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SETHU INSTITUTE OF TECHNOLOGY, PULLOOR, KARIAPATTI – 626 115
3rd MEETING OF BOARD OF STUDIES IN
DEPARTMENT OF BIOMEDICAL ENGINEERING
HELD ON 04.08.2018



MINUTES OF MEETING

The Third Meeting of the Board of Studies in Department of Biomedical Engineering held on 04.08.2018 at Department Seminar Hall at Sethu Institute of Technology, Pulloor, Kariappatti.

Sl. No	Name Of The Member	Designation	Signature
1.	Dr. K. Hemalatha (Chair Person)	HOD/BME	
2.	Dr. S. Shenbaga Devi (External Academic Expert Member)	Professor & Director, Centre for Medical Electronics, College of Engineering, Guindy, Anna University, Chennai.	 4/8/2018
3.	Dr. A. Umarani (External Academic Expert Member)	Professor, KLN College of Engineering, Pottapalayam, Sivaganga Dist.	 4/8/18
4.	Mr. S. Kumar (Industry Expert)	The Manager, Biomedical Application, T&M TMI Systems	
5.	Mr. N. Kins Burk Sunil	AP (Sr. Gr)/BME	
6.	Ms. G. Lakshmi	AP (Sr. Gr.)/BME	 4/8/18
7.	Ms. K. Vimala Devi	AP/BME	 4/8/18
8.	Ms. N. Saranya Devi	AP/BME	
9.	Ms. K. S. Pavithra	AP/BME	
10.	Ms. D. S. Rabisha Darni	AP/BME	

The Chairman welcomed the members and presented the proposed Curriculum and Syllabi to be followed from 2016-17 Batch under Autonomous Regulation for B.E. Biomedical Engineering.

B.E Biomedical Engineering – 2016-17 under Autonomous Regulation 2015:

1. To consider and recommend the revised Department Vision, Mission, PEOs, POs and PSOs of the UG Biomedical Engineering Programmes for approval in the Academic Council

1.1 The Vision, Mission, PEOs, POs and PSOs of the UG Biomedical Engineering Programmes are discussed and based on the suggestion given by the members the Vision, Mission and PSO are modified.

2. Analysis of Stakeholders feedback regarding curriculum and syllabi

✓ 2.1 The BOS resolved to include 15UBM917 Embedded Systems in Medicine in elective as per stakeholders feedback.

✓ 2.2 The BOS resolved to include rheology of blood flow in the microcirculation in 15UGM952 Biofluid mechanics which is newly introduced as interdisciplinary course.

3. Multi/Inter disciplinary Theory courses

✓ 3.1 The BOS resolved to introduce 15UGM951 Electrical Hazards and Safety In Hospitals with the departments EEE & BME.

✓ 3.2 The BOS resolved to introduce 15UGM952 Biofluid Mechanics with the departments MECH & BME.

✓ 3.3 The BOS resolved to introduce 15UGM953 Big Data and IOT in Medical Applications with the departments IT & BME.

4. The improvements (addition or deletion of Courses/Topics) made in curriculum and syllabi under 2015 regulation.

✓ 4.1 The BOS resolved to introduce the following courses in the curriculum:

- ✓ • New elective course - 15UBM917 Embedded Systems in Medicine
- ✓ • One credit courses
 - 15UBM867 Medical Science
 - 15UBM868 3D Printing applicable to Medical Field

4.2 The BOS resolved to modify the syllabus of the following courses:

Semester III

4.3 It is resolved to remove the topic Poly phase rectifiers from the unit Pulse Circuits and Regulators of the course 15UBM305 Semiconductor Devices and Circuits.

4.4 It is resolved to remove the topic CC and CB amplifiers from the unit Amplifiers of the course 15UBM305 Semiconductor Devices and Circuits.

Semester V

4.5 It is resolved to include an experiment ECG signal generation in the course 15UBM508 Signal Processing and Techniques Laboratory.

4.6 It is resolved to include an experiment ECG Peak Detection in the course 15UBM508 Signal Processing and Techniques Laboratory.

Semester VII

4.7 It is resolved to Design and Develop any two experiments (One should be Hardware) in the Laboratory course 15UBM707 Project Design Laboratory.

The Board of Studies of the Department of Biomedical Engineering approve and recommend the Curriculum and Syllabi of B.E Biomedical Engineering to be followed from 2016-17 batch under autonomous regulations 2015 with above modifications.

5. The following point are discussed, modified and approved by the BoS

5.1 Mapping of COs with POs and PSOs

5.2 Assessment pattern and Assessment questions for the current semester courses in 2015 regulation

5.3 Mapping of Curriculum and syllabi with Programme Specific Criteria

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5.5 Classification of courses having focus on employability/ entrepreneurship/ skill development, employability/ entrepreneurship/ skill development.

5.6 The following industry designed courses are approved by BoS

- Python Programming
- Arduino Controller programming and its applications
- Industrial applications of Raspberry Pi

6. The BoS approved list of examiners from other colleges who could be invited for conducting practical examination/Project Viva, Question Paper Setting, Paper evaluation, Exam invigilation duties.

7. The Board of Department of Biomedical Engineering approves and recommends the following 3 credit theory courses to be offered as open choice electives s to be followed from 2016-17 batch under autonomous regulation R2015.

- ✓ • 15UBM951 Biomedical Instrumentation Systems
- ✓ • 15UBM952 Computer Applications in Medicine
- ✓ • 15UBM953 Forensic Science in Health Care
- ✓ • 15UBM954 Nuclear Medicine

The Chairman thanked the members for their contribution and suggestions in framing the Curriculum and Syllabi for B.E of Biomedical Engineering to be followed from 2016-17 under Autonomous Regulations 2015.


Chairman

Board of Studies
Biomedical Engineering