



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)**

**Approved by AICTE, Affiliated to Anna University,
Accredited by NAAC, NBA (ECE/CSE/MECH) and ISO 9001:2015 Certified
Pullipalayam, Sankari, Salem (Dt.)**

DEPARTMENT OF BIOMEDICAL ENGINEERING

SECOND BOARD OF STUDIES MEETING

MINUTES OF MEETING

Meeting No. : SSCET/BME/02
Date : 25.06.2024
Time : 10.00 am
Venue : Board Room, A- BLOCK

The second Board of Studies Meeting of Biomedical Engineering have been convened for deliberating the curriculum and passing the same to the Academic Council.

The Chairperson welcomed the members and presented the curriculum of B.E- Biomedical Engineering programme under Regulation 2023 for the students admitted from the academic year 2023-24 onwards. The members had thorough discussion and resolved to pass the syllabi to the Academic Council.

The following points were discussed in the meeting

1. Syllabi of second year courses of B.E. Biomedical Engineering for the students admitted from the academic year 2023-24 onwards under Regulation 2023
2. Syllabi of value added and one credit course offered to B.E. Biomedical Engineering for the students admitted from the academic year 2023-24 onwards under Regulation 2023

1. Syllabus of second year courses of B.E. Biomedical Engineering for the students admitted from the academic year 2023-24 onwards.

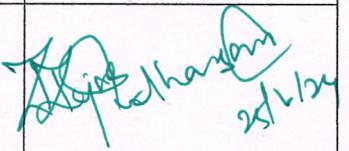
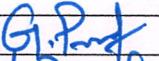
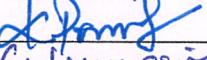
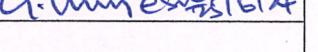
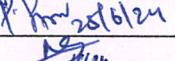
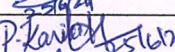
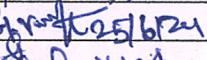
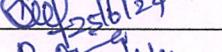
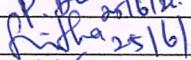
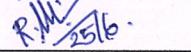
1.1 The BoS has resolved to pass the Syllabi of second year courses of B.E Electronics and Communication Engineering Programme to the Academic Council for approval with the following modification.

- Dr. M. Vijayaraj suggested the reference book “W.H.Hayt, J.E.Kemmarly, S.M.Durbin, Engineering Circuit Analysis, McGraw- Hill, New Delhi, Eighth Edition 2013” may be added as a text book in Course: 23BM402/Electric circuit analysis
- Dr. M. Vijayaraj suggested the reference book Robert L. Boylestad and Louis Nashelsky, “Electronic Devices and Circuit Theory” Pearson Prentice Hall, 11th Edition, 2014.” can be included as a Textbook in the course: 23BM304/ fundamentals Electronic Devices and Circuits.
- Dr. M. Vijayaraj suggested to give subdivisions for Experiment 3 in the laboratory components of course: 23BM304/fundamentals of electronic devices and circuits
- Dr. N. Ruban suggested to include topics on “biosensors” in the Course: 23BM401/Sensor and Measurement syllabus.
- Dr. N. Ruban suggested to replace the “Isolation amplifier” with an AC/DC potentiometer in the Course: 23BM401/Sensor and Measurement syllabus.
- Dr. Thomas George suggested to remove “Milking process” topic in the course: 23BM403/Medical Physics syllabus.
- Dr. N. Ruban suggested to include the reference book “Joseph Carr, Introduction to Biomedical Equipment technology, PHI publishers 4th edition” in the course: 23BM406/Biomedical Instrumentation
- Dr. N. Ruban suggested to include the reference book, B.S.Sonde, Introduction to System Design Using Integrated Circuits, New Age International,2nd edition, 1992, in the course: 23BM407/Analog and Digital Integrated Circuits
- Dr. N. Ruban suggested to remove “Chebyshev filter and frequency sampling method” in the course: 23BM409/Bio Signal Processing, include any one windowing technique.
- Dr. Thomas George informed that “Overlap Add and Overlap Save methods” should be removed from the course of Unit 2 in 23BM409/Bio Signal Processing.

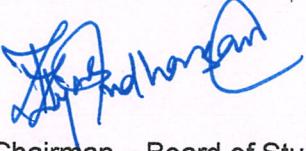
2. Syllabi of value added and one credit course offered to B.E. Biomedical Engineering for the students admitted from the academic year 2023-24 onwards under Regulation 2023

The BoS committee members has resolved to pass this syllabus on the **Value Added Course: Precision Problem Solving: Advanced Critical Care Essentials and One Credit Course on Bioelectronics and Anatomy-Centric Equipment Care & Troubleshooting** to the Academic Council for approval.

The following members were present during the meeting.

S.No.	Category	Name & Designation	Signature
1	Chairman	Dr. R. Raja Sudharsan, Associate Professor and Head Department of BME SSCET	 25/6/24
2	University Nominee	Dr. M. Vijayaraj, Professor and Head, Dept. of ECE, GCET, Tirunelveli	 25/6/24
3	Subject experts from outside the Parent University	Dr. N. Ruban Associate Professor Dept. of Control and Automation School of Electrical Engineering VIT University, Vellore	 25/6/24
		Dr. Thomas George, Prof and Head, Dept. of BME Karunya University, Coimbatore.	 25/6/24
4	Expert from Industry	Dr. S. Basakaran, Bio Medical Engineer and South Regional Manager, Gentech Pvt.Ltd.Puducherry	
6	Faculty Members	Dr. G. Petchinathan, Professor	 25/6/24
		Dr. K. Pandiammal, Associate Professor	 25/6/24
		Mr. G. Lingeswaran, Asst. Professor	 25/6/24
		Mr. M. Siva Subramaniyam, Asst. professor	
		Mr. P. Sudarsan, Asst. Professor	 25/6/24
		Mr. P. Pradosh Kumar, Asst. Professor	 25/6/24
		Mrs. P. Kavikiruthika, Asst. Professor	 25/6/24
		Mr. G. Vijaykumar, Asst. Professor	 25/6/24
		Mrs.S. Kanimozhi, Asst. Professor	 25/6/24
		Mrs.P. Dhivya, Asst. Professor	 25/6/24
		Mrs. S.Nithya, Asst. Professor	 25/6/24
		Mr. R. Sudarshan, Asst. Professor	 25/6/24




Chairman – Board of Studies


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Department of Biomedical Engineering

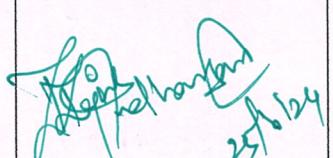
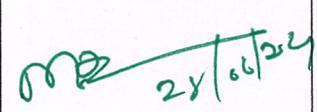
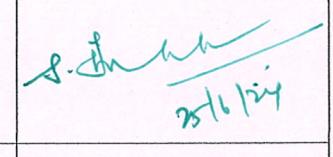
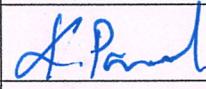
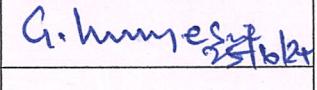
Second Board of Studies Meeting

Attendance Sheet

Date: 25.06.2024

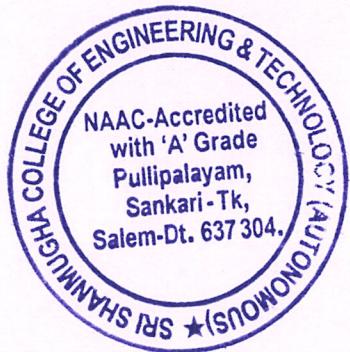
Time : 10.00 A.M.

Venue: Board Room, E- Block

S.No.	Category	Name & Designation	Signature
1	Chairman	Dr. R. Raja Sudharsan, Associate Professor and Head, Department of Biomedical Engineering, Sri Shanmuga College of Engineering and Technology, Salem.	 25/6/24
2	University Nominee	Dr. M. Vijayaraj, Professor and Head, Department of Electronics and Communication Engineering, Government College of Engineering, Tirunelveli	 25/6/24
3	Subject experts from outside the Parent University	Dr. N. Ruban Associate Professor Department of Control and Automation School of Electrical Engineering Vellore Institute of technology, Vellore	 25/6/24
		Dr. Thomas George, Professor and Head, Department of Biomedical Engineering Karunya University, Coimbatore.	 25/6/24
4	Expert from Industry	Dr. S. Basakaran, Bio Medical Engineer and South Regional Manager, Gentech Marketing and Distribution Pvt.Ltd. New Delhi	
6	Faculty Members	Dr. G. Petchinathan, Professor	
		Dr. K. Pandiammal, Associate Professor	
		Mr. G. Lingeshwaran, Asst. Professor	
		Mr. M. Siva Subramaniyam, Asst. professor	

Mr. P. Sudarsan, Asst. Professor	<i>P. Sudarsan</i> 25/6/24
Mr. P. Pradosh Kumar, Asst. Professor	<i>P. Pradosh</i> 25/6/24
Mrs. P. Kavikiruthika, Asst. Professor	<i>P. Kavikiruthika</i> 25/6/24
Mr. G. Vijaykumar, Asst. Professor	<i>G. Vijaykumar</i> 25/6/24
Mrs. S. Kanimozhi, Asst. Professor	<i>S. Kanimozhi</i> 25/6/24
Mrs. P. Dhivya, Asst. Professor	<i>P. Dhivya</i> 25/6/24
Mrs. S. Nithya, Asst. Professor	<i>S. Nithya</i> 25/6/24
Mr. R. Sudarshan, Asst. professor	<i>R. Sudarshan</i> 25/6

T. Venkateswaran
Chairman – Board of Studies





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ACTION TAKERN REPORT FOR SECOND BOARD OF STUDIES MEETING

The Second Board of Studies Meeting of Biomedical Engineering department was held on 25.6.2023 (Tuesday), 10:00AM at Board Room, E-Block. The Minutes of Meeting was recorded, and action taken is described as follows:

- Syllabi of Second year courses of B.E-Biomedical Engineering Programme for the students admitted from the academic year 2023-24 onwards under the regulation 2023 (R2023).**

Recommendations/Suggestions	Resolution
B.BM.1.1 Dr.M.Vijayaraj suggested the reference book "W.H.Hayt, J.E.Kemmarly,S.M.Durbin, Engineering Circuit Analysis, McGraw- Hill, New Delhi, Eighth Edition 2013" may be added as a text book in Course: 23BM402/Electric circuit analysis	B.BM.R.1.1 As per the suggestion the book "W.H.Hayt, J.E.Kemmarly, S.M.Durbin, Engineering Circuit Analysis, McGraw- Hill, New Delhi, Eighth Edition, 2013 was added in the text book section of this 23BM402/Electric circuit analysis
B.BM.1.2. Dr. M. Vijayaraj suggested the reference book Robert L. Boylestad and Louis Nashelsky, "Electronic Devices and Circuit Theory" Pearson Prentice Hall, 11th Edition, 2014." can be included as a Textbook in the course: 23BM304/fundamentals Electronic Devices and Circuits.	B.BM.R.1.2 As per the suggestion the Book Robert L. Boylestad and Louis Nashelsky, "Electronic Devices and Circuit Theory" Pearson Prentice Hall, 11th Edition, 2014 was included in the text book section of this course 23BM304/fundamentals Electronic Devices and Circuits.
B.BM.1.3 Dr. M. Vijayaraj suggested to give subdivisions for Experiment 3 of the laboratory component in the course: 23BM304/fundamentals of electronic devices and circuits	B.BM.R.1.3 As per the suggestion, Three subdivisions have been included in the Experiment No. 3 in the course: 23BM304 / fundamentals of electronic devices and circuits

2. Syllabi of one Credit Courses offered to B.E-Biomedical Engineering Programme for the students admitted from the academic year 2023-24 onwards under the regulation 2023 (R2023).

Recommendations/Suggestions	Resolution
B.BM.2.1: Discussion was made on the syllabi of one credit course and value added course offered to the students of Biomedical Engineering Department and the experts are convinced with the course contents	B.BM.R.2.1: The syllabus of One credit course and value added course was maintained the same.

These points of discussion and action taken report have been convened to deliberate the Syllabi and passing the same to the Academic Council.

CHAIRMAN-BOARD OF STUDIES

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