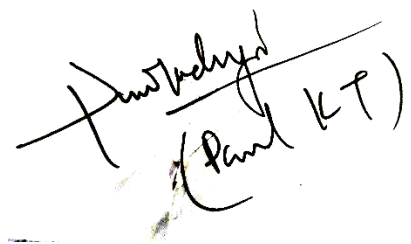


Analysis Report

Alumni Feedback 2020

Department of Physics & Electronics

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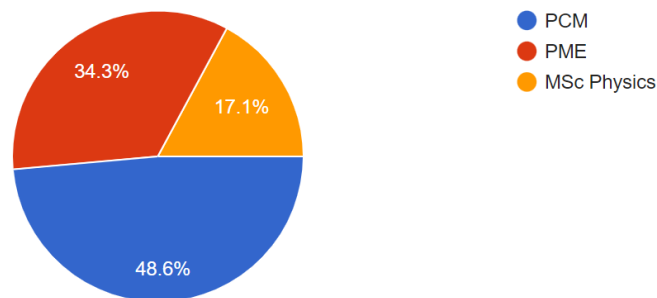
Dr. K. T. Paul,
Head of the Department.

Alumni Feedback June 2020

UG student's feedback – CME/PCM/PME/MSc Physics

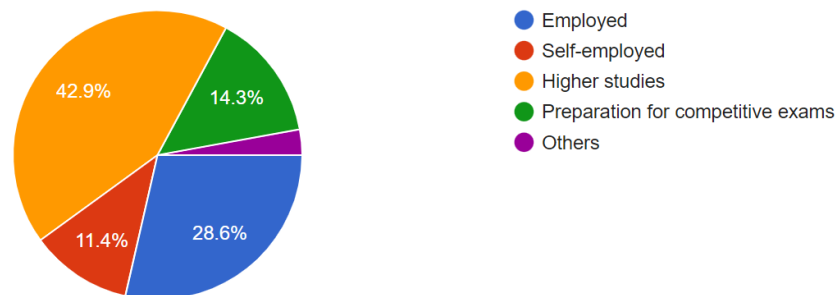
Name of the program completed

70 responses



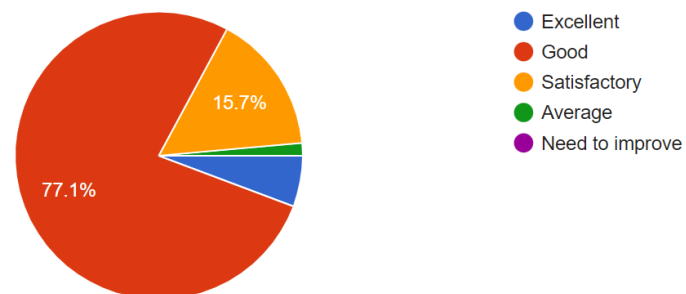
Employment Type

70 responses



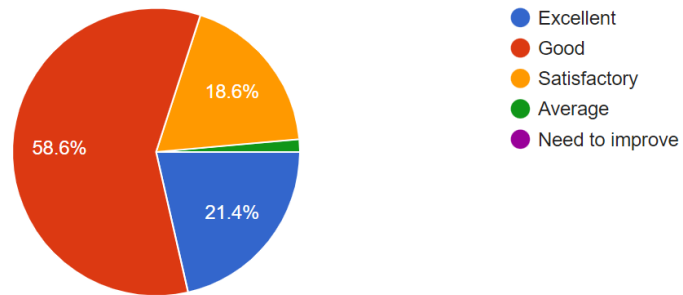
Is the curriculum updated on a regular basis depending on the current trends and advanced topics?

70 responses



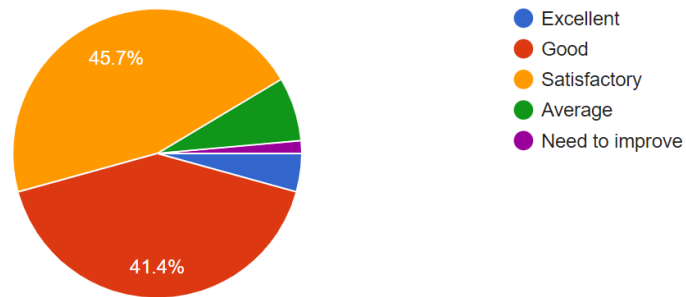
Does the curriculum orient the students towards higher education?

70 responses



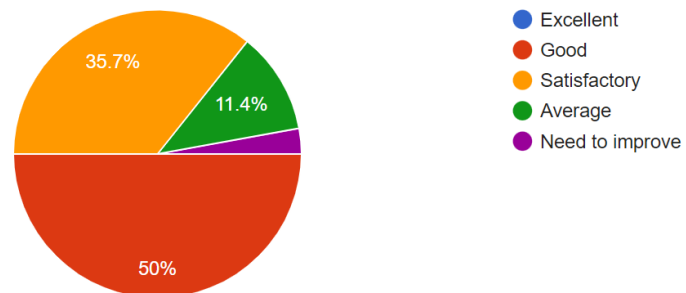
Does the curriculum provide employability weightage?

70 responses



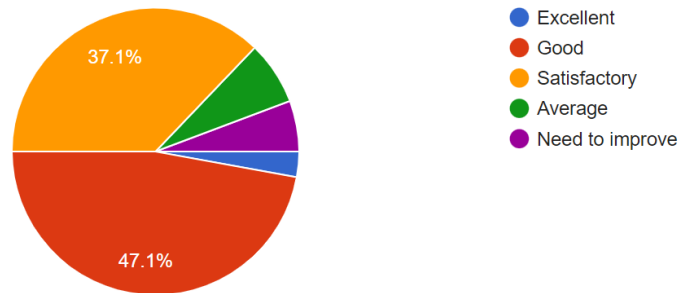
Does the curriculum meet the expectations of the industry?

70 responses



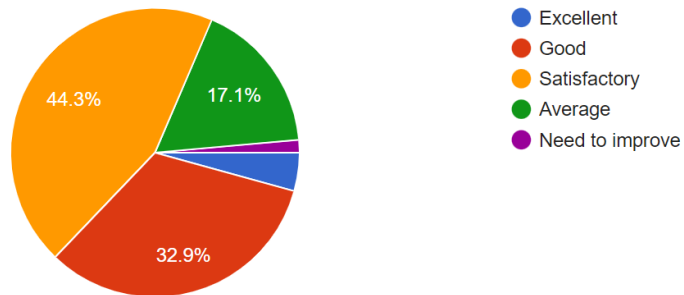
Does the curriculum enable the student to connect the knowledge to real life application?

70 responses



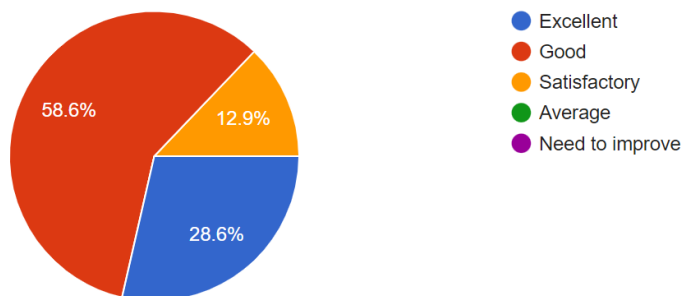
Does the curriculum encourage entrepreneurship?

70 responses



Do you think that the curriculum motivates the students for research and development?

70 responses



Actions Taken

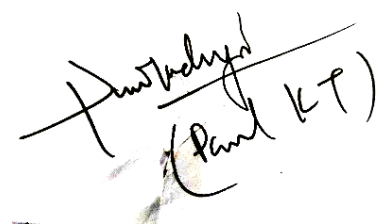
- Problem solving skills of the students must be given importance.
- Good
- labs need more recent and advanced instruments
- Improve the quality of exam papers. provide more analytical reasoning kind of questions.
- Need improvement in more inclusive extracurricular activities. More advanced lab equipments as well as experiments will be good.
- Improve the syllabus models and add more relevant topics.
- A wider resource pool of reference material will help in better self-preparation
- The course is giving equal importance to all the three subjects and it is giving a wide variety of opportunities for the students to explore
- Teaching can be improvised.
- Best thing about christ is it motivates us a lot for research
- It would be good if more focus is given to employability and industrial experience
- Relevance to current trends should be improved
- Physics labs can be equipped with better instruments
- relevant experiments needed. New library books related to core subjects will be of great help
- The course was apt for leading the students to higher education.
- Electives for Electronics should be increased and should be more relevant
- Provide more subject oriented teachers
- Electronics labs can be updated with the recent developments in the field.
- Advanced instruments should be added in our labs
- Can introduce more application approach in theoretical classes
- Physics and electronics theory should have more application based approach
- The current curriculum is outstanding
- update the syllabus on a regular basis depending on the current trends and advanced topics
- Need more useful experiments.
- More focus on placements can be given
- some new advanced topics should be added in our curriculum
- The curriculum is well designed to crack entrance exams for higher studies.
- Improve lab experiments
- The course structure is packed with content which results in giving less stress to some important aspects such as competitive exams. It would be better if the course also has enough competitive and industrial training
- Competition exams must be given importance.
- good curriculum
- Curriculum needed to be more real life related
- Placements needed
- Provide subjects which helps to get advanced problem solving skills
- More electives should be introduced and important to research should be given for students wanting to do higher studies abroad
- good experience

- Course can be updated according to the current developments in the field.
- The course structure helps a lot to learn the concepts of physics in depth and at the same time training oneself to think out of the book
- Alumni meetings should happen more often for better networking
- Please update the lab experiments.
- Christ has provided me with wide opportunities to achieve a job and secure my life.
- The course is well oriented with enough importance to academic learning and its application in real world
- More industry oriented approach to the course
- internet issues faced many times in online classes
- The syllabus and the overall academic environment in Christ provided me an excellent opportunity to achieve higher studies and pursue a research career.
- More research oriented teaching helps a lot. Also career related talks and sessions. Lab experiments need changes.
- worst experience with online classes, some very good lectures were disturbed because of internet issue
- The course is very good in learning the subject in depth as well as to get a good research exposure in different fields. But employment after the course is not easy and it would be better if things such as campus placement is introduced.

Analysis Report

Faculty Feedback 2020

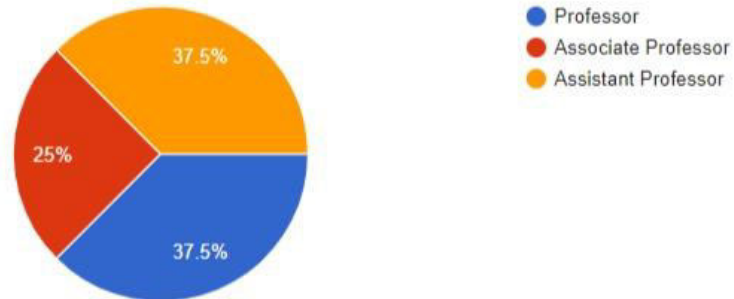
Department of Physics and Electronics

A handwritten signature in black ink, written in a cursive style. The signature appears to read 'K. T. Paul' with '(Paul K.T.)' written below it in a smaller, more legible script.

Prof. K. T. Paul
Head of Department.

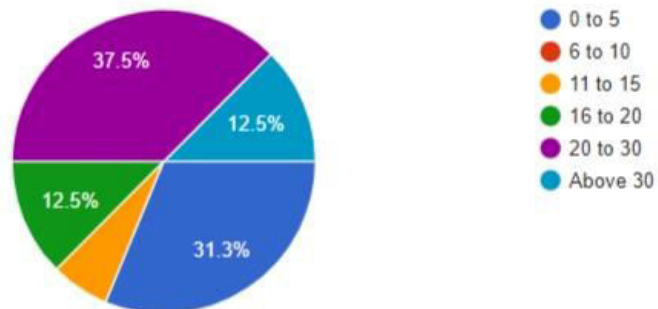
Designation

16 responses



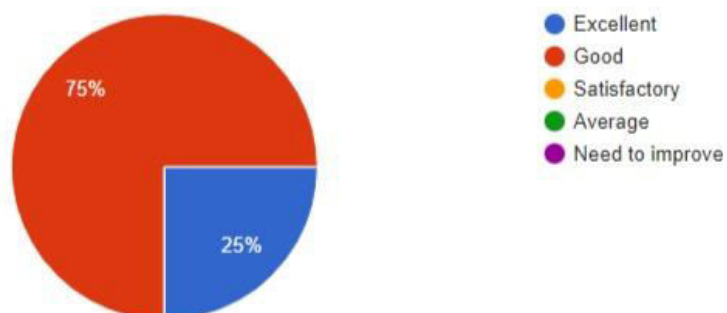
Experience in Teaching (Range of years)

16 responses



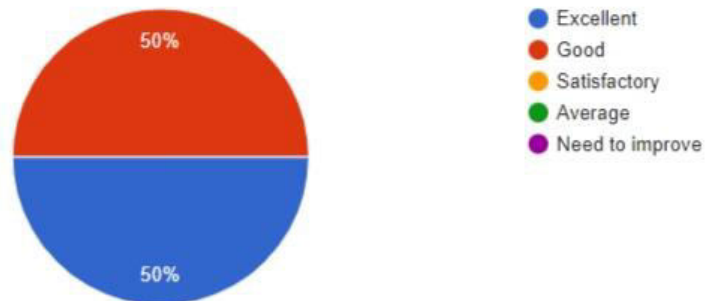
Does the curriculum satisfy the stated objectives and learning outcomes?

16 responses



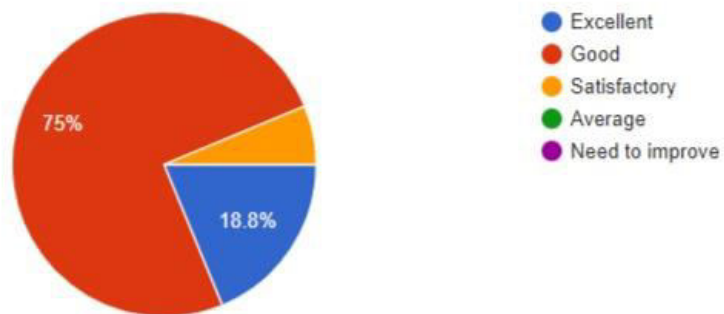
Do you have continuous processes to propose, modify, suggest and incorporate new topics in the curriculum?

16 responses



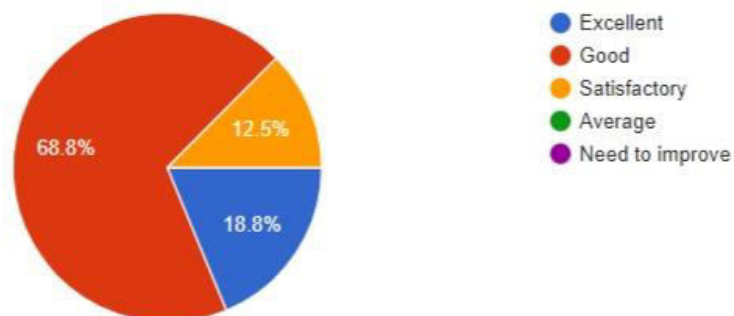
Is the curriculum effective in developing independent thinking?

16 responses



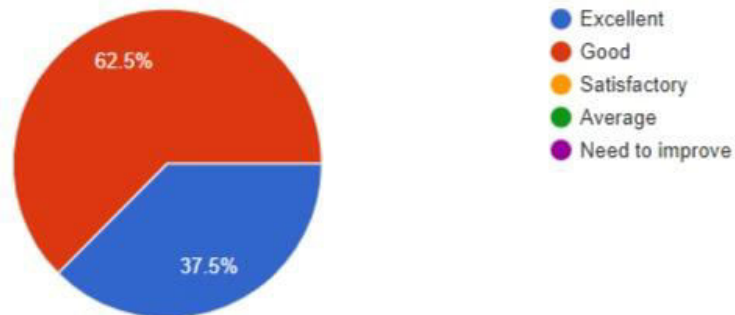
Does the departmental level expert committee meet to review the curriculum?

16 responses



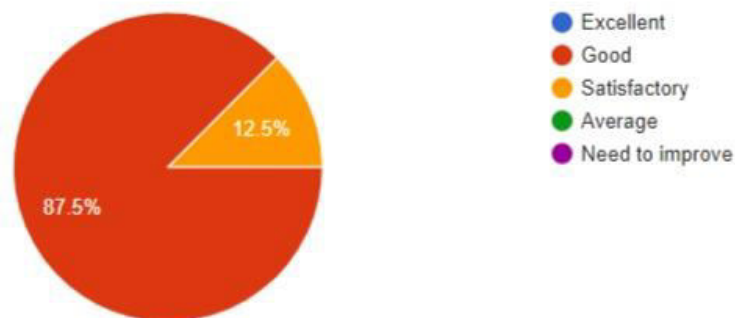
Does the curriculum enhance your knowledge in the subject area?

16 responses



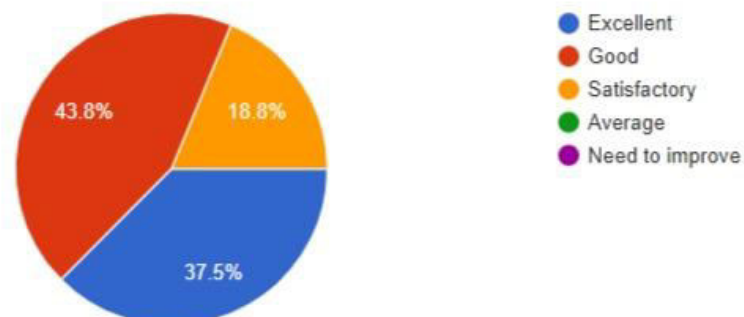
Does the curriculum enable the students to apply their knowledge in real life?

16 responses



Does the curriculum demand the teachers for research inclusive teaching?

16 responses

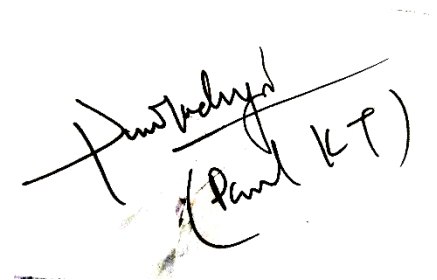


Actions Taken

- Skill based add on courses can also be introduced for the benefit of students
- The curriculum is designed to respond the current needs of the industry and enable the students to go for higher studies in reputed institutions and abroad. The curriculum will equip the students with necessary skills relevant for national and international standards.
- Major revamping of Solid state Physics and Materials Science papers proposed and approved. Additional viva-voce component included in assessment.
- Major changes were made in the courses on Solid State Physics and Materials Science. Further changes in the curriculum are essential in view of NEP.
- over all it is good
- Research component in UG and PG courses should be strengthened
- Three elective papers are introduced.This enable the students to select the subject as per their choice.

Analysis Report.
Industry Feedback 2020

Department of Physics & Electronics

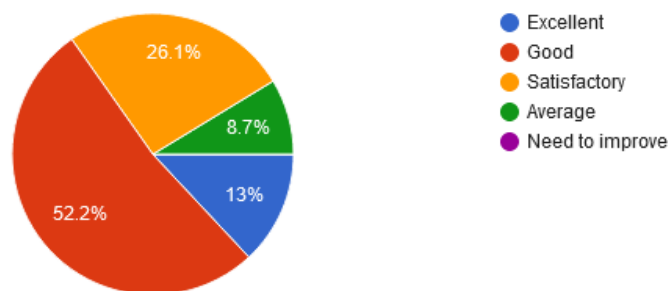
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Dr. K. T. Paul,
Head of the Department.

Industry Feedback June 2020

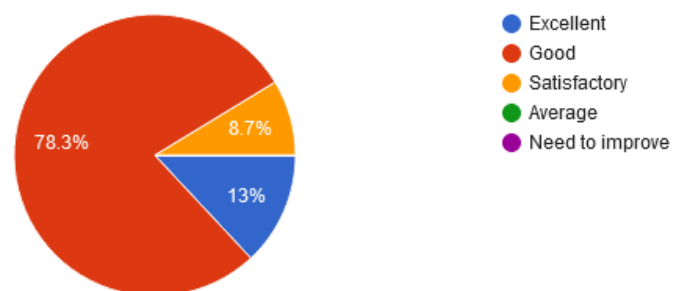
Does the curriculum provide employability weightage?

23 responses



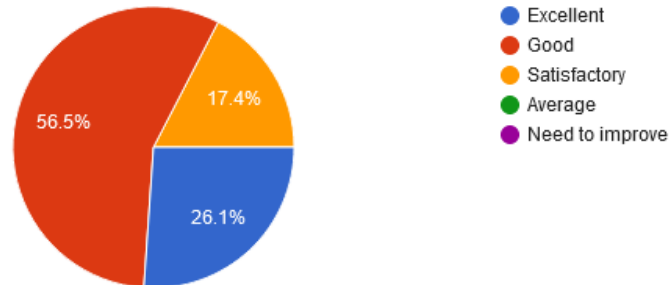
Is the curriculum updated on a regular basis depending on the current trends and advanced topics?

23 responses



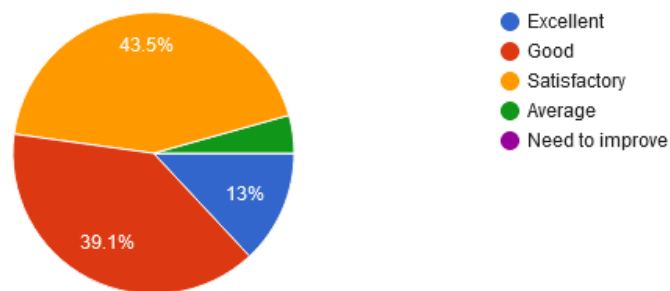
Does the curriculum orient the students towards higher education?

23 responses



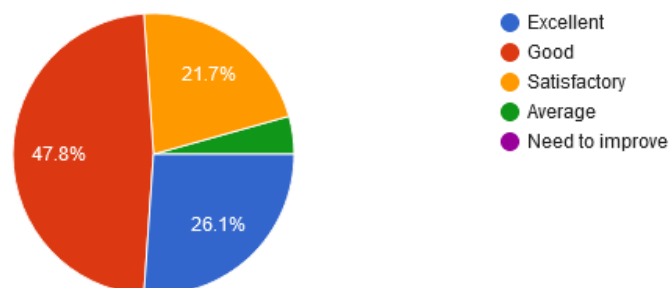
Does the curriculum meet the expectations of the industry?

23 responses



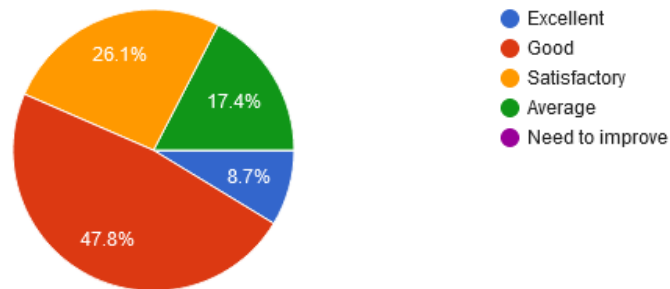
Does the curriculum enable the student to connect the knowledge to real life application?

23 responses



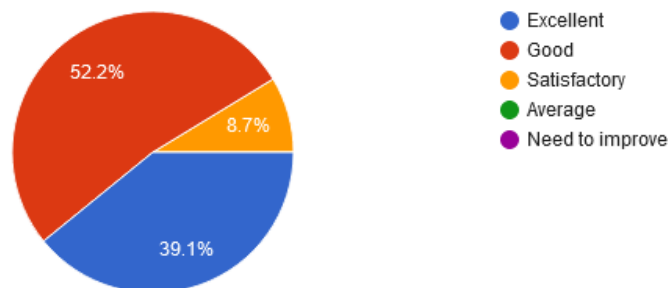
Does the curriculum encourage entrepreneurship?

23 responses



Do you think that the curriculum motivates the students for research and development?

23 responses



Action Taken:

General comments and suggestions: 20 responses

Included more optical related applications to the curriculum

Provide more motivation for students to do research.

The syllabus covers a broad spectrum of topics and introduces the students to various domains in astrophysics

Syllabus can be more industry oriented

More research grants and research projects should be introduced

It is good that they are trying to improve the entrepreneurship qualities in people

Curriculum should give more weightage to self-study

Overall it was good exposure for us

More encouragement towards entrepreneurship is required

The topics are good in learning the subject from the grassroots level and at the same time

giving more importance to research. But it should also give importance to employability too

Overall, the curriculum looks good. More care should be given to update the curriculum each year with most recent trends.

More advanced topics can be included

Good experience for industry exposure

More time can be allotted to last units of subjects

CHRIST have a very good reserach department in Physics. It helps young researchers to persue a carrer in this field. I would suggest they should intoduce more projects and research grants for expanding the research.

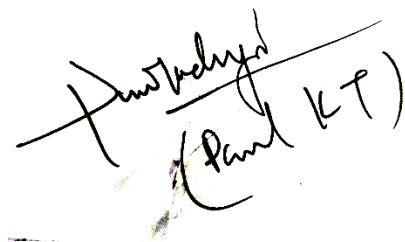
The topics are good enough to get a thorough understanding of the fundamentals of the subject and at learning the new trends in the field of research at various topics. To get a more complete understanding, try to include more handso-n sessions related to different research topics

Curriculum can be definitely improved. The courses lack the modernity, Better to adapt to the modern learning styles and improve up on the usual methods of teaching.

The curriculum is above average than the usual Indian standards. But the lack of courses that encourages the entrepreneurship is seen. Internships and regular support from resource personal can help in improving the curriculum.

Analysis Report
Student Feedback 2020

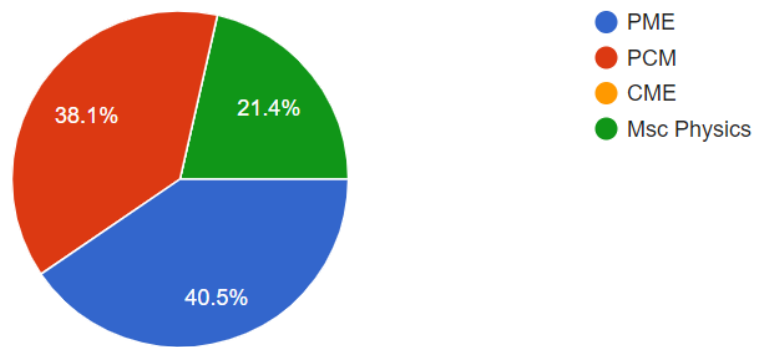
Department of Physics and Electronics
CHRIST (Deemed to be University)

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Dr. K. T. Paul,
Head of the Department.

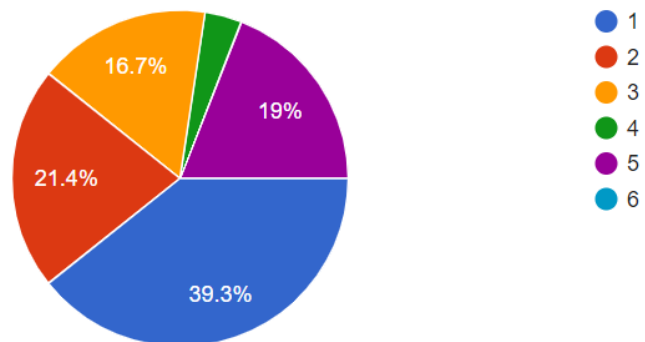
Name of the program

84 responses



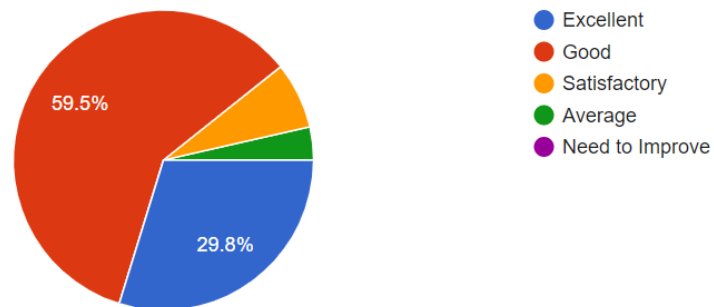
Semester

84 responses



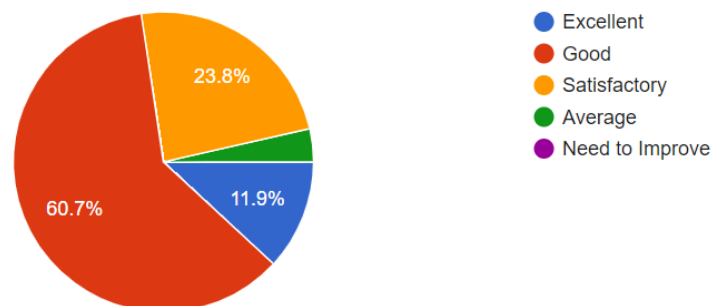
Does the content of the curriculum satisfy the stated objectives and learning outcomes?

84 responses



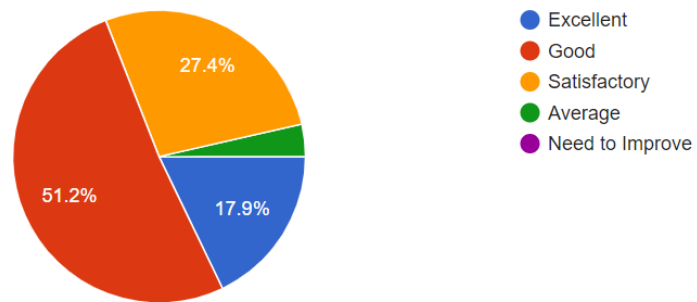
Does the curriculum cover advanced topics?

84 responses



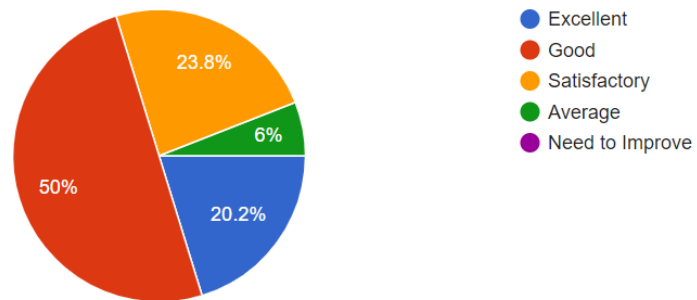
Whether the curriculum enhances your knowledge and skills in the relevant domain?

84 responses



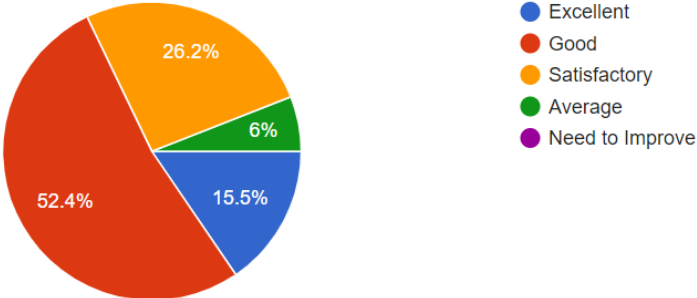
Is the curriculum effective in developing critical/ analytical thinking?

84 responses



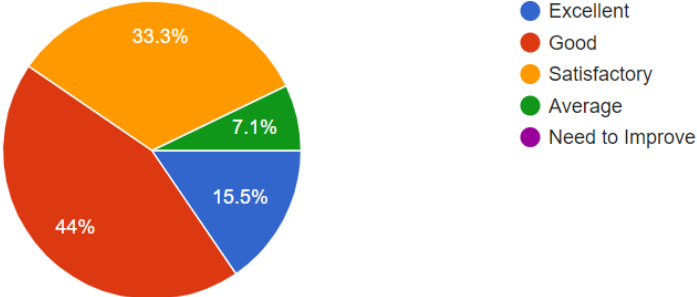
Are the text books and reference materials relevant to the content of the curriculum?

84 responses



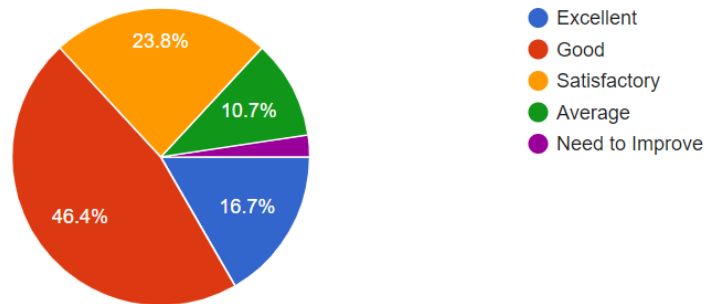
Does the curriculum orient towards higher education?

84 responses



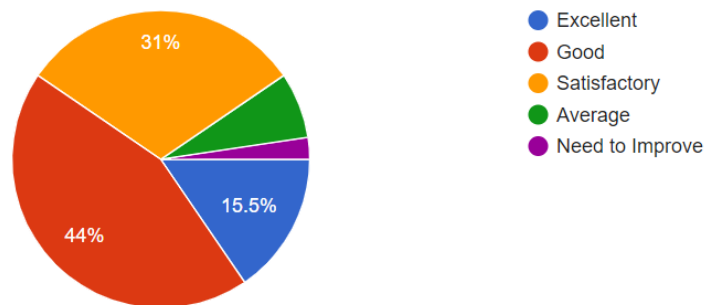
Does the curriculum enable the students to apply their knowledge in real life situations?

84 responses



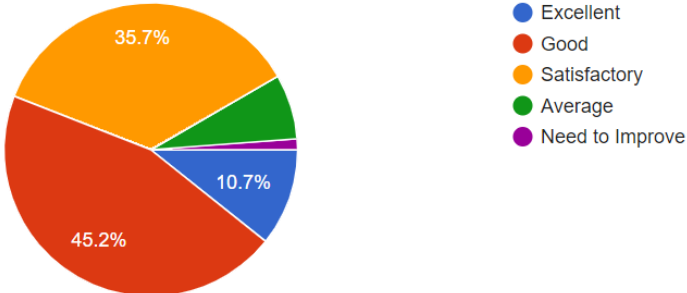
Is employability given weightage in the design and development of curriculum?

84 responses



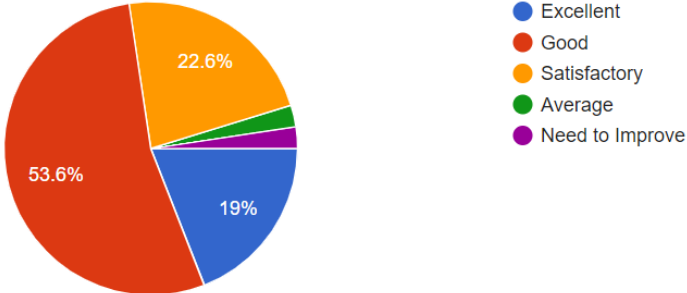
Does the curriculum promote self-study and attitude of research?

84 responses



Does the curriculum meet your overall expectations?

84 responses



Action taken

Need more experiments in lab

the syllabus was so convincing and understanding

The theory papers are well oriented towards understanding physics at grassroot level. The concepts were easy to understand even through online classes. The way classes arranged were a bit clumsy from my experience. Some important portions found to be avoided for the sake of online classes. But teachers helped a lot to learn the subject . But the practicals were not that helpful especially the simulations. The experiments were done without having much idea on the respective theory. If offline classes resume, we appreciate if you allow us to do some experiments again in the offline mode.

Daily online class works were more compared to offline mode

Need improvements in lab equipments

PHY151 Find difficulty in dealing with online platform

More theory classes should be included

reduction of exam frequency helps

PHY131 CHAPTERS NEED SOME CLARIFICATIONS.

MPH 441b need more research related topics

Online classes needs more management as we are facing many problems to attend them

MPH251 need more experiments

ELE 131 was difficult to understand in online mode

Improve syllabus

good

PHY151 Online platform were not so effective

Online classes were not much effective. The curriculum includes most of the relevant topic s. But, the online classes limited our accessibilities and all.

PHY151 was difficult to grasp as we were not having a hands-on experience

ELE151 lab wasn't very clear due to the online mode of instruction

Better platform for online experiments in PHY 151

MPH 433 need more problem solving syllabus that can help in competitive exams

The online mode in WebEx had many issues for me.

some of the syllabus from PHY331 can be taken to next semester as it is too much for one semester

Online classes are not so effective.

Improve exam pattern

Exam pattern needs some changes. MPH 251 is also tough. Nees some changes.

More updated syllabus needs to be incorporated.

A more pictorial approach to the subject could be provided.

More lab experiments needs to be included.

Online classes were good.

The theory papers are very informative. Practical can be improved.

It would be better if more advanced methods are adopted in online teaching

Kindly add more problem oriented syllabus in the first year

PHY151 could have a reduced set of experiments as online mode was not really helping

I faced internet issues while attending the classes

faced lots of internet issue problems from both sides

The online material given for ELE 131 was not sufficient for the exams

PHY151 Faced difficulty in online platform

improve lab experiments

PHY551A can be made elaborate. The paper felt too basic.

Being classes were online mode it could not fulfil all expectations

Include us in basic research in physics. ELE541A is very good.

NA

Overall, the curriculum is good and oriented towards higher education.

Improve the course plan for the subject MPH251

Online classes was so boring

Online classes was hectic and boring

We should have research orientend tours.

PHY131 REQUIRE SOME MORE TOPICS.

In the curriculum, more focus could be given to the application of knowledge in real life scenarios.

We were able to follow the theory through online classes. But some relevant topics are omitted. The simulated experiments are easy but we couldnt get much advantage from them.

We prefer to have offline practicals as far as possible.

Offline classes were better

the use of webex and zoom helped us in understanding the syllabus well in time and also clearly.

Some topics in PHY 151 should be adapted for online mode

Overall good

Webex has a lot issues, missed a few classes due to internet issues. We need more to time to labs for PHY551B and ELE551A.

improve MPH231 syllabus

PHY131 Informative

PHY131 Session was good but faced difficulty in online platform

theory should be more practical based

MPH 431 exam pattern has to be improvised

Virtual lab classroom was very informative and useful

Facing internet issues

ELE131 could have been made more elementary for better understanding

Expecting some real life applications

NEED SOME MORE TOPICS.

Overall satisfactory

Please make the curriculum more online friendly

need more placements

Syllabus is good

ELE 151 experiments should be updated

internet issues

In PHY331 remove some irrelevant topic

Need more equipments in lab

Network issues hampered the overall learning process

PHY 331 For the first time experiencing virtual classes and assignments. It was very beneficial and more interactive than offline classes.

Online classes are good but we faced many problems related to practical's worst experiences with online classes



Minutes of the 12th Meeting of the Board of Studies of Physics & Electronics held on Monday, 06 February 2020 at 10 am at the Room: 119, Block IV, CHRIST (Deemed to be University), Bangalore Central Campus.

In the Chair: Dr. Paul K T, Head of the Department of Physics & Electronics.

Secretary: Dr. Sreeja S Kartha

Members Present

All the members as per the attendance list were present.

Leave of Absence

There was no leave of absence.

Declaration of Quorum and Calling the Meeting to Order

The Chairperson declared the validity of the quorum and called the Meeting to Order. The Chairman welcomed all the members and the invitees.

Matters on the Agenda

1. To confirm the Minutes of the previous meeting held on 04.02.2019

The minutes of the previous meeting of the Board of Studies as per Annexure A to the Notice was duly reviewed and approved by the Board. It was noted that there were no matters arising out of the Minutes.

2. To consider and recommend the change in curriculum for MSc Physics Programme

The proposed major changes in the MSc syllabus for the papers, MPH332, MPH341a, MPH381, MPH431, MPH441a, MPH442a MPH481 and MPH482 were approved along with minor changes in papers such as MPH151, MPH251, MPH331 and MPH432. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to approval of the Academic Council.

3. To consider and recommend the change in curriculum for BSc Programmes in Physics & Electronics

The Board of Studies reviewed the proposed major changes in curriculum for courses in electronics such as ELE541C, ELE551C and ELE641C and approved the following curriculum with minor changes such as ELE331, ELE431, ELE531, ELE641A and ELE641B. The Board also reviewed the minor changes in UG Physics papers such as PHY541B, PHY641A, PHY641C and PHY651C as prepared and presented at the meeting. Having considered the validity of the

reasons for the suggested changes, the Board approved the same subject to approval of the Academic Council.

4. To consider and approve the Open Electives and Skill Enhancement Electives offered to the departments

The Board considered the revised curriculum for the Open Electives PHYOE2601 and PHYOE2602 for 30 hours. The Board also discussed and approved the proposed Elective Programmes in Science of Photography and Introduction to Cosmology as per details given in Annexure D of the Notice and approved the same. The Board appreciated the value adding benefits of the Course. The Board also approved the revised curriculum for the Skill Enhancement Elective ELE061 and ELE063.

5. To review the CIA and the End Semester Exams (ESE) question paper pattern for the PG & UG programmes

The Board briefly reviewed the CIA pattern of UG and PG programmes. The proposal to revise the ESE question paper patter for UG programme was discussed in the BOS. According to the new pattern, 12 question of 10 marks each will be given and students have to attempt a maximum of 10. In consideration of the impact of these changes to create better competence in the students, the Board approved the new pattern.

6. To review the Results of the End Semester Exams (ESE) October 2019 for UG and PG programmes in Physics & Electronics

The result analysis of the End Semester Examinations of October 2019 for PG and UG programmes in Physics & Electronics were reviewed by the BOS.

7. To review and include names in the panel of Board of Examiners for MSc and MPhil programmes

The Board suggested the name of Dr. Smitha Subramanian from Indian Institute of Astrophysics, Bangalore to be included in the panel of BOE for MSc and MPhil programmes and approved to include her name in the panel.

8. To consider any other matter with the permission of the Chair

With no other matters to discuss the Chairperson adjourned the meeting thanking all the participants. The Chairperson particularly thanked Dr. Maheswar Gopinathan and Dr. Geetha Balakrishna for their presence and valuable suggestions.



(Dr. Paul K T)


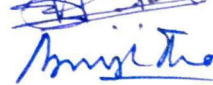

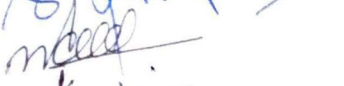


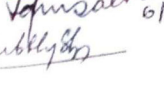
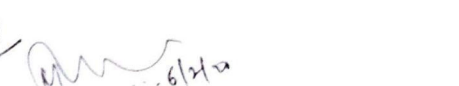


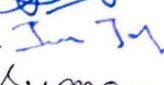
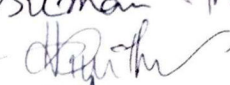
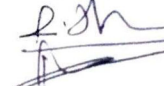










Chairperson

Board of Studies

Meeting of the Board of studies of Department of Physics and Electronics

Date: 06 February 2020. Time 10AM

Venue: Room 119, Innovation Centre, Block IV

Name		Signature
Geetha Balakrishna	External Expert	
Maheswar Gopinath	External Expert	
George Thomas	Dean	
Paul K T	Chairperson	
Ravichandran S	Member	
Ashoka N V	Member	
Kunjomana A G	Member	
Benny Sebastain	Member	
Johnson O V	Member	
Hamsa Hariharan	Member	
Bubbly S G	Member	
Shivappa Gudennavar	Member	
Mukund N	Member	
Manoj B	Member	
Blesson Mathew	Member	
Sreeja S Kartha	Member	
Imran Jafri	Member	
Suman Mandal	Member	
Vineeth Valsan	Member	
Christie Cherian Thomas	Invitee	
Pinkie Jacob	Invitee	
Sankeshwar N S	Invitee	
Arun Kenath	Invitee (Alumnus)	
Reya John	Invitee (Student)	

Supplementary BoS Minutes 2020

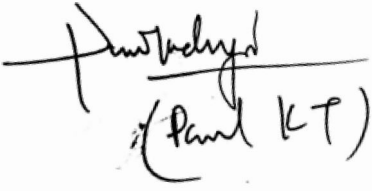
This is a supplement to the minutes of the 12th Meeting of the Board of Studies of Physics & Electronics held on Monday, 06 February 2020 at 10 am at the Room: 119, Block IV, CHRIST (Deemed to be University), Bangalore Central Campus.

The board of studies considered the feedback given by the stakeholders, namely the faculty members, current batch of students and Alumni. After discussion it is decided to incorporate the relevant changes in the curriculum as per the comments shared by the stake holders in the feedback document.

These changes are applicable to UG Physics, UG Electronics and MSc Physics programs as mentioned in the BOS minutes of meeting.

In the Chair: Dr. Paul K T. Head of the Department of Physics & Electronics.

Secretary: Dr. Sreeja S Kartha



Head
Department of Physics and Electronics
CHRIST (Deemed to be University)
Bengaluru - 560 029