

# Report of Medical Physics Program Evaluation Survey (PES)

[Students Evaluation]

Program evaluation surveys are conducted to analyze the feedback of students for overall services and facilities in terms of education, resources, learning, overall evaluation, future support, suggestions for improvements and their likeness and dislikes for the program especially and the department in general. So, it can help the department at different levels to revise and plan the process. It can also be helpful for the department to hear a true voice and feedback of students anonymously for taking steps towards the improvements and seeing with the perception of students. It also measures the satisfaction rate, which is very important for any organization for planning and strategic process towards the further development.

### **Research Method**

Students from level 5 up to level 8 were invited to participate in an online survey about medical physics program evaluation. The survey was active for about two weeks, from **November 1 to November 15, 2017**.

The survey included 25 questions. Most respondents took between 15 to 20 minutes to complete. Survey questions were divided into four sections:

- *Help and Support in Learning questions* about the instructors' role in supporting, consultation, and caring students' progress in the program.
- *Resources to Support Learning questions* about the library resources, classrooms and labs quality, computing facilities, religious observances, and extracurricular activities
- *Evaluation of Learning questions* about working effectively in groups, and career skills communication improvement.
- *Overall Evaluation* question to indicate the degree of satisfaction of respondents about the program as it is an applied program related to the work in field

Survey respondents rated the importance of applicant data using a five-point scale, ranging from 1 = strongly disagree to 5 = strongly agree. They also responded to 2 open ended questions and provided write-in responses via text boxes. Refer to **Appendix A** for a copy of the survey.

## Analysis of Results

Survey data were analyzed by computing means, standard deviations, percentages, and counts of survey participants who selected a given response. Additionally, writing responses were reviewed and summarized.

However, the students taken this survey is 44 in total, only 9.1% of them are graduate students (level 8), while the rest of students taken the survey are from level 5 up to level 7 to have a feedback of the program at levels of specialty. About 50 % of students are from level 7 since students finish all their academic courses of the program in this level before training in field in level 8. The percent of students participated in this survey for each level is represented in the graph below:

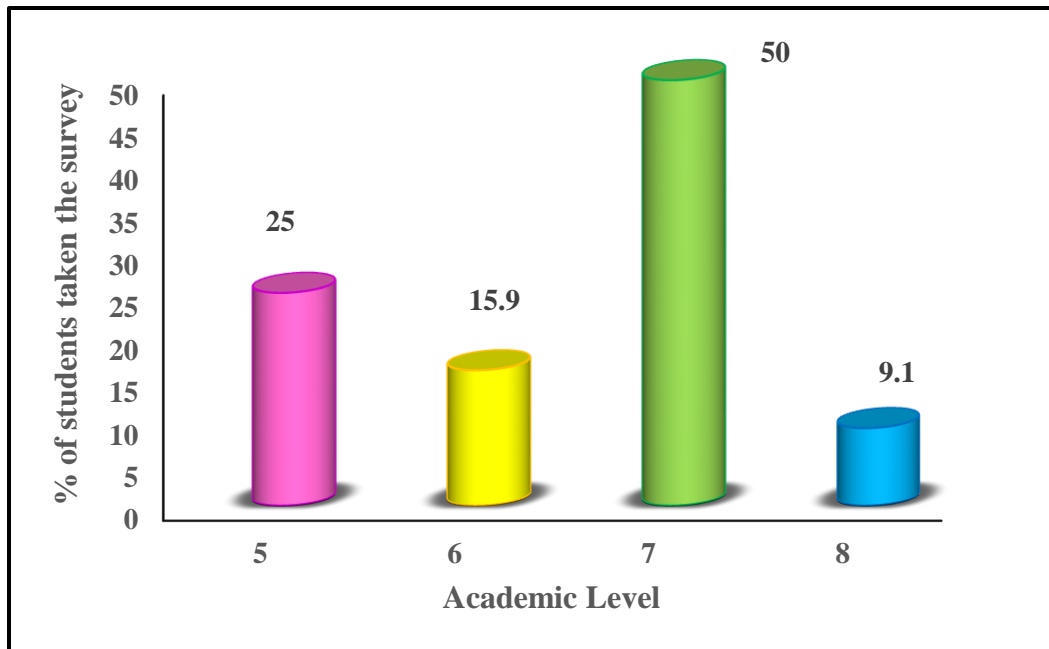


Fig.1: The percent of students participated in the program evaluation survey for each academic level from level 5 up to level 8.



## Part 1:

In program evaluation survey, part 1 contains 7 questions about “Help and Support in Learning”. The results are

Part 1: Help and Support in Learning							
Q.	Question 1	Question 2	Question 3	Question 4	Question 5	Question 6	Question 7

stated below:



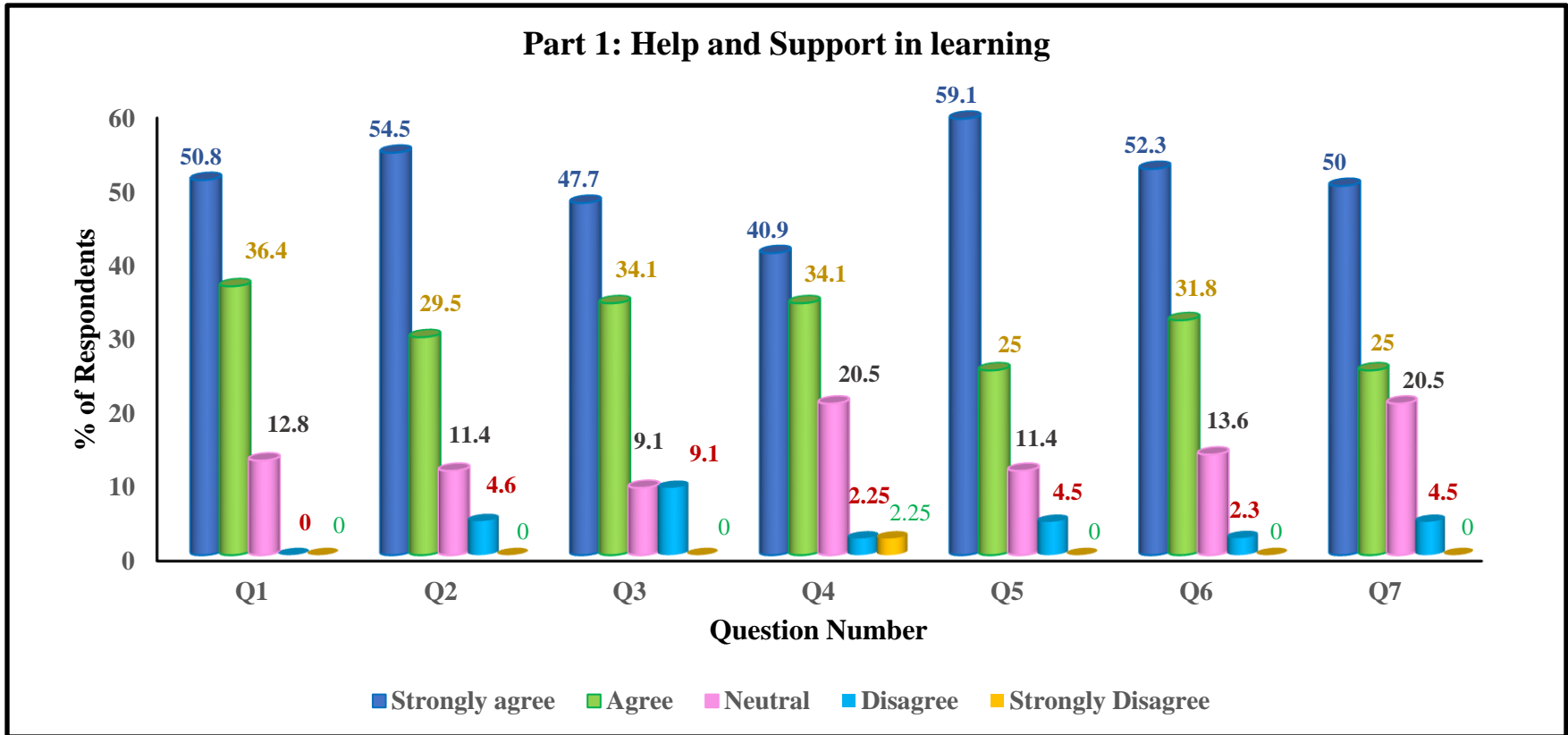


Fig.2: The percent of respondents for each question in Part 1, Help and Support in Learning, of the program evaluation survey

The program surveyed by a total of 44 students. The results of part 1 (Help and Support in Learning) showed that 100 % students responded to the questions of this part. Overall, 82% of responses were “Agree” and favorable toward satisfaction, 11.5% of responses were “Neutral”, 4.5% of responses were “Disagree”, and 0% had no responses.

Questions 1,2,5 and 6 yielded largest number of “Agree” responses with 85% of respondents agreeing that they felt supported by their instructors and felt they had someone to talk to in everything related to their academic program.

The largest number of “Disagree” responses corresponds to Question 3. Almost 9% of respondents disagreed with the statements indicating they helped to do all their efforts in their academic education.



## Part 2:

In program evaluation survey, part 2 contains 7 questions about “Resources to support Learning”. The results are

Part 2: Resources to Support Learning							
Q.	Question 8	Question 9	Question 10	Question 11	Question 12	Question 13	Question 14

stated below:



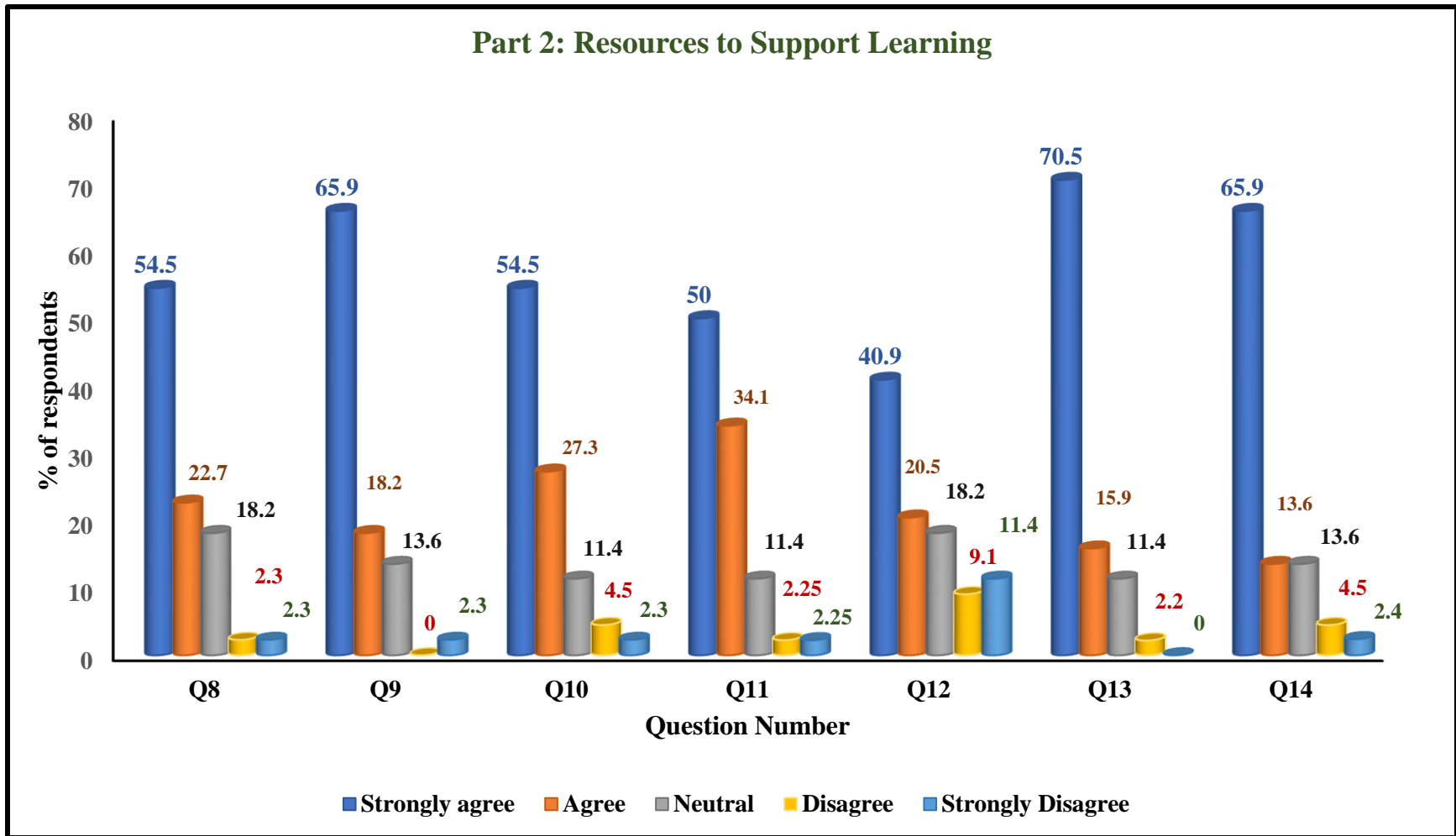


Fig.3: The percent of respondents for each question in Part 2, Resources to Support Learning, of the program evaluation survey

The program surveyed a total of 44 students. The results of part 2 (Resources to Support Learning) showed that 100 % students responded to the questions of this part. Overall, 80% of responses were “Agree” and favorable toward satisfaction, 13 % of responses were “Neutral”, 6.5 % of responses were “Disagree”, and 0% had no responses.

Questions 9, 10, 11, and 13 yielded largest number of “Agree” responses with 84% of respondents agreeing that they were satisfied with the availability of both library resources and religious observances, in addition to the good quality of the classrooms and computing facilities.

The largest number of “Disagree” responses corresponds to Question 12. Almost 20 % of respondents disagreed with the statements indicating that adequate availability for extracurricular activities including sporting and recreational activities.

### Part 3:

In program evaluation survey, part 3 contains 7 questions about “Evaluation of Learning”. The results are stated

Part 3: Evaluation of Learning							
Q.	Question 15	Question 16	Question 17	Question 18	Question 19	Question 20	Question 21

below:



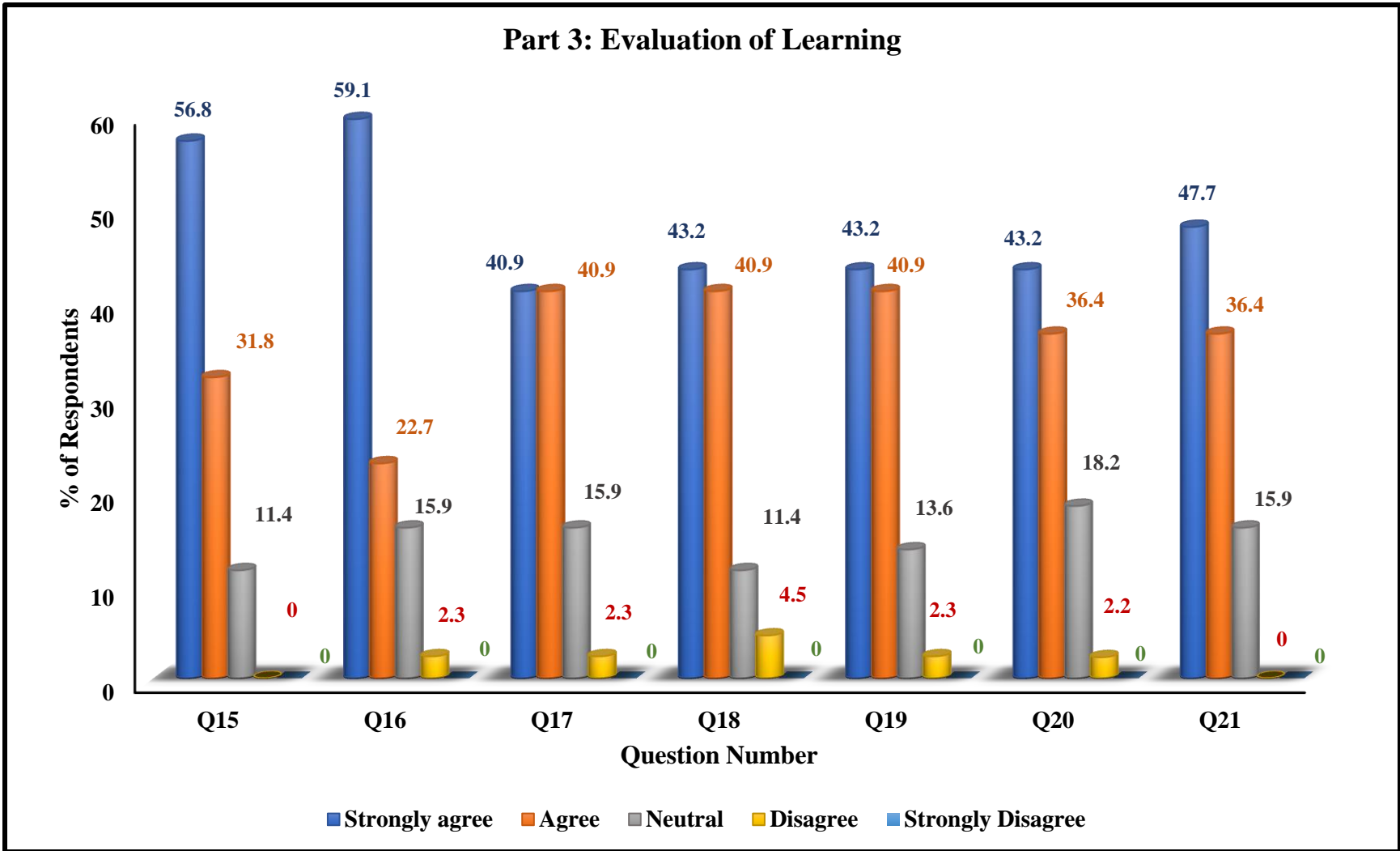


Fig.4: The percent of respondents for each question in Part 3, Evaluation of Learning, of the program evaluation survey

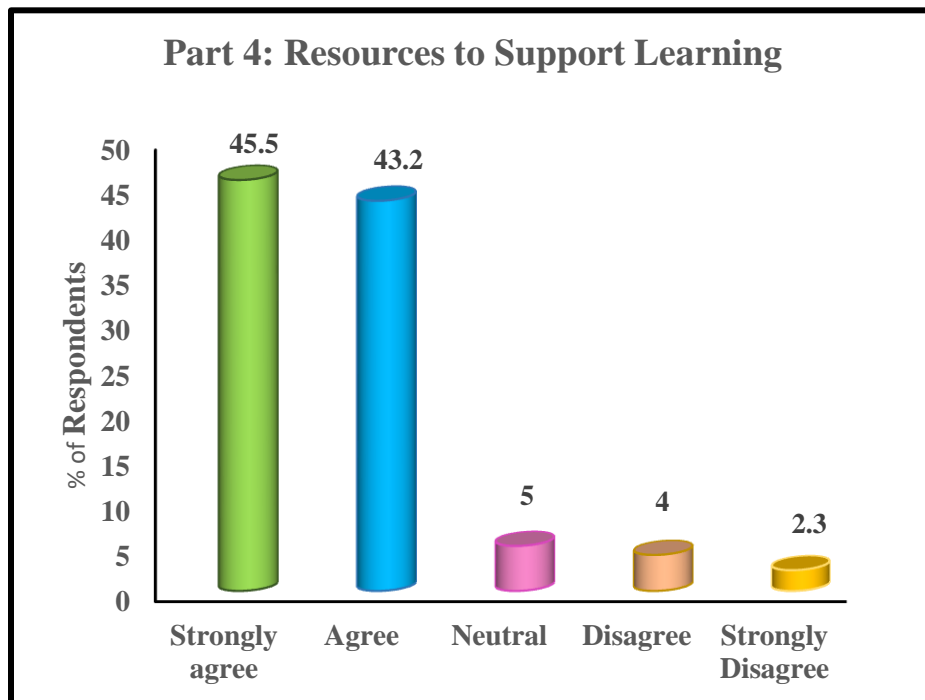
The program surveyed a total of 44 students. The results of part 3 (Evaluation of Learning) showed that 100 % students responded to the questions of this part. Overall, 84% of responses were “Agree” and favorable toward satisfaction, 15 % of responses were “Neutral”, 2.3 % of responses were “Disagree”, and 0% had no responses.

Questions 15, 18, 19, and 21 yielded largest number of “Agree” responses with 84% of respondents agreeing that they felt an improvement in their communication skills, in addition to the ability to work effectively in groups.

The largest number of “Disagree” responses corresponds to Question 18. Almost 4.5 % of respondents disagreed with the statements indicating that improvement of the carrier communication skills in field.

#### Part 4:

This question is to assess the "Overall Evaluation". The results of part 5 (Overall Evaluation) showed that 100 % students responded to the questions of this part, 83.7 % showed the satisfaction and 5% neutral where 6.3 % showed their dissatisfaction and overall it gives a satisfactory response to this service. The percent of respondents to this part of the program evaluation survey is represented in the graph below:





## **Part 5:**

Part 5 contains 2 open ended questions asking the students about their likeness and dislikes for the program. 95 % of students responded to these questions. Most of students stated that courses related to medical physics major were very useful and entertain able. They liked their major because of some Instructors who were very helpful to them. Additionally, the most thing that they liked is the way of teaching which affected their ability to work effectively and liked the activities because it improved their skills in field.

Most of students disliked the lack of both sports facilities and extracurricular activities like trips etc. Students also commented on their needs for more workshops and training in field. Moreover, the practical part of the program was not enough for them and expressed about their need for more practicing in field.