reported in Srilanka as 108 / 2005 , in Nepal as 130 / 200, in Nigeria as 118 / 2009 , in Pakistan as 125 / 2002 and in UK as 139 / 20010 .(Bakhshialiabad, Bakhshi et al. 2015) . The score of this study was also positive.

The third domain related to students' academic self-perception. In this segment the students give their opinion for understanding the curricula. 70% students have a positive response for curriculum. This is a very good point that students have already some knowledge about their curriculum.

Fourth domain related to academic atmosphere. 60% students have positive response that they feel comfortable in classroom and they have a good concentration capacity. Students were satisfied that learning atmosphere encourage them to learn. Same type study was done in Austria in 2011. 68.2% results were positive as comparison with this study. (Brown, Williams et al. 2011).

Fifth domain related to social self-perception. 51% positive response was found for this domain, but 28% students were not satisfied for this domain. They feel lonely and they have no good social life. Same like study was done in Flipped in 2018, only 22.1% students were agree for social self-perception item as compared in Medina teaching hospital.(Willis, Prost et al. 2018)

Conclusions;

Overall the learning environment of Medina teaching hospital Faisalabad in generic BSN department is more positive than negative. The environment is comparable to other Austrian Allied Health programs, Armeey College of medical science, department of pathology, Delhi Cantt New Delhi India, flipped physical therapy course and to the final year of the osteopathy programs in UK and Finance. The students that identified the numbers of areas were positive regarding their learning environment. Especially the classroom environment, learning items and teacher's strategies are goods. But some areas of learning environment had needed to improve. Particularly student's social self - perception.

Recommendation

Overall student's perceptions are positive regarding learning environment but there is need of some improvement, especially student's self-perception. Mostly students feel lonely and have no good friends. There is need to conduct meeting with students and also need to counseling the students. There is also need to improved teacher's strategies. It is necessary to fill the feedback Performa from the students for teachers teaching strategies. Class environment should be friendly between students and teachers. In this way student confidence should develop. Tours must be conduct so that student's hesitation should be minimizing. In this way we should improve students' learning. Weekly class discussion should be done to enhance the students learning and confidence.

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