



# MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC, NBA & Affiliated to Anna University)  
Rasipuram - 637 408, Namakkal Dist., Tamil Nadu.

**Department of Biomedical Engineering**

**Minutes of 2<sup>nd</sup> Board of Studies Meeting**

**Venue: ECE Research Centre**

**Date: 20.08.2019**

**Sl.No.**

**Members**

1. **Dr.B.Gopi-Chairman, Board of Studies**  
Professor and Dean,  
Department of Electronics and Communication Engineering,  
Muthayammal Engineering College,  
Rasipuram-637408.
2. **Dr. C.Vasanthanayaki – University Nominee**  
Professor & Head,  
Department of Electronics and Communication Engineering,  
Government College of Engineering,  
Salem -25.
3. **Dr. P.Nirmal Kumar – Academic Expert**  
Professor,  
Department of Electronics and Communication Engineering,  
CEG Campus,  
Anna University,  
Chennai-600 025.
4. **Mr.P.Chinnadurai – Industry Expert**  
Associate Consultant,  
Jasmine Infotech Pvt. Limited,  
Chennai.
5. **Mr. N.Surendar – Alumni**  
Junior Telecom Officer,  
BSNL, Mohanur Road,  
Namakkal

6. **Dr.U.Saravanakumar -Internal Member**  
Professor and Head,  
Department of Electronics and Communication Engineering,  
Muthayammal Engineering College,  
Rasipuram-637408
- 7: **Dr.T.R.Ganesh Babu-Internal Member**  
Professor,  
Department of Electronics and Communication Engineering,  
Muthayammal Engineering College,  
Rasipuram-637408.
8. **Dr.T.Kowsalya-Internal Member**  
Professor,  
Department of Electronics and Communication Engineering,  
Muthayammal Engineering College,  
Rasipuram-637408.
9. **Dr.J.Rangarajan-Internal Member**  
Professor,  
Department of Electronics and Communication Engineering,  
Muthayammal Engineering College,  
Rasipuram-637408.
10. **Dr.K.Jothiramalingam - Internal Member**  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Muthayammal Engineering College,  
Rasipuram-637408.
11. **Dr.K.Ramar - Internal Member**  
Professor,  
Department of Mechanical Engineering,  
Muthayammal Engineering College,  
Rasipuram-637408.

## **Minutes of Meeting**

- The Chairman of the Board of Study welcomed all the members for the Second Board of Studies Meeting in the Department of Biomedical Engineering.
- The Anna University Nominee Suggested to include the mandatory courses in the curriculum with reference to UGC guideline and AICTE Curriculum.
- The BoS members discussed the scheme, curriculum and syllabi of B.E. Biomedical Engineering Degree Programme for the Regulations 2019 based on the AICTE recommendations with 161 credits.
- Curriculum as suggested by the Curriculum Development Committee (CDC) was reviewed and recommended.
- As per the suggestion of Stack holders, to enhance the practical skill of the students, separate Lab courses are introduced instead of Lab courses embedded with theory courses. After reviewing, the BoS members approved this.
- To align with the Make in India initiative by the Government, the BoS members suggested to include one or two papers related to concepts in design of products.
- On considering the National strategy of Artificial Intelligence and Health mission, BoS members reviewed and approved to include the subjects AI and Machine Learning, Internet of Things, Bio Sensors & Bio MEMS as Core or Elective course.
- New courses introduced into the curriculum to meet Industries requirements and to bridge the gap between Industry and Academy were discussed by the BoS members.
- The BoS members suggested that the topics like applications of Microprocessor and Microcontroller in Medicine Field to added in the Microprocessor and Microcontrollers in Medicine Subject.
- Analog and Digital Electronics Simulation Lab experiments can be done with Open Source Tools . Also, BoS members suggested to use the Virtual Lab of IITs to conduct the lab experiments.
- BoS members suggested that the courses Biomechanics , Rehabilitation Engineering to be added as a single subject .
- The suggestions of the Stack holders to include courses to improve life skill and ethics of the students were reviewed by the BoS members.

- To enhance Choice Based Credit System, BoS members suggested to include some more advanced courses as elective course.
- Syllabus revisions carried out in the curriculum as per the Annexure – I was discussed by the BoS members.
- BoS members suggested that, One Credit course or Internship may be offered in association with Industry, based on the requirements of current trends.
- The attainment level of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) were discussed by the BoS members.
- The CO attainment calculation for both the theory and practical courses were discussed and it was suggested that the levels may be fixed based on the course content or type.
- The PO/PSO attainment calculation methods were discussed.
- BoS members discussed the Value Added Courses, Employability Courses, Entrepreneurship and Skill Development Courses which were suggested by the stakeholders.
- Finally, the Chairman of the Board thanked all the BoS members for their Presence and Valuable Suggestions towards the enrichment of the Curriculum and Syllabi.

  
Chairman

Chairman  
Board of Studies

Department of Biomedical Engineering  
Muthayenmal Engineering College (Autonomous)  
Rasipuram, Namakkal Dist. 637 408.