Hooghly Engineering & Technology College

Vivekananda Road, Pipulpati, Hooghly-712103

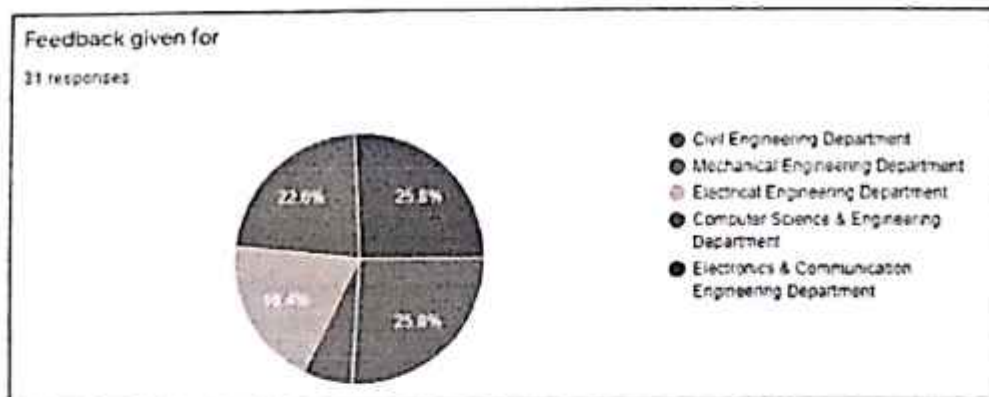# Feedback Analysis Report on Syllabus by Different Stakeholders

2019-20

Index

Introduction

Feedback is an essential element of the learning process. The college collects the feedback on various curriculum aspects and courses from different stakeholders such as the Students, Alumni, Faculty and Employers through online/offline. The feedback collected from the individuals has been analysed and taken to the consideration for the development of curriculum, teaching learning process and environment.

Alumni Feedback

The contribution of alumni to the activities of the institute is substantial especially in the development of the curriculum. Nearly 31 alumni have given their feedback for the academic year 2019-20. The feedback from the alumni reveals that 100% of them feel proud to be a part of the institution and are willing to contribute to the development of the institution. Feedback has been received from Electronics & Communication Engineering (25.8%), Civil Engineering (25.8%), Computer Science & Engineering (22.6%), Electrical Engineering (19.4%) and Mechanical Engineering (6.4%) background students. Majority of the alumni (83.9%) agreed that the core and elective courses offer an in-depth knowledge of the respective competencies. According to their feedback (74.2%) the elective courses are of due relevance and necessities. They feel (67.8%) that the syllabus provides enough practical exposure to the underlying theoretical concept in the courses. They also agreed (70.9%) on the fact that the syllabus facilitates the development of analytical/problem solving/critical thinking/innovative skills. According to their feedback (54.9%) the syllabus is capable of meeting the industry demands in terms of personal skills like leadership and management. While expressing their view on expected outcome in terms of transformation that will be / has been achieved from the courses / program, most of them (68.5%) are agreed on that.

Feedback given for

31 responses

- Civil Engineering Department
- Mechanical Engineering Department
- Electrical Engineering Department
- Computer Science & Engineering Department
- Electronics & Communication Engineering Department

1. The core and elective courses offer an in-depth exposure to acquire basic as well as advanced knowledge
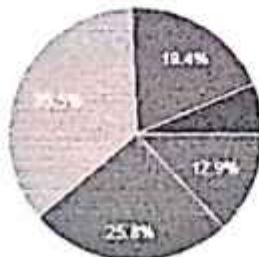
31 responses
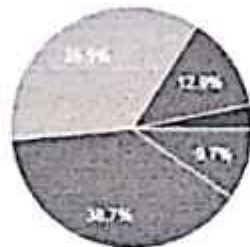
- Excellent
- Very Good
- Good
- Satisfactory
- Poor

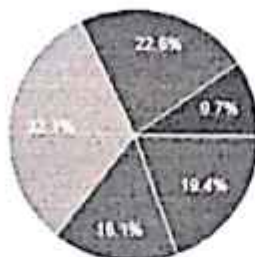**2. The elective courses are of due relevance and necessities**

31 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

3. The syllabus provides enough practical exposure to the underlying theoretical concepts in the courses
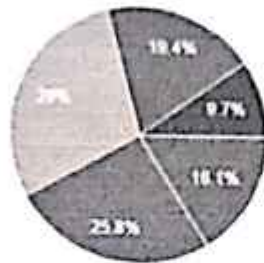
31 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

4. The syllabus facilitates development of analytical / problem solving / critical thinking / innovative skills
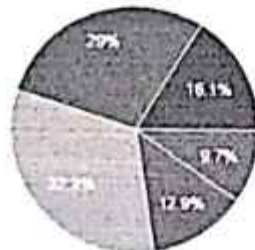
31 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

5. The syllabus satisfies the relevancy and capable of meeting the industry demands in terms of personal skills like leadership and management
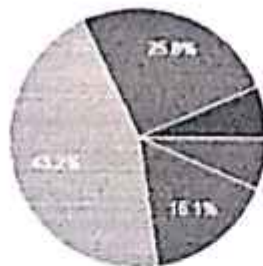
31 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

6. Expected outcome in terms of transformation that will be / has been achieved from the courses / program

31 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

Feedback Analysis Report

- The alumni feedback analysis report reveals that majority (100%) of the alumni are happy and proud to be a part of this institution.

- The alumni appreciated the academic initiatives taken by the college to upgrade the curriculum as per the current needs.

- They agreed that the syllabus is not completely aligned with the job requirements in the current industry standard.

- There is lack of practical exposure which is very much important for current employment scenario.

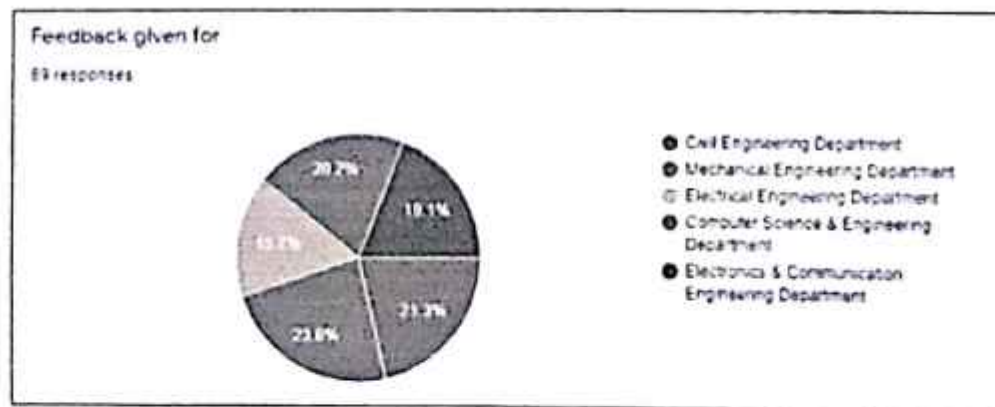| Question No	Curriculum Evaluation Points	Response in %				
		Excellent	Very Good	Good	Satisfactory	Poor
1	The core and elective courses offer an in-depth exposure to acquire basic as well as advanced knowledge	9.7	38.7	35.5	12.9	3.2
2	The elective courses are of due relevance and necessities	12.9	25.8	35.5	19.4	6.4
3	The syllabus provides enough practical exposure to the underlying theoretical concepts in the courses	19.4	16.1	32.3	22.6	9.7
4	The syllabus facilitates development of analytical / problem solving / critical thinking / innovative skills	16.1	25.8	29	19.4	9.7
5	The syllabus satisfies the relevancy and capable of meeting the industry demands in terms of personal skills like leadership and management	9.7	12.9	32.3	29	16.1
6	Expected outcome in terms of transformation that will be / has been achieved from the courses / program	6.5	16.1	45.2	25.8	6.4

Bhattacharya

Dr S. Bhattacharyya
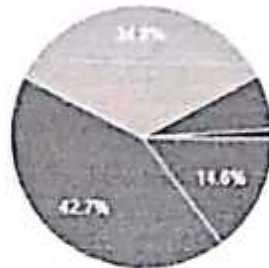Principal, HETC   20/08/2020

Teachers' Feedback

Feedback on various aspects of curriculum was sought from 89 faculty members of Hooghly Engineering & Technology College. The aspects such as provision of adequate time and resources for framing syllabus, coverage of both theoretical and practical components in the syllabus, the coherence of the syllabus with Programme Outcomes, involvement of the field experts while designing the syllabus, focus on necessary technical/ teaching skills, ensuring components that inculcate ethical values, enlisting reference books, focus on flexible curriculum based on current trends, updated elective courses etc. As teachers play a pivotal role in designing and implementing the curriculum, the inputs received from their feedback was taken into consideration for further action wherever applicable. Majority of the teachers agreed that syllabus is framed with major focus on necessary technical skills required for different engineering sectors. Majority of 92.1% of them agreed and 14.6% of them strongly agreed that the curriculum is flexible for enrichment, revision and modification based on recent trends and innovative ideas. They also agreed (92.3%) that the core and elective courses offer an in-depth exposure to acquire basic as well as advanced knowledge. The specified that the contact hours allocated for different courses in syllabus was adequate. Majority (92.1 %) of them agreed that the curriculum helped in grooming students according to the need of Industry in terms of employability. According to them (64.2%) the syllabus gives due weightage to human aspects like Human Values, Professional Ethics, Management Skills, Gender Equality, Environment and Sustainability issues, etc. Most of them (92.1%) are also agreed that the courses provide analytical / problem solving / critical thinking / innovative skills.

Feedback given for
89 responses

- Civil Engineering Department
- Mechanical Engineering Department
- Electrical Engineering Department
- Computer Science & Engineering Department
- Electronics & Communication Engineering Department

1. Prerequisite courses / topics are covered in the curriculum prior to dealing of a course
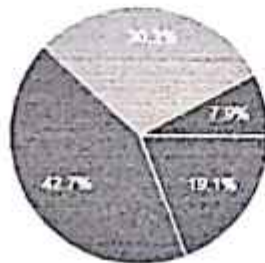
89 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

14.6%
42.7%

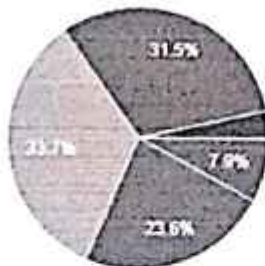**2. The core and elective courses offer an in-depth exposure to acquire basic as well as advanced knowledge**

89 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

7.9%
42.7%
19.1%

3. The specified contact hours stated in syllabus is sufficient to complete the coverage of the contents
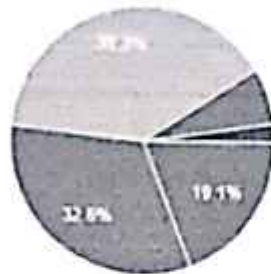
89 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

31.5%
23.7%
7.9%
23.6%

4. Sufficient exposure to practical courses to support theoretical concepts in the courses

69 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

19.1%

32.8%

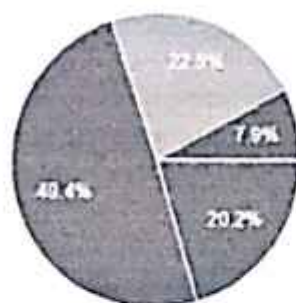**5. Availability of text and reference books in the Library / market**

69 responses

- Excellent
- Very good
- Good
- Satisfactory
- Poor

22.5%

11.2%

46.1%

20.2%

6. The courses provide analytical / problem solving / critical thinking / innovative skills

69 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

22.5%

7.9%

49.4%

20.2%

7. The syllabus satisfies the need of industry in terms of employability such as Jobs, Services and Entrepreneurial skills among the students
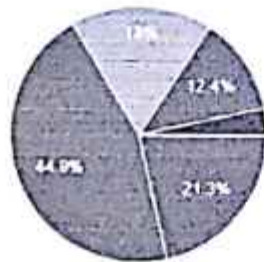
89 responses
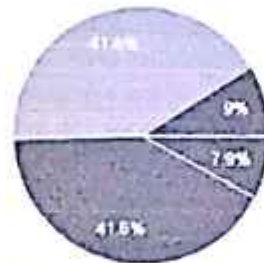
- Excellent
- Very Good
- Good
- Satisfactory
- Poor

41.6%
7.9%

8. The syllabus gives due weightage to human aspects like Human Values, Professional Ethics, Management Skills, Gender Equality, Environment and Sustainability issues, etc.

89 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

12.4%
44.9%
21.3%

Feedback Analysis Report

- The analysis of the teachers' feedback reflects the adequacy and availability of teaching-learning facilities.
- The feedback from the teachers revealed the validity and adequacy of the syllabus. Also, it is quite helpful in reframing the course content according to the societal needs.
- Various suggestions related to the modifications in the curricular content are noted for necessary action.

| Question No	Curriculum Evaluation Points	Response in %				
		Excellent	Very Good	Good	Satisfactory	Poor
1	Prerequisite courses / topics are covered in the curriculum prior to dealing of a course	14.6	42.7	34.8	18.1	4.4
2	The core and elective courses offer an in-depth exposure to acquire basic as well as advanced knowledge	19.1	42.7	30.3	7.8	0.1
3	The specified contact hours stated in syllabus is sufficient to complete the coverage of the contents	7.9	23.6	33.7	31.5	3.3
4	Sufficient exposure to practical courses to support theoretical concepts in the courses	19.1	32.6	39.3	6.6	1.4
5	Availability of text and reference books in the Library / market	20.2	46.1	22.5	11.2	0
6	The courses provide analytical / problem solving / critical thinking / innovative skills	20.2	49.4	22.5	7.9	0
7	The syllabus satisfies the need of Industry in terms of employability such as Jobs, Services and Entrepreneurial skills among the students	7.8	41.6	41.6	9	0
8	The syllabus gives due weightage to human aspects like Human Values, Professional Ethics, Management Skills, Gender Equality, Environment and Sustainability issues, etc.	21.3	44.9	18	12.4	3.4

20/08/2020

Dr. S. Bhattacharyya
Principal, HETC

Employers' Feedback

Employers' feedback was obtained from 12 recruiting agencies/corporates with the help of a structured questionnaire. Their feedback was sought on the following areas: The syllabus and its transaction at the institution, whether the graduates have adequate practical exposure of the courses for undertaking real time projects, rating of the courses in terms of their relevance to the basic as well as latest technologies, expected outcome in terms of employability that will be / has been achieved from the courses / program. It was surmised from their feedback that 91.7% of the employers strongly agreed that the syllabus and its transaction at the institution prepare the graduates with necessary theoretical knowledge. It was noted that 75% of the respondents strongly agreed that the graduates have adequate practical exposure of the courses for undertaking real time projects. Majority of (75%) employers strongly agreed that the courses are in line with the basic as well as latest technologies. Again 75% of them agreed on expected outcome in terms of employability that will be / has been achieved from the courses / program.
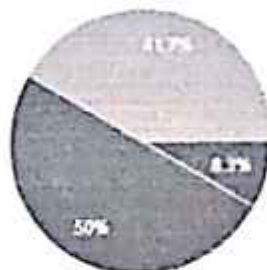
Feedback given for

12 responses
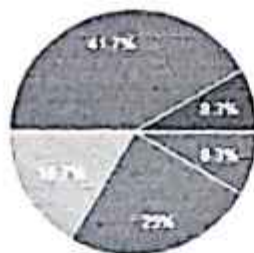
- Civil Engineering Department
- Mechanical Engineering Department
- Electrical Engineering Department
- Computer Science & Engineering Department
- Electronics & Communication Engineering Department

1. The syllabus and its transaction at the institution prepare the graduates with due theoretical knowledge
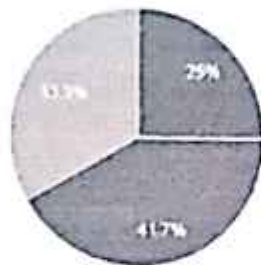
12 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

2. The graduates have adequate practical exposure of the courses for undertaking real time projects
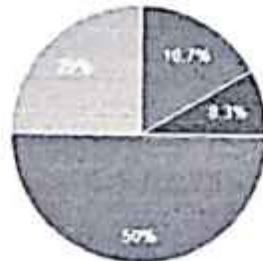
12 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

25%
41.7%

3. Rating of the courses in terms of their relevance to the basic as well as latest technologies
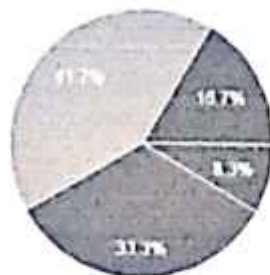
12 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

16.7%
8.3%
50%

4. Expected outcome in terms of employability that will be / has been achieved from the courses / program

12 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

41.7%
16.7%
31.7%

Feedback Analysis Report

- They highlighted the importance to improve upon the domain knowledge to meet the emerging societal needs.
- They agreed that the knowledge the students are having is overall good.
- They suggested to groom the students based on the current Market demand and the new cutting edge technologies. They also suggested that the students should have a strong grasp on the fundamentals and hands-on coding.
- They highlighted that the Institute should give the opportunity to students to get exposure to the practical side of industry.

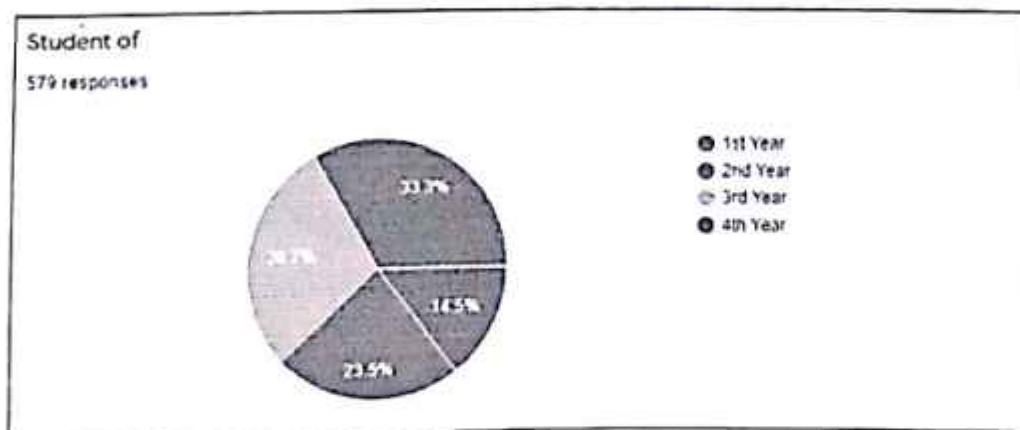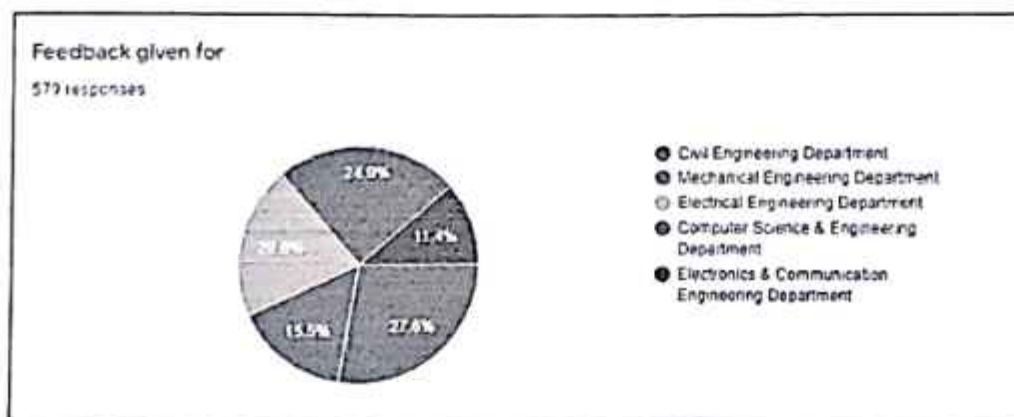| Question No	Curriculum Evaluation Points	Response in %				
		Excellent	Very Good	Good	Satisfactory	Poor
1	The syllabus and its transaction at the institution prepare the graduates with due theoretical knowledge	8.3	50	41.7	0	0
2	The graduates have adequate practical exposure of the courses for undertaking real time projects	41.7	33.3	25	0	0
3	Rating of the courses in terms of their relevance to the basic as well as latest technologies	0	50	25	16.7	8.3
4	Expected outcome in terms of employability that will be / has been achieved from the courses / program	8.3	33.3	41.7	16.7	0

Bhattacharyya
20/08/2020.

Dr S. Bhattacharyya
Principal, HETC

Students' Feedback

The Students' Feedback on curriculum is designed to get formative feedback from students that can be used towards the improvements in the quality of course design and delivery, as well as student learning experiences. For the academic year 2019-2020, students' feedback was sought from around 579 students on the curriculum and teaching learning process. Majority of the student population (81.5%) agreed that the prerequisite courses / topics are covered in the curriculum prior to delving deep into a course. Majority of the students (81.9%) strongly agreed that the courses are satisfactory in terms of their quality and relevance to the basic as well as advanced technologies. Around 77.3% of the students agreed that the university offers the elective courses in terms of their relevance to the respective program. It has been observed that 80.6% of the respondents agreed that there is sufficient exposure to practical courses to support theoretical concepts in the courses. The students' feedback revealed that 78.6% of them strongly agreed to the point that there is scope of self-learning and learning beyond the curriculum. They (67.3%) agreed that the availability of text and reference books in the Library / market is quite good. Also, majority of students (82.9%) agreed that after completion of the courses / program, there will be a notable transformation in their knowledge base.

Feedback given for
579 responses

- Civil Engineering Department
- Mechanical Engineering Department
- Electrical Engineering Department
- Computer Science & Engineering Department
- Electronics & Communication Engineering Department

Student of
579 responses

- 1st Year
- 2nd Year
- 3rd Year
- 4th Year

1. Prerequisite courses / topics are covered in the curriculum prior to learning of a course
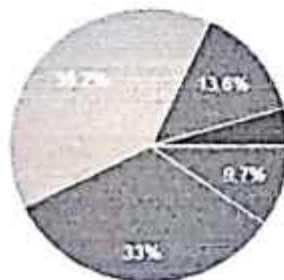
579 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

15.2%
9.7%
32.1%
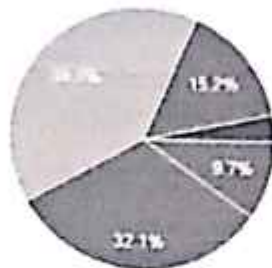
2. Rating of the courses in terms of their quality and relevance to the basic as well as advanced technologies
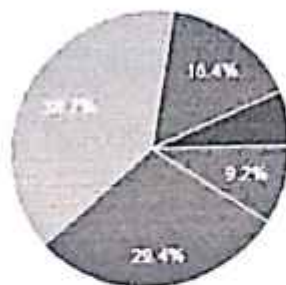
579 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

13.6%
9.7%
33%

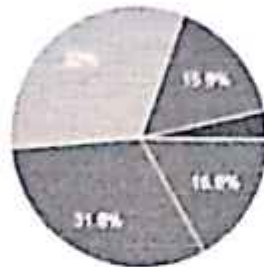**3. Offering of elective courses in terms of their relevance to the respective program**

579 responses

- Excellent
- Very good
- Good
- Satisfactory
- Poor

16.4%
9.2%
29.4%

4. Sufficient exposure to practical courses to support theoretical concepts in the courses
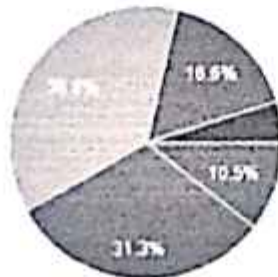
579 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

5. Provision of extra learning or self-learning considering the design of the courses
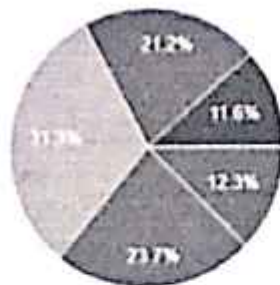
579 responses

- Excellent
- Very Good
- Good
- Satisfactory
- Poor

6. Availability of text and reference books in the Library / market
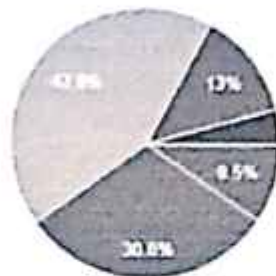
579 responses

- Excellent
- Very good
- Good
- Satisfactory
- Poor

7. Expected outcome in terms of transformation that will be achieved after completion of the courses / program

579 responses

Feedback Analysis Report

- The analysis of the students' feedback clearly depicts that they are satisfied with the curriculum development and revision of the same.
- Some of them highlighted on up-gradation of the syllabus in context of the current technologies.
- They also highlighted on use of Online platform which is adjustable and quite good for learning in a sensitive situation.

Question No	Curriculum Evaluation Points	Response in %				
		Excellent	Very Good	Good	Satisfactory	Poor
1	Prerequisite courses / topics are covered in the curriculum prior to learning of a course	9.7	32.1	39.1	15.2	3.3
2	Rating of the courses in terms of their quality and relevance to the basic as well as advanced technologies	9.7	33	39.2	13.6	4.5
3	Offering of elective courses in terms of their relevance to the respective program	9.2	29.4	38.7	16.4	6.3
4	Sufficient exposure to practical courses to support theoretical concepts in the courses	16.8	31.8	32	15.9	3.5

5	Provision of extra learning or self-learning considering the design of the courses	10.5	31.3	36.8	16.6	4.8
6	Availability of text and reference books in the Library / market	12.3	23.7	31.3	21.2	11.6
7	Expected outcome in terms of transformation that will be achieved after completion of the courses / program	9.5	30.6	42.8	13	4.1

Sbhattacharyya

20/08/2020.

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