VIGNAN'S
Foundation for Science, Technology & Research
UNIVERSITY
(Estd u/s 3 of UGC Act of 1956)

BIOMEDICAL ENGINEERING
Department of Electronics and Communication Engineering.

Date: 02-02-2017

Re-Constitution of Curriculum Design and Monitoring Committee

The Head of the Department constituted the Curriculum Design and Monitoring Committee for B. Tech. BM Program.

S.No	Members	Designation
1.	Dr. N. Usharani	Chairman
2.	Mr. T. Pitchaiah	Member
3.	Mr. B. Sunil Tej	Member
4.	Mr. P. Krishna Chaitanya	Member

Curriculum Design and Monitoring Committee is re-constituted for a term of three years. It analyses the feedback from the students and give inputs to the BOS.

Thanking you sir,

N. L
Head of the Department
Electronics and Communication Engineering

Copy to

1. The Vice Chancellor
2. The Registrar.
3. Dean, Academics.
4. ECE Faculty

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Department of Electronics & Communication Engineering.

Minutes of CDMC Meeting

26-02-2017

The members of Curriculum Design and Monitoring Committee for B. Tech Biomedical Engineering program met on 26-02-2017 at VSF09, 'H' block, of VFSTR. The following members attended the meeting.

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

Agenda of the meeting

1. Analysis of the feedback collected from various stakeholders such as Employers, Faculty, Parents and Students during the academic year 2016-17.

Chairman-CDMC, presented feedback analysis to the committee.

1. Employers suggested the following,
   a. Motivate the students towards research based on current trends.
   b. Project oriented curriculum gives hands on experience.
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
   a. Industrial visits & hospital vists are to be conducted
   b. Regular workshops need to be conducted.

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

Annexure 1

Feedback from Students 2016-17(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 students 2016 – 17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	65.5	34.5	0	0	0	4.655	Excellent
Q2	40	60	0	0	0	4.4	Excellent
Q3	40	58.2	1.8	0	0	4.382	Excellent
Q4	61.8	36.4	1.8	0	0	4.6	Excellent
Q5	40	60	0	0	0	4.4	Excellent
Q6	52.7	47.3	0	0	0	4.527	Excellent
Q7	49.1	50.9	0	0	0	4.491	Excellent
Q8	43.6	56.4	0	0	0	4.436	Excellent
Q9	41.8	58.2	0	0	0	4.418	Excellent

The highest score of 4.65 was given to the parameter "Course Contents of Curriculum are in tune with the Program Outcomes" and "Contact Hour Distribution among the various Course Components (LTP) is satisfiable" followed by "The design of courses in the Curriculum is considered the extra learning or self learning" with a score of 4.527 and has been rated as Excellent.

It is clearly visible from the table that the parameters "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 4.491 and 4.436 respectively and has been rated as Excellent.

The parameters "Inclusion of Minor Project/ Mini Projects improved the technical competency and leadership skills among the students" and "Curriculum is providing opportunity towards Self learning to realize the expectations" and "Course Contents are designed to enable Problem Solving Skills and Core competencies" and "The design of courses in the Curriculum is considered the extra learning or self learning" obtained the scores of 4.418 and 4.527 and 4.4 & 4.4 respectively and has been rated as Excellent which clearly reflects the benefit towards the student expectations.

Average scores of 4.382 and were obtained by the parameters "Courses placed in the curriculum serves the needs of both advanced and slow learners" but rated as excellent

Feedback from Employer 2016-17 (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 2.

Table 2: Analysis of feedback from Employer 2016 – 17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	0	100	0	0	0	4	Excellent
Q2	33.3	66.7	0	0	0	4.333	Excellent
Q3	66.7	33.3	0	0	0	4.667	Excellent
Q4	33.3	66.7	0	0	0	4.333	Excellent
Q5	66.7	33.3	0	0	0	4.667	Excellent

The highest score of 4.667 was given to the parameter "3. Applicability of the domains and the tools used for designing the experiments in terms of existing practices in the Biomedical Engineering Industry."& "5.Curriculum develops skills to model and analyze the biomedical and allied industrial issues" followed by "Professional and Open Electives are in relation to the Technological advancements and fulfilling the needs of biomedical and allied industries." ; "2. Curriculum helps in bridging gap between industry and academic institution." with a score of 4.333and has been rated as Excellent.

It is clearly visible from the table that the parameters "1. Course Contents of Curriculum are in tune with the Program Outcomes" followed by obtained average scores respectively and has been rated as Excellent

Feedback from faculty 2016-17 (Academic Year) - UG – B. Tech (BM)

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

Table 3: Analysis of feedback from faculty 2016–17

Parameters	Rating 5	Rating 4	Rating 3	Rating 2	Rating 1	Average Score	Rating
Q1	37.5	62.5	0	0	0	4.375	Excellent
Q2	25	75	0	0	0	4.25	Excellent
Q3	50	50	0	0	0	4.5	Excellent
Q4	62.5	37.5	0	0	0	4.625	Excellent
Q5	37.5	62.5	0	0	0	4.375	Excellent
Q6	0	100	0	0	0	4	Excellent
Q7	25	75	0	0	0	4.25	Excellent
Q8	37.5	62.5	0	0	0	4.375	Excellent
Q9	100	0	0	0	0	5	Excellent

The highest score of 5, &"Q9:Electives enable the passion to learn new technologies in emerging area ";4.625 was given to the parameter "The practical enable to develop experimental, design, problem solving and analysis skills of the students" followed by "3. Curriculum is sufficient to bridge the gap between industry standards /current global scenarios and academics" scored 4.5 & followed by "5.The timely coverage of syllabus is possible in the mentioned number of hours." ; "Q8:The number of theoretical courses and laboratory sessions sufficient to improve the technical skills of students" & "Q1:Course Contents of Curriculum are in tune with the Program Outcomes" with a score of 4.375 and has been rated as Excellent. "

"2.The depth of the course content is adequate to have significant learning outcomes." & "Q7: 7. Rate the capability of the curriculum for improving ethical values in students". which is having the similar score of 4.25 which are rated as excellent.

& "Q6:6. The Curriculum providing opportunity towards Self learning to realize the expectations" obtained scores 4 which were rated excellent

Feedback from Parent 2016-17 (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 4.

Table 4: Analysis of feedback from Parent 2016 – 17

Parameters	Strongly Agree	Agree	Moderate	Disagree	Strongly Disagree	Avg. Rating	Rating

Q1	0	100	0	0	0	4	Excellent
Q2	0	100	0	0	0	4	Excellent
Q3	33.3	33.3	33.3	0	0	3.996	Very Good
Q4	66.7	33.3	0	0	0	4.667	Excellent
Q5	0	100	0	0	0	4	Excellent

The highest score of 4.667 was given to the parameter "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." Has been rated excellent 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 parameters "1. Your ward is sensitized towards issues like gender equality, environment and sustainability, ethics and values etc., through relevant courses in the curriculum" and "5. Course Curriculum is of the global standard and is in tune with the needs of electrical and allied industries." obtained average scores 4 and rated as Excellent.

It is clearly visible from the table that the"3.Competency of your ward is on par with the students from other Universities/Institutes.." with a score of 3.996 has been rated as Excellent

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Chairman, CDMC