

## Do Students Value Feedback? - Perception, attitude and practices of students regarding role of feedback in their learning

**Abstract:** Feedback is viewed as data given by a source (e.g., tutor, contemporary manual, guardian, personal, incident) about features of one's achievement or perception. Feedback is one of the greatest compelling effect on learning and achievement, but this affect can be either productive or pessimistic. Its insight by students is studied by us. Our study provides a ideal survey of feedback and evaluates the proof with regards to its effect on training and performance. This proof shows that although feedback is among the major impacts, the type of feedback and the way it is collected can be distinctly effective. A prototype of feedback is then suggested that recognizes the exact qualities and conditions that make it useful, and some characteristic problems are discussed, including the time plan of feedback and the effects of convincing and discouraging feedback. In the end, this survey is utilized to propose methods in which feedback can be used to improve its efficacy in classrooms.

**Index terms:** feedback, assessment, student and teacher learning.

### I. INTRODUCTION

Provision of effective and high-quality feedback has been identified as a key element of quality teaching. Results indicated a diversity of preferences suggesting that a balanced approach in providing feedback would be most effective to meet individual needs. Studies have shown that there are clear preferences for verbal feedback when generic and provided to group as a whole. Written feedback was preferred, on the other hand when offered a specific comment addressed to the individual on an assignment or exam. Previous research has identified several constructs involved in the feedback process: the source of feedback (teachers and students). Previous research has identified several constructs involved in the feedback process: the sources of feedback (teachers and students) ;the mode of feedback (how it is presented) ;the content (information conveyed);and the occasion (when it is presented).

While there has an attempt by some researchers to explain relationships between some variables, little has been done to integrate these constructs into a coherent theoretical model. Few studies have focused on teacher feedback about student performances, and fewer on student perceptions or preferences. Available research suggests that feedback is most effective when provided soon after task performance and is presented in a manner sensitive to the students' learning styles : clearly identifies strengths and weaknesses; has suggestions for improvements; and is constructive and motivating.

### 1. II. AIM & OBJECTIVES

1. To analyze the students' perceptions about the role of feedback

2. To analyze if feedback provides students with added help in their learning.
3. To correlate the possible link between student feedback preferences and learning approaches.
4. To relate the effect of feedback on student's attitude and practices.

### III. MATERIAL & METHODS

In this prospective study Medical and health Sciences students in a University in UAE were surveyed. Total 200 hundred students participated in the study. There were 50 students each from Medical, Dental and Nursing college included to participate in the survey. Participation with in these colleges was completely voluntary. A pre-validated self-designed modified questionnaire based on the literature search was administered and a pilot study was done for validation  
Sample size-200

Study population-Students of University in UAE

Sample selection-Random selection

Inclusion criteria: Regular students enrolled with the University

Exclusion criteria-Part time students

#### **The Questionnaire was divided into six sections:**

- |                               |                               |
|-------------------------------|-------------------------------|
| i) Demographic Data           | ii) Type of Feedback          |
| ii) Perceptions of Feedback,  | iii) Value of Feedback        |
| iii) Preferences for Feedback | vi) Suggestions for Feedback. |

Sections ii), iii) iv) and v) required students to indicate their level of agreement with a series of statements on a five point Likert scale, ranging from 'strongly disagree' to "ranging from "to "strongly agree".

For part of section ii) a five-point Likert scale with numerical point reference. (0%, 25%, 50%, 75% and 100%) was used.

There were two open- ended questions on the importance of feedback (section iii) and suggestions to improve it (section vi).

Descriptive statics was done for the analysis of results.

### IV. RESULTS

Our questionnaire was administered to students of MBBS(Medical), students of BDS(Dental) and Nursing. The age ranged between 18-23 years. Male: female ratio was 1.7:1. Regarding Preferences and Perceptions for Feedback among Students: 74% mentioned that they receive enough feedback from their faculty.63% feel that the feedback they receive is relevant to the goals as a student. 79% stated that the faculty give useful feedback with enough information.85% mentioned that feedback on assignments, quiz and examination are always provided within 2 weeks.57% stated that the feedback given to them is applied to their studies and work.76% felt that the feedback is given in the way that everyone in the class is able to participate in it.61% felt that teaching staff is active in providing the feedback.

Regarding the types of the feedback, results showed that 73% of the feedback had been in the form of verbal feedback from the faculty. Students mentioned that 17% of feedback they get is from peer and self-assessment feedback which they get during active learning sessions like problem based learning etc .Regarding the perception of the feedback 62 % of them feel that when faculty gives them feedback they care about them.89% mentioned that feedback makes

them realize that they need to improve their performance in the studies.95% feel that they deserve feedback when they had put in so much efforts into study and assignments.74% mentioned that when they received feedback from the faculty they felt encouraged.73% of the students believed that they consider feedback to be an any contact with the faculty. For 29% feedback does not seem to reduce to their anxiety about a subject. Only 43% feels that feedback had been evaluation of their strengths and weeknesses.52% of the students stated the feedback tells them the expectation of the faculty and only 35% of the students had been motivated to study by the feedback given to them.76% strongly agreed that feedback is important to them.82% agreed that they need feedback to improve in future performance. For 65% verbal feedback was easier to understand.

**Demographic details:**

Fig 1: Percentage of Male and female students

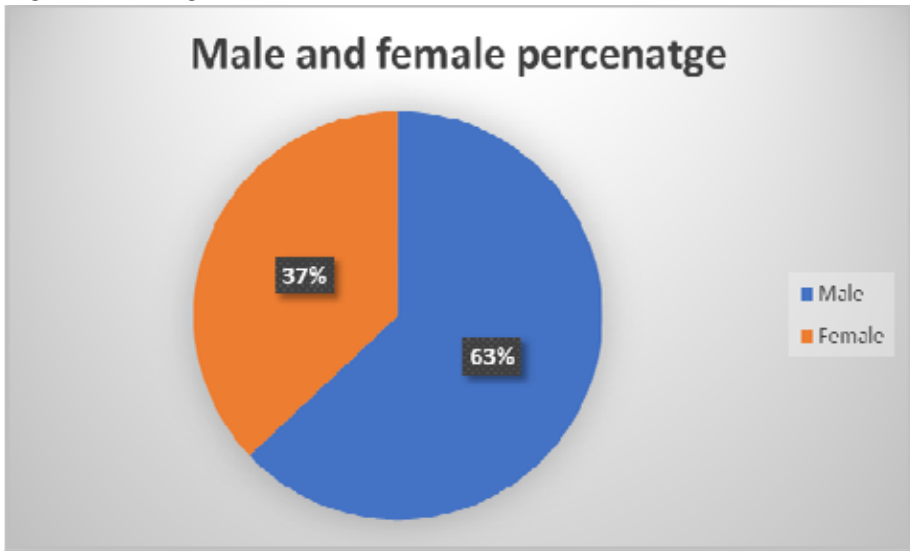


Fig 2: Details of percentage of Nationality of students

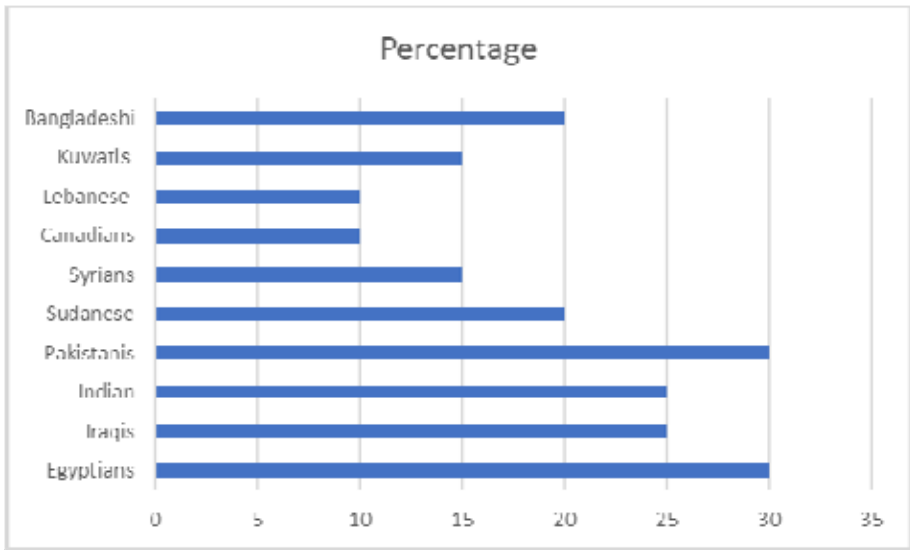


Table 1: Questionnaire regarding perception, attitude and practices of students regarding role of feedback in their learning

Questionnaire	Study groups[n=200]				Results/feedback [% &n]				
	Medical [N=50]	Dental [N=50]	Undergrad uate nursing [N=50]	Postgradu ate nursing [N=50]	Disagree	Strongly disagree	Neutral	Agree	Strongly agree

1.Preferences and Perceptions for Feedback among Students									
a. Receive enough feedback from their faculty	40 80%	38 76%	34 68%	36 72%	20 10%	22 11%	10 5%	74% 148	
b. Feedback they receive is relevant to the goals as a student	37 74%	35 70%	24 48%	30 60%	30 15%	30 15%	14 7%	63% 126	
C.Faculty give useful feedback with enough information	44 88%	40 80%	36 72%	38 76%	18 9%	15 7.5%	9 4.5%	79% 158	
d.Feedback on assignments, quiz and examination are always provided within 2 weeks	46 92%	44 88%	38 76%	42 84%	13 6.5%	11 5.5%	6 3%	85% 170	
e.Feedback given to them is applied to their studies and work	32 64%	30 60%	25 50%	27 54%	36 18%	34 17%	16 8%	57% 114	
f.feedback is given in the way that everyone in the class is able to participate	41 82%	39 78%	35 70%	37 74%	24 12%	18 9%	6 3%	76% 152	
g.teaching staff is active in providing the feedback	33 66%	31 62%	28 56%	30 60%	34 17%	31 15.5%	13 6.5%	61% 122	
2.Types of the feedback									
a. feedback had been in the form of verbal feedback from the faculty	38 76%	37 74%	35 70%	36 72%	22 11%	18 9%	14 7%	73% 146	
b.feedback they get is from peer and self assessment feedback which they get during	11 22%	9 18%	6 12%	8 16%	75 37.5%	65 32.5%	26 13%	17% 34	

active learning sessions like problem based learning etc									
<b>3.Perception of the feedback</b>									
a. when faculty gives them feedback they care about them	34 68%	32 64%	28 56%	30 60%	33 16.5%	27 13.5%	16 8%	62% 124	
b. feedback makes them realize that they need to improve their performance in the studies	48 96%	46 92%	41 82%	43 86%	10 5%	8 4%	4 2%	89% 178	
c. deserve feedback when they had put in so much efforts into study and assignments	49 98%	48 96%	46 92%	47 94%	5 2.5%	3 1.5%	2 1%	95% 190	
d. when they received feedback from the faculty they felt encouraged	40 80%	38 76%	34 68%	36 72%	22 11%	20 10%	10 5%	74% 148	
e. believed that they consider feedback to be an any contact with the faculty	40 80%	38 76%	33 66%	35 70%	24 12%	22 11%	8 4%	73% 146	
f. feedback does not seem to reduce to my anxiety about a subject	17 34%	15 30%	12 24%	14 28%	65 32.5%	55 27.5%	22 11%	29% 58	
g. feedback had been evaluation of their strengths and weaknesses	13 26%	11 22%	9 18%	10 20%	68 34%	62 31%	27 13.5%	43% 86	

h. feedback tells them the expectation of the faculty	29 58%	27 54%	23 46%	25 50%	42 21%	40 20%	14 7%	52% 104	
i. students had been motivated to study by the feedback given to them	21 42%	18 36%	15 30%	16 32%	55 27.5%	50 25%	25 12.5%	35% 70	
j. feedback is important to me	41 84%	39 78%	35 70%	37 74%	25 12.5%	18 9%	5 2.5%	76% 152	
k. they need feedback to improve in future performance	44 88%	42 84%	38 76%	40 80%	17 8.5%	13 6.5%	6 3%	82% 164	
L. verbal feedback was easier to understand.	36 72%	34 68%	29 58%	31 62%	40 20%	22 11%	8 4%	65% 130	

## V. DISCUSSIONS

Earlier studies [1] have stated an outstanding summary in their claim that “feedback is information with which a learner can confirm, supplement to, overwrite, tune, or rearrange information in memory, whether that information is domain knowledge, meta-cognitive knowledge, beliefs about self and tasks, or cognitive tactics and methods”.

There are many ways in which faculty can give feedback to learners and for learners to get feedback from faculty, peers, and other sources [2]. For learners, it means acquiring information about how and what they comprehend and misinterpret, finding guidelines and methods that they must take to improve, and seeking assistance to understand the goals of feedback can be accepted, modified, or rejected.

Feedback by itself may not have the influence to instigate further action. In addition, it is the case that feedback is not only given by faculty, learners and peers but can also be pursued by learners and peers and noticed by a student without it being purposefully pursued. In our study we tried to analyze that how effective is feedback to the students. Studies [5] done earlier have reported a synthesis of over 500 meta-analyses, signifying approximately 20 to 30 million students, on different effects on learner accomplishments. Few studies [3]- [4] have demonstrated that feedback is not essentially a reinforcer. The most methodical study addressing the effects of different types of feedback was conducted by Kluger and DeNisi [6]. Their meta-

analysis included studies which showed that the power of feedback is persuaded by the direction of the feedback comparative to implementation on a task. Specifically, feedback is more applicable when it gives information on correct rather than incorrect responses and when it builds on changes from previous streams. In our study also, student stated that feedback on positive correct information is more positive. In our study we also tried to analyze that whether the effective feedback was able to answer three major questions asked by a faculty and/or by a learner and these questions are

1.What is the aim? 2.What advancement is being made toward the goals? And What undertakings need to be undertaken to make improved development?

These questions agree to concepts of feed up, feedback, and feed forward. And it was found that effective answers to these questions helped to lessen the gap which was partly dependent on the level at which the feedback works. These included the level of errand performance, the level of process of understanding how to do a task, the authoritarian level, and/or the personal level. Feedback had conflicting effects across these levels.

In a study by Black and Wiliam [7] it was concluded, that “the provision of challenging and extensive feedback lead to greater student engagement and higher achievement”. Too often, the feedback given is not related to attaining success on critical dimensions of the goal.

For example, learners are given feedback on spelling, presentation, and in writing when the yardstick for accomplishment requirement, is totally different. And hence such feedback are totally unproductive [8]- [9]. There has been much study on the timing of feedback, particularly comparing immediate and delayed feedback. Kulik and Kulik [10] reported that at the task level, some delay is beneficial, but at the process level during engaging in processing classroom activities immediate feedback is beneficial . Other studies also have stated the similar findings [10]- [16].

In medicine, the scholastic emphasis has shifted away from knowledge gaining and preparation of learners for meeting healthcare needs. In this competency-based approach to teaching, students are expected to reach specific milestones. Detailed and quick feedback on performance, coupled with chances to improve, helps them gain these milestones [17]- [18]. Defeyter & Krackov and Pohl [18] have presented a Curriculum Development model in which thoughtful practice plays an essential role in building expertise as the learners acquire knowledge, skills and behaviors in an iterative process over time. In this curriculum model, learners should receive regular feedback and have an chance to discuss their abilities with their faculty in relation assessments. When we think about feedback in this way, we see that positive feedback helps students enhance their learning while working to achieve the desired outcomes.

Our study similar to the study done earlier showed that the Feedback links the teaching and assessment roles of faculty and proves their assurance to the students [19]. Many students see the advantage of having peer- assessment [20-21]. Even in our study the similar findings were noted and peer assessment was appreciated by the students. Furthermore, across different studies undergraduate and graduate students have reported positive effects of engaging in peer-feedback including an improved ability to reflect [21-22]. Studies done earlier have also described about how much students admire getting and applying feedback. Few studies have also stated

limitations of using peer-assessment, in particular that it can be time-consuming both for learners and educators [22]. Mostly studies have shown that, peers do not always identify imperfections in one another's work and can be less likely than experts to suggest improvements [23-24]

In our study the learners have stated that feedback, when given positively, is useful in helping them measure their performance and making action plans for amendment [25-26].

In our study, we concluded that simply providing more feedback is not of much use, because it is must to consider the type of the feedback, the timing, and how a learner "receives" this feedback. And the ways and approach in which learner interpret feedback information is the vital to develop positive and valued concepts of self-efficacy about learning, which in turns leads to further learning. Faculty need to view feedback from the perspective of the learners involved in the learning and become active in providing information addressing the feedback questions and developing ways for learners to ask these questions to themselves. Learners view feedback as the responsibility of faculty, as they think that it is their job to provide feedback by deciding for the learners as how good they are going, what the aims are, and what to do in the future. And it was also studied that if the feedback is given to the learners in the positive way manner, it has shown a incredible change in learners attitude.

**Ethical issue:** Ethics approval was obtained from -RAKMHSU Research and Ethics Committee. Name of the Institute :RAK Medical and Health Sciences University. Reference no: RAKMHSU-REC-71-2014

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