BIOMEDICAL ENGINEERING
Department of Electronics & Communication Engineering.

Minutes of CDMC Meeting

05-02-2020

The members of Curriculum Design and Monitoring Committee for B.Tech Biomedical Engineering program met on 05-02-2020 at CoE 'H' block, of VFSTR. The following members attended the meeting.

S.No	Members	Designation	Signatures
1.	Dr. T. Pitchaiah	Chairman	
2.	Dr. G. Sitaramanjaneya Reddy	Member	
3.	Mr. B. Sunil Tej	Member	
4.	P. Krishna Chaitanya	Member	

Agenda of the meeting

Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2019-20.

Chairman-CDMC, presented feedback analysis to the committee.

1. Employers suggested the following,
   a. Motivate the students towards research based on current trends.
   b. AMTZ facility should be visited
2. Faculty suggested the following
   a. Credits should be given for NPTEL certification courses.
3. Parents suggested the following
   a. Communications skills need to be improved
   b. Hospital visits should be conducted
4. Students suggested the following
   1. Industrial visits & hospital vists are to be conducted
   2. Regular workshops need to be conducted.
   Detailed feedback analysis report is enclosed as Annexure-I.
5. Alumni suggested the following
   a. Advanced courses in core subjects and python programming
   b. More emphasis on simulation/software based experiments.

Detailed feedback analysis report is enclosed as Annexure-I.
The outcomes of the meeting will be placed before the BoS for further discussion and recommendations.

Chairman, CDMC

Feed Back from Alumni Students 2019-20 (Academic Year) - UG – B. Tech (BM)

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 1.

Table 1: Analysis of feedback from Alumni 2019–20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	40	60	0	0	0	4.4	Excellent
Q2	60	40	0	0	0	4.6	Excellent
Q3	40	60	0	0	0	4.4	Excellent
Q4	50	40	10	0	0	4.4	Excellent
Q5	50	50	0	0	0	4.5	Excellent
Q6	70	10	20	0	0	4.5	Excellent
Q7	70	30	0	0	0	4.7	Excellent

The highest score of 4.7 was given to the parameter ". Current Curriculum is superior to your studied Curriculum" & "The Course Contents of Curriculum are in tune with the Program Outcomes" which has been rated as followed by . ". Tools and Technologies learnt during laboratory sessions has enriched the problem-solving skills" & Ability to compete with your peers from other Universities" which has been rated as Excellent with a score of 4.6,4.5and 4.5 respectively.

Score of 4.4 given to the following "Curriculum has paved a good foundation in understanding the basic engineering concepts"; "Curriculum imparted all the required Job Oriented Skills" & " Professional and Open Electives of Curriculum served the technical advancements needed to serve in the

Feedback from Students 2019-20 (Academic Year) - UG – B. Tech (BM)

The result derived in terms of percentage of students with common views, average score, and ratings is presented in Table 2.

Table 2: Analysis of feedback from students 2019 – 20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	69.9	30.1	0	0	0	4.699	Excellent
Q2	35.4	64.6	0	0	0	4.354	Excellent
Q3	31.9	68.1	0	0	0	4.319	Excellent
Q4	63.7	35.4	0.9	0	0	4.628	Excellent
Q5	41.6	58.4	0	0	0	4.416	Excellent
Q6	46	54	0	0	0	4.46	Excellent
Q7	52.2	46	1.8	0	0	4.504	Excellent
Q8	39.8	60.2	0	0	0	4.398	Excellent

| Q9 | 40.7 | 59.3 | 0 | 0 | 0 | 4.407 | Excellent |

The highest score of 4.69 was given to the parameter "Course Contents of Curriculum are in tune with the Program Outcomes" followed by "Contact Hour Distribution among the various Course Components (LTP) is satisfiable" with a score of 4.628 and has been rated as Excellent.

It is clearly visible from the table that the parameters "The design of courses in the Curriculum is considered the extra learning or self-learning" ; "Composition of Basic Sciences, Engineering, Humanities and Management Courses is a right mix and satisfiable."and "Laboratory sessions are sufficient to improve the technical skills of students" obtained average scores 4.46,4.504 and 4.416 respectively and has been rated as Excellent.

The parameters "Course Contents are designed to enable Problem Solving Skills and Core competencies"; "Courses placed in the curriculum serves the needs of both advanced and slow learners." and "Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students"; "Laboratory sessions are sufficient to improve the technical skills of students" obtained the scores of 4.354, 4.319 4.407and 4.398 respectively and has been rated as Excellent .which clearly reflects the benefit towards the student expectations.

Feedback from Employer 2019-20 (Academic Year) - UG – B. Tech (BM)

The result derived in terms of percentage of employer with common views, average score, and ratings is presented in Table 3.

Table 3: Analysis of feedback from Employer 2019 – 20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	40	60	0	0	0	4.4	Excellent
Q2	60	40	0	0	0	4.6	Excellent
Q3	0	100	0	0	0	4	Excellent
Q4	0	100	0	0	0	4	Excellent
Q5	60	40	0	0	0	4.6	Excellent

The highest score of 4.6 was given to the parameter "5. Curriculum develops skills to model and analyze the biomedical and allied industrial issues and "2. Curriculum helps in bridging gap between industry and academic institution" Followed by "1. Course Contents of Curriculum are in tune with the Program Outcomes" which is rated as 4.4 Excellent

It is clearly visible from the table that the parameter obtained average 4. "3 Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Biomedical Engineering Industry.." and " 4 Professional and Open Electives are in relation to the Technological advancements and fulfilling the needs of biomedical and allied industries." has been rated as Excellent.

Feedback from faculty 2019-20 (Academic Year) - UG – B. Tech (BM)

The result derived in terms of percentage of faculty with common views, average score, and ratingsis presented in Table 4.

Table 4: Analysis of feedback from faculty 2019–20

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	42.9	57.1	0	0	0	4.429	Excellent
Q2	28.6	71.4	0	0	0	4.286	Excellent
Q3	57.1	42.9	0	0	0	4.571	Excellent
Q4	71.4	28.6	0	0	0	4.714	Excellent
Q5	28.6	71.4	0	0	0	4.286	Excellent
Q6	0	100	0	0	0	4	Excellent
Q7	28.6	71.4	0	0	0	4.286	Excellent
Q8	28.6	71.4	0	0	0	4.286	Excellent
Q9	28.6	71.4	0	0	0	4.286	Excellent

The highest score of 4.7 was given to the parameter "Q4. Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics" & "Q3 i.e. 4.571 To practically enable to develop experimental, design, problem solving and analysis skills of the students" followed by "Q1.The timely coverage of syllabus is possible in the mentioned number of hours." with a score of 4.429 and has been rated as Excellent.

It is clearly visible from the table that the parameters Q5: Course Contents of Curriculum in tune with the Program Outcomes ", "Q2: The depth of the course content is adequate to have significant learning outcomes.", "Q7. Rate the capability of the curriculum for improving ethical values in students", and "Q8: 8. The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students" and "Q9 Electives enable the passion to learn new technologies in emerging area" obtained similar average scores 4.28, followed by "Q6: The Curriculum providing opportunity towards Self learning to realize the expectations "with the score of has been rated as Excellent.

Feedback from Parent 2019-20 (Academic Year) - UG – B. Tech (BM)

The result derived in terms of percentage of Parent with common views, average score, and ratings is presented in Table 5.

Table 5: Analysis of feedback from Parent 2019 – 20

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Rating
Q1	20	70	10	0	0	4.1	Excellent
Q2	40	60	0	0	0	4.4	Excellent
Q3	60	40	0	0	0	4.6	Excellent
Q4	30	70	0	0	0	4.3	Excellent
Q5	40	60	0	0	0	4.4	Excellent

The highest score of 4.6 was given to the parameter "3.Competency of your ward is on par with the students from other Universities/Institutes." followed by "2. The academic flexibility embedded in the curriculum provides opportunities to students to pursue their interest by choosing from a vast number of pathways / electives from own area/specialization as well as from other areas" and "5. Course Curriculum is of the global standard and is in tune with the needs of electrical and allied industries." obtained a score of 4.4 and followed by "4. The curriculum has been designed to make your ward industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies, as desired by the electrical and allied industries.." with a score of 4.3 which has been rated as excellent.

It is clearly visible from the table that the parameter "1.Your ward is sensitized towards issues like gender equality, environment and sustainability, ethics and values etc., through relevant courses in the curriculum" obtained average 4.1 and has been rated as Excellent .

Chairman, CDMC