

FEEDBACK FROM STAKEHOLDERS AND ACTION TAKEN (2020-2021)

BME

1) Theory: The department has formal and informal mechanisms to obtain feedback from stakeholders through various committees, associations, organization, etc.

1.a. Students Feedback

- Students requested to more improvements in the practical sessions.
- Students demanded to include machine learning and deep learning courses in the curriculum.
- Labs are well equipped with all the necessary equipments.

1.a. Employers Feedback:

- Nil

1.b. Parents Feedback:

- Nil.

1.c. Alumni Feedback:

- Nil

2) Analysis:

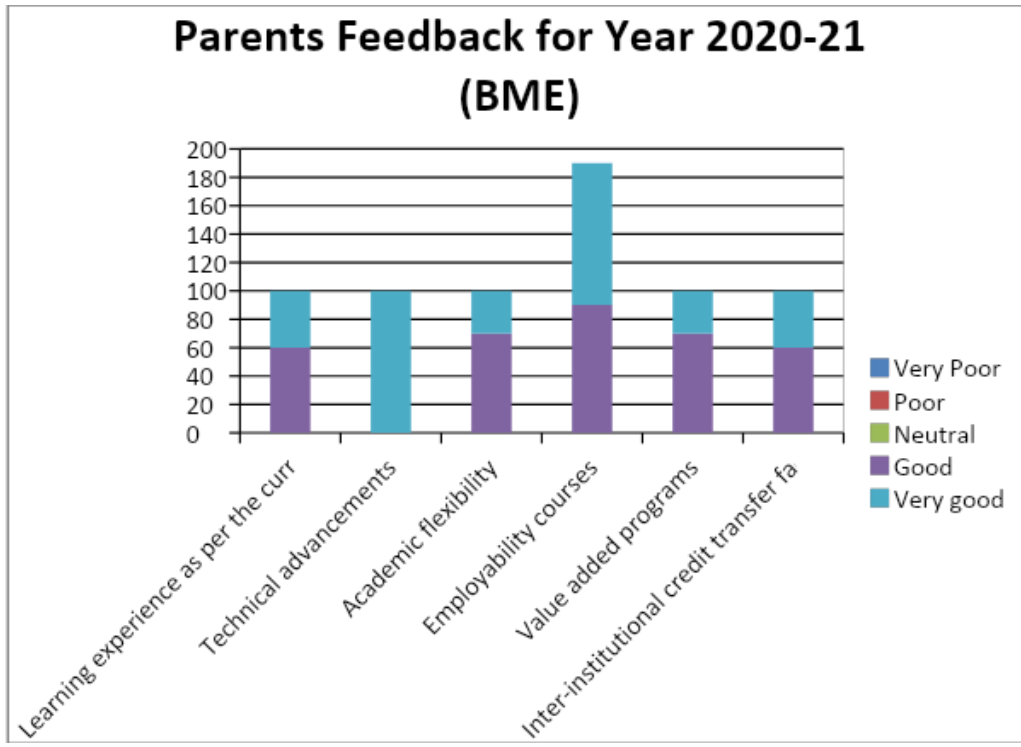


Fig. 3. Parents feedback for year 2020-21

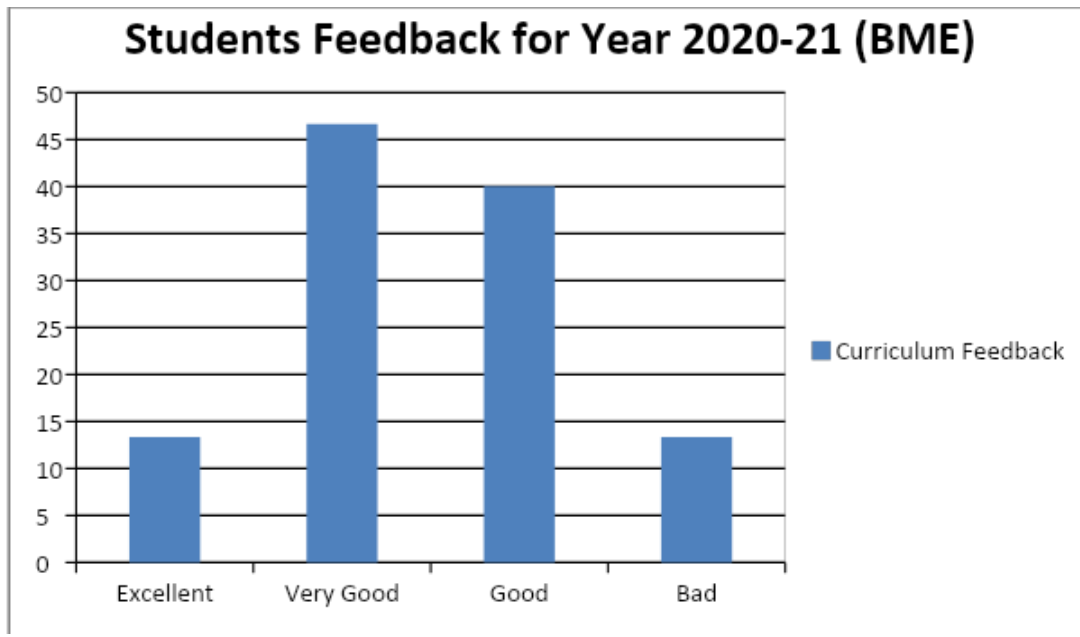


Fig. 4. Alumni feedback for year 2020-21

Figure 3 and 4 demonstrates the feedback collected from the parents and the students, respectively, and it can be concluded that the feedback regarding the curriculum was very good.

3) Sample feedback:

**Feedback from Students on the Curriculum
and Syllabus of the B.Tech.
Programme for the Academic Year 2019 -2020**

Feedback from : Ms CHRISTINA DORATHY S
Programme : :B.tech
Department : BIOMEDICAL ENGINEERING
College : KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Feedback on Curriculum (Number of Theory Subjects, Laboratory subjects, Core Subjects and Electives. Subjects having industrial applications for improving employability)

1. Theory subjects - GOOD
2. Laboratory subjects - HAVE TO IMPROVE
3. Core subjects - GOOD

Suggestions to improve the Curriculum

1. From the beginning I learned a lot about biomedical and also it helps to understand the importance of that field.
2. I want to learn more about that so I think if institution offers more core subjects related to our field means that means a lot to learn many more things about our field.
3. Basically Biomedical includes more about therapeutic and diagnostic applications and applications of techniques in order to assist practitioners like Doctors and Physicians. so I need to learn more about this and also we need a lab and also subjects related to designing the equipment like artificial organs, machines which diagnose medical problems and replacements of organs and training of clinicians on the proper use of the equipment and also the subjects related to developing the materials that required to make the replacement of certain body parts (artificial organs).

Feedback on Syllabus of subjects studied and suggestions for improvement (any three subjects)

Name of the Subject	Feed back	Suggestions for improvement
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1	Programming for problem solving(theory)	Not bad	It need more time for students from non es background to understand the concept and programming so I request to increase the class hours and also the teaching plan.
2	Programming for problem solving(lab)	Not bad	If a lab consists of 50 members means I request the staffs to look after all the students and help them to understand the concept within that particular lab, because without understanding the concept it is difficult to answer the out of portions questions in exams.
3	Engineering practices	good	It was good but in need of clear explanation of every topic related to certain devices.

Date: 11/10/2020


Signature

Name of the Student: Christina Dorathy S

Feedback on Syllabi of subjects studied and suggestions for improvement (any three subjects)

Sl.No	Name of the Subject	Feed back	Suggestions for improvement
1.	Machine learning and Deep learning		Please include this subject in the syllabus
2.	Research and Methodology	GOOD	Really helpful for publishing journal
3.	Value Education	GOOD	Please include this subject for U.G students instead of P.G because most of the P.G students are experienced to real world problems by the time they join the course but as newly joined fresh students in U.G they lack such experience so for them it is better suited.

Date: 01-10-2020

Signature



Name of the Student: Sreejith V

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Feedback from Students on the Curriculum
and Syllabi of the B.Tech./M.Tech. Programme for the Academic Year 2020-2021

Feedback from Mr. Sreejith V
Programme : M.Tech. (Biomedical Instrumentation)
Department: Biomedical Engineering
School : Karunya Institute Of Technology and Sciences

Feedback on Curriculum (Number of Theory Subjects, Laboratory subjects, Core Subjects and Electives: Subjects having industrial applications for improving employability)

1. The subjects are core- oriented and labs are well equipped with all the necessary instruments.
2. Overall great place to study and the hostel is especially top notch, probably the best one I had been to.

Suggestions to improve the Curriculum

1. Need more practical hours than theoretical classes because at the end of the day industries are asking for practically skilled candidates.
2. Need to also emphasis on encouraging students towards sports activity for better physical and mental stability.

4) Action Taken

Based on the feedback collected from the students through the class committee meeting and the employer feedback, the following action has been taken.

- Online Lab sessions were conducted for students.

Curriculum Development – B.Tech and MTech programme

- Python Programming and Embedded C programming were included.
- Relevant Elective courses were included.
- Improvements were done in the laboratory experiments.

5) Evidence:

		Member	
9	Dr.D.Pamela	Internal Member	Associate Professor, BME
10	Dr. P. Subha Henry Jose	Internal Member	Assistant Professor, BME
11	Dr. J. Samson Isaac	Internal Member	Assistant Professor, BME
12	Dr.R.Jegan	Internal Member	Assistant Professor, BME
13	Ms.D.Hapsitha	Internal Member	Assistant Professor, BME
14	Dr.Nishi Sbanthaj Haider	Internal Member	Assistant Professor, BME
15	Dr.A.Suresh kumar	Internal Member	Assistant Professor, BME

The Meeting started with a welcome note. Dr.S.Thomas George, HoD BME,welcomed the External Experts and the internal members of the BoS and gave the introductory remarks based on the discussions held during the internal CDC meeting on 05.03.2021. HoD chairing the session, requested Dr.P.Manimegalai to start with the presentation.

1. The vision , mission and Program educational objectives of the department is passed in the board and got acknowledged by the board members.
2. The proposed curriculum for M.Tech Biomedical Engineering - 2021 Batch was presented to the Board Members.
3. The overall programme structure and semester wise curriculum and proposed syllabi was presented by Dr.J.Samson Isaac ,Program coordinator for PG course.

Category	Suggestions
Program Core	Mr.Muralidharan.C.V, recommended to offer a course on Human anatomy and physiology which will help students coming from non biomedical UG background in understanding things better. And it was verified that, the topics were included in Advanced Medical Instrumentation design syllabus.
Electives and Industrial Tie ups	Dr.K.R.S.Krishnan has advised to have tie ups with diagnostic health centers. And also Dr.K.R.S.Krishnan suggested to add subjects related to exoskeleton and Sports medicine which are recent trends nowadays. And it was verified that exoskeleton topic was included in Rehabilitation Engineering syllabus.
Core Laboratory	Dr. B. Jeeva suggested to exclude few basic experiments from Image processing laboratory.