

# IQAC Curriculum feedback analysis report 2016-17

## Department of Physics, Cusat

### Feedback by students

No :	Survey question	Average score in 10
1	How would you rate the training you received in Physics from the Dept of Physics, Cusat.	9.2
2	Quality of teaching	9.4
3	Curriculum offers the opportunity to learn contemporary topics in physics	8.8
4	Learning satisfaction level	8.87

No	Specific comments and suggestions
1	As we have three elective courses in fourth semester, we didn't get enough time for our master's project work. I think that's why we are restricted to do our project within the department itself. It will be better if the fourth semester is completely allotted for the master's project.
2	Number of class hours may be reduced and giving more assignments, so that one have a taste of learning by self more( we are M. Sc students)
3	It will be better to train students to face interview and provide some workshops in other institutes which allow to use characterization tools and also make confident English speaking .
4	the question paper patterns can be improvised.
5	Exam pattern can be improved from the usual essay type questions to a little more challenging questions(problem oriented type).

# IQAC Curriculum feedback analysis report 2017-18

## Department of Physics, Cusat

### Feedback by students

No :	Survey question	Average score in 10
1	How would you rate the training you received in Physics from the Dept of Physics, Cusat.	8.75
2	Quality of teaching	8.83
3	Curriculum offers the opportunity to learn contemporary topics in physics	8.25
4	Learning satisfaction level	8.42

No	Specific comments and suggestions
1	<p>The courses like Nuclear Physics, Solid State Physics, Spectroscopy should be taught only after completing the courses like Quantum Mechanics I, Quantum Mechanics II, Statistical Physics and Mathematical Physics.</p> <p>There should be Condensed Matter Physics and Statistical Physics II elective courses. If teachers are not available for teaching these courses then there should be other facilities ( like online lectures given by other universities with certain standard ) for the students to attend.</p> <p>Laboratory: electronics, electrical, experiments and computational experiments (programming) should be of equal weightage in the lab curriculum of every semester. Advanced practical course doesn't include computational experiments at all which is very bad.</p> <p>Experiment + computational simulation combination can also be tried.</p> <p>Seminar presentation can be conducted in more than one semester so that people read and understand what they like to do in a consistent way.</p> <p><b>DEDICATED SEMESTER FOR PROJECT. NO COURSES SHOULD BE CONDUCTED IN THIS SEMESTER. PEOPLE SHOULD BE ABLE TO GO TO OTHER INSTITUTES FOR PROJECT.</b></p>
2	I am very satisfied to learn at CUSAT. The teachers here are of utmost quality. A student can utilise CUSAT effectively to build his or her

	carrer in academics. One suggestion from my side is to provide some option for specialisation in Physics like 'MSc Physics with specialisation in electronics' or 'MSc Physics with specialisation in nanotechnology' etc. if possible
3	Should include a platform to learn programing language from the first semester itself..The project period should be increase to 1 year and also need to allow students to do project in other institutions..
4	It would be nice if you could improve the quality of exams ( especially end semester ), by excluding essay type questions that has ready made answers. Also the internal examination can be an open book type.
5	I would prefer to change the current exam pattern.

# IQAC Curriculum feedback analysis report 2018-19

## Department of Physics, Cusat

### Feedback by students

No :	Survey question	Average score in 10
1	How would you rate the training you received in Physics from the Dept of Physics, Cusat.	8.6
2	Quality of teaching	8.8
3	Curriculum offers the opportunity to learn contemporary topics in physics	8.2
4	Learning satisfaction level	8.2

No	Specific comments and suggestions
1	Solid state physics should be included after statistical mechanics course
2	Nothing, all good
3	Excellent
4	Kindly restructure the exam pattern to include a problem oriented approach.

# IQAC Curriculum feedback analysis report 2019-20

## Department of Physics, Cusat

### Feedback by students

No :	Survey question	Average score in 10
1	How would you rate the training you received in Physics from the Dept of Physics, Cusat.	8
2	Quality of teaching	8
3	Curriculum offers the opportunity to learn contemporary topics in physics	8.09
4	Learning satisfaction level	7.91

No	Specific comments and suggestions
1	Collaboration with institutions of national and international level importance may be increased, placement programmes required and efforts to take research to commercial or industrial scales would do good
2	<p>I feel like the syllabus followed is a bit outdated in the sense they follow very old approach to teaching concepts. Focussing on theory is not only what you need, but also problem-solving.</p> <p>2. A semester exam in which you score 32/50 just through derivations is not what a learner deserves. Exams should become problem-oriented, and should test the conceptual understanding of the student.</p> <p>3. It is very disappointing for me to see that the lab practicals are being given lesser and lesser importance every new academic year. Apart from how effectively we use the lab for our M.Sc. project, there's nothing much for us to gain from our practicals courses/lab sessions. Lab practicals have to be given same importance as you give to teaching theory.</p> <p>4. Department of Physics, CUSAT has a very good group of faculty members. But there's still room for improvement of teaching standards. Failing to complete the syllabus in time must be completely avoided.</p>
3	Syllabus can include more practical concepts and competitive exam oriented training
4	Coding skills and machine learning skills can be inculcated
5	Quality of teaching should be improved. The lectures we got were

	pathetic, especially from the adjunct faculties. Teaching methods of Titus sir, Sasidevan sir & Charles sir etc are really appreciable. Others should also try to improve the quality of lectures.
6	Working out the credits and say maybe moving papers around to free up the 4th semester for exclusively the master's thesis work or at the most one elective and project would be nice. I felt that the 4th semester as it was structured during my study to be very hectic.

# IQAC Curriculum feedback analysis report 2020-21

## Department of Physics, Cusat

### Feedback by students

No :	Survey question	Average score in 10
1	How would you rate the training you received in Physics from the Dept of Physics, Cusat.	7.5
2	Quality of teaching	8.3
3	Curriculum offers the opportunity to learn contemporary topics in physics	7.5
4	Learning satisfaction level	7.3

No	Specific comments and suggestions
1	<p>1. There was no computational (programming, DFT, AIMD) optional course during our MSc and I think this was one drawback considering the wide use of computational methods in present day research.</p> <p>2. It would have been better if a detailed course (optional) was available on characterization techniques of materials.</p> <p>3. One research paper seminar and/or a topic seminar for MSc student syllabus (given in front of whole dept) would be beneficial for students.</p>
2	Give importance to project works rather than theory .
3	Please try to include more problem and concept based learning rather than memory testing.
4	All students are pushed towards a single goal, exams and marks There is no enough cultural space, no interaction from outside the class room. Internal exams are too frequent. The lab experiments are out-dated. Teachers are excellent but, the infra structure and resources limits their capabilities.
5	The final semester must be for project alone. The laboratory experiments need to be research oriented. Also, the computational course must be a practical lab course.
6	The Syllabus present now is effective for learning.
7	Should add condensed matter separately in the the curriculum

8	<p>Updating the syllabus focusing on contemporary research topics and more advanced topics will be helpful.</p> <p>Including credit for the courses taken from the online platforms such as coursera can boost the exposure for the students.</p>
9	<p>The M.Sc. program should involve more participation from the students rather than them just listening to the classes by the faculty. This could be through regular discussions, tutorials, assignments and sessions where students get a chance to understand topics themselves and present it to the class. There must be an opportunity for students to undertake M.Sc. projects outside the Department.</p>