



DEPARTMENT OF BIOMEDICAL ENGINEERING

Action Taken Report on B.Tech., Biomedical Engineering Program R19 & R21 Feedback

Implemented in R22 introduced in the AY: 2022-23

Action taken based on the suggestion from the students:

- Q1. Course Contents of Curriculum are in tune with the Program Outcomes
- Q2. Course Contents are designed to enable Problem Solving Skills and Core competencies
- Q3. Courses placed in the curriculum serves the needs of both advanced and slow learners
- Q4. Contact Hour Distribution among the various Course Components (LTP) is Satisfiable
- Q5. The electives offered in relation to the Technological advancements in biomedical and allied fields.
- Q6. The design of courses in the Curriculum is considered the extra learning or self learning.
- Q7. Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable
- Q8. Laboratory sessions are sufficient to improve the technical skills of students
- Q9. Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students.

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg Rating	Grade
Q1	64.3	12.6	19.6	2.8	0.7	4.37	Excellent
Q2	65.7	15.4	14.7	2.8	1.4	4.412	Excellent
Q3	63.6	16.8	11.9	6.3	1.4	4.349	Excellent
Q4	61.5	17.5	14	5.6	1.4	4.321	Excellent
Q5	64.3	18.9	13.3	2.1	1.4	4.461	Excellent
Q6	66.4	16.8	14	2.1	0.7	4.461	Excellent
Q7	72.7	12.6	11.2	2.1	1.4	4.531	Excellent

Q8	65.7	19.6	9.1	4.2	1.4	4.44	Excellent
Q9	69.2	19.6	5.6	4.2	1.4	4.51	Excellent

Itemized responses for the student's suggestions:

Suggestion: It would be better if we have more technical sessions and interactive classes.

Action Taken: In R22 a student contact hours are reduced significantly and more interactive sessions on technical knowledge is allocated.

Suggestion: Provide more hours for library can make the students to learn more

Action Taken: In R22 student contact hours are reduced significantly and more time is allocated for self-learning.

Suggestion: Provide more workshops and technical webinars to attain knowledge

Action Taken: In R22 every Saturday is allocated only for Industry Institute Interactions i.e., conducting webinars by industry resource persons for student benefit.

Action taken based on the suggestion from the Faculty:

- Q1. Course Contents of Curriculum in tune with the Program Outcomes
- Q2. The depth of the course content is adequate to have significant learning outcomes.
- Q3. Curriculum is sufficient to bridge the gap between industry standards / current global scenarios and academics
- Q4. The practical's enable to develop experimental, design, problem solving and analysis skills of the students.
- Q5. The timely coverage of syllabus is possible in the mentioned number of hours.
- Q6. The Curriculum providing opportunity towards Self learning to realize the expectations
- Q7. Rate the capability of the curriculum for improving ethical values in students
- Q8. The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students
- Q9. Electives enable the passion to learn new technologies in emerging area

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	100	0	0	0	0	5	Excellent
Q3	75	25	0	0	0	4.75	Excellent

Q4	100	0	0	0	0	5	Excellent
Q5	100	0	0	0	0	5	Excellent
Q6	75	25	0	0	0	4.75	Excellent
Q7	100	0	0	0	0	5	Excellent
Q8	100	0	0	0	0	5	Excellent
Q9	100	0	0	0	0	5	Excellent

Itemized responses for the faculty suggestions

Suggestion: Can implement most of the points of NEP2020 for the new regulation like multiple entry and multiple exit, continuous assessment

Action Taken: In R22 curriculum such multiple entry and multiple exit option was incorporated

Suggestion: Lab facility may be improved

Action Taken: All the lab facilities are upgraded in terms of quantity and quality. In addition, lab operating hours are extended and a student can use till 7:30PM.

Action taken based on the suggestion from the Alumni:

- Q1. Curriculum has paved a good foundation in understanding the basic engineering concepts
- Q2. Course Contents of Curriculum are in tune with the Program Outcomes
- Q3. Curriculum imparted all the required Job Oriented Skills
- Q4. The offering of the electives in relation to the Technological advancements and serve the needed in the industry
- Q5. Tools and Technologies learnt during laboratory sessions has enriched the skills
- Q6. Ability to compete with your peers from other Universities
- Q7. The curriculum relevant to job and future aspirations

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg Rating	Grade
Q1	91.5	8.5	0	0	0	4.915	Excellent
Q2	76.3	22	1.7	0	0	4.746	Excellent
Q3	81.4	16.9	1.7	0	0	4.797	Excellent

Q4	81.4	16.9	1.7	0	0	4.797	Excellent
Q5	91.5	5.1	3.4	0	0	4.881	Excellent
Q6	81.4	15.3	3.4	0	0	4.784	Excellent
Q7	76.3	20.3	3.4	0	0	4.729	Excellent

Itemized responses for the Alumni suggestions

Suggestion: Reduction in the number of credits may be preferable.

Action Taken: In R22 number of credits reduced to 161, thereby student can acquire additional knowledge from other sources.

Action taken based on the suggestion from the Employer:

- Q1. Course Contents of Curriculum are in tune with the Program Outcomes
- Q2. Curriculum helps in bridging gap between industry and academic institution.
- Q3. Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Biomedical Engineering Industry
- Q4. Professional and Open Electives are in relation to the Technological advancements and fulfilling the needs of biomedical and allied industries.
- Q5. Curriculum develops skills to model and analyze the biomedical and allied industrial issues.

	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg Rating	Grade
Q1	100	0	0	0	0	5	Excellent
Q2	0	100	0	0	0	4	Excellent
Q3	100	0	0	0	0	5	Excellent
Q4	0	100	0	0	0	4	Excellent
Q5	100	0	0	0	0	5	Excellent

Itemized responses for the Employer suggestions

NA


 HOD Signature
HOD, BME
VFSTR