

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 26th Meeting of the Board of Studies in Biomedical Engineering held on 28.07.2022 at 11:00 am (Online mode).

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Dr.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
3. Dr. N.Bagyalakshmi, Member, BOS/ Biomedical Engineering
4. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
5. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
6. Dr.B.Padmapiya, Member, University Nominee
7. Dr.A.Kavitha, Member, Academic Council Nominee
8. Dr.N.Sriraam, Member, Academic Council Nominee
9. Mr.Rodda Koteeswara, Member, Industrial Expert
10. Mr. J. Hariraman, Member, Representative from Alumni
11. Dr.S.Sumathi, HOD/ECE/ACE, Inter Disciplinary Expert
12. Dr. V. Manivasagan, HOD/Bio Tech/ACE, Inter Disciplinary Expert

26.1 To consider the minutes of the Twenty fifth meeting of the Board of Studies in Biomedical Engineering held on 23.10.2021.

RESOLVED that the minutes of the Twenty fifth meeting of the Board of Studies in Biomedical Engineering have been considered.

26.2 To consider the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20.

RESOLVED that the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20 be approved (**Annexure – I**).

- 26.3 To consider the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2020-21.
RESOLVED that the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2020-21 be approved (**Annexure-II**).
- 26.4 To consider the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2021-22.
RESOLVED that the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2021-22 be approved (**Annexure-III**).
- 26.5 To consider the Continuous Assessment (Internal) and End Semester Assessment (External) Marks ratio under **Regulation 2022 (CBCS)**.
RESOLVED that the Continuous Assessment (Internal) and End Semester Assessment (External) Marks ratio under **Regulation 2022 (CBCS)** (**Annexure-IV**)
- 26.6 To consider the panel of examiners for the evaluation process.
RESOLVED that the panel of examiners for the evaluation process be approved (**Annexure-V**).

Date: 28.07.2022


Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR


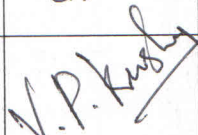
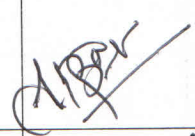
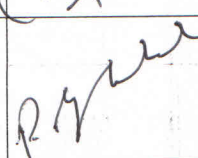
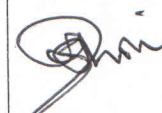
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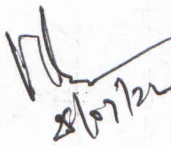
DEPARTMENT OF BIOMEDICAL ENGINEERING

26th Board of Studies meeting in Biomedical Engineering (UG)

Held on 28.07.2022 at 11:00 a.m (Online mode).

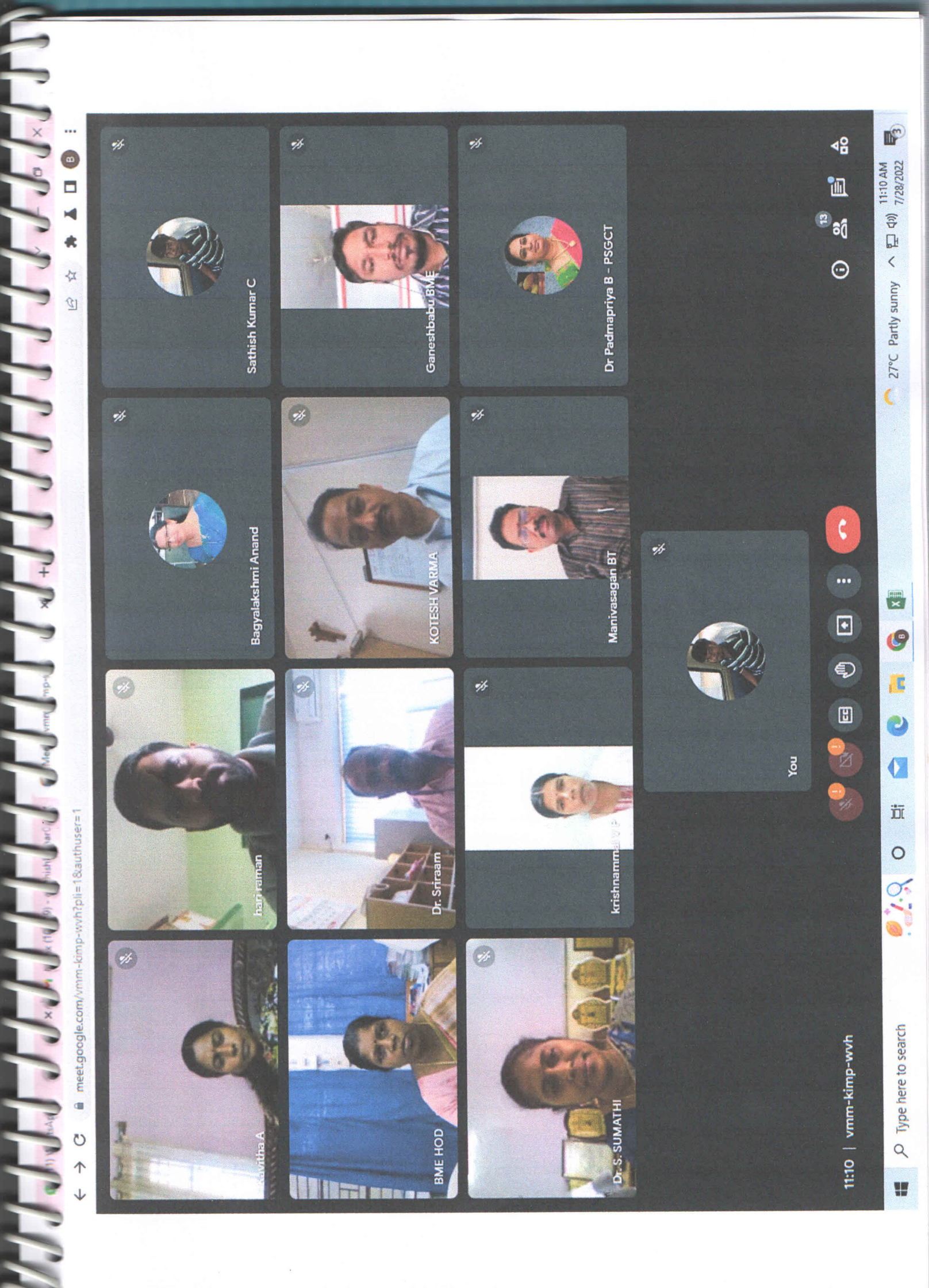
MEMBERS PRESENT

S. No.	Name	Address	Designation	Attendance
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	
2	Dr.V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
3	Dr. N.Bagyalakshmi	Associate Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
4	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
5	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
6	Dr.B.Padmapriya	Associate Professor Department of Biomedical Engineering PSG College of Technology Peelamedu, Coimbatore- 641004 Ph:9443883109 bpp.bme@psgtech.ac.in	University Nominee	Online
7	Dr.A.Kavitha	Professor & Head, Dept of Biomedical Engineering SSN College of Engineering, Chennai, Tamilnadu. 04427469700 kavithaa@ssn.edu.in	Member Nominated by Academic Council	Online

8	Dr.N.Sriraam	Professor & Head, Department of Medical Electronics, M.S.Ramaiah Institute of Technology, Bangalore, Karnataka Ph: 09632294999 sriraam@msrit.edu	Member Nominated by Academic Council	Online
9	Mr.Rodda Koteswara	HOD Biomedical Department, St.John's Medical College Hospital, Bangalore-560034	Industrial Expert	Online
10	Mr. J. Hariraman, B.E.,	Territory Manager Fisher and Paykel Healthcare Company Coimbatore Ph: 9597299911 Hariraman.jeyaprakash@fp hcare.in	Representative from Alumni	Online
11	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	
12	Dr. V. Manivasagan	Professor & Head Department of Biotechnology Adhiyamaan College of Engineering, Hosur Ph:9865373358 hod_bt@adhiyamaan.ac.in	Inter Disciplinary Expert	 28/07/21


Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu



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Aravitha A

Thumbnail of Aravitha A in a meeting room.

hari raman

Thumbnail of hari raman in a meeting room.

Bagyalakshmi Anand

Thumbnail of Bagyalakshmi Anand in a meeting room.

Sathish Kumar C

Thumbnail of Sathish Kumar C in a meeting room.

BME HOD

Thumbnail of BME HOD in a meeting room.

Dr. Srinraam

Thumbnail of Dr. Srinraam in a meeting room.

KOTESH VARMA

Thumbnail of KOTESH VARMA in a meeting room.

Ganeshbabu BME

Thumbnail of Ganeshbabu BME in a meeting room.

Dr. S. SUMATHI

Thumbnail of Dr. S. SUMATHI in a meeting room.

krishnamma V P

Thumbnail of krishnamma V P in a meeting room.

Manivasagan BT

Thumbnail of Manivasagan BT in a meeting room.

Dr Padmapriya B - PSGCT

Thumbnail of Dr Padmapriya B - PSGCT in a meeting room.

You

Thumbnail of the user (You) in a meeting room.

13

Meeting control icons: Mute, Video, Chat, Share, End Meeting, Help, More.

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Windows taskbar: Search, Task View, Edge, File Explorer, Teams, Outlook, OneDrive, Chrome, 27°C Partly sunny, 11:10 AM 7/28/2022

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 25th Meeting of the Board of Studies in Biomedical Engineering held on 23.10.2021 at 10:00 am (Online mode).

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Dr.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
3. Dr. N.Bagyalakshmi, Member, BOS/ Biomedical Engineering
4. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
5. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
6. Dr.B.Padmapiya, Member, University Nominee
7. Dr.A.Kavitha, Member, Academic Council Nominee
8. Dr.N.Sriraam, Member, Academic Council Nominee
9. Mr.Rodda Koteeswara, Member, Industrial Expert
10. Mr. J. Hariraman, Member, Representative from Alumni
11. Dr.S.Sumathi, HOD/ECE/ACE, Inter Disciplinary Expert
12. Dr. V. Manivasagan, HOD/Bio Tech/ACE, Inter Disciplinary Expert

- 25.1 To consider the minutes of the Twenty fourth meeting of the Board of Studies in Biomedical Engineering held on 30.03.2021.

RESOLVED that the minutes of the Twenty fourth meeting of the Board of Studies in Biomedical Engineering have been considered.

- 25.2 To consider the syllabi of 8th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19.

RESOLVED that the syllabi of 8th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19 be approved (**Annexure – I**).

25.3 To consider the syllabi of 6th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20.

RESOLVED that the syllabi of 6th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20 be approved (**Annexure-II**).

25.4 To consider the syllabi of 4th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2020-21.

RESOLVED that the syllabi of 4th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2020-21 be approved (**Annexure-III**).

25.5 To consider the panel of examiners for the evaluation process.

RESOLVED that the panel of examiners for the evaluation process be approved (**Annexure-IV**).

Date: 23.10.2021


23/10/21
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 636 109
Krishnagiri (Dt), Tamil Nadu.

Department of Biomedical Engineering-25 th BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2021-2022			
VIII	818BMT01	HOSPITAL ENGINEERING AND MANAGEMENT	The following topics have been included in the existing syllabus Unit I-Medical Ethics, Legal issues in hospital management
VIII	818BME04	ASSIST DEVICES	The following topics have been included in the existing syllabus Unit I- Pulmonary assist device Unit II- Peritoneal dialysis, , <i>Continuous Renal Replacement Therapy (CRRT)</i> Unit V-Brain Computer Interface
VIII	818BME06	INTERNET OF THINGS IN MEDICAL APPLICATION	The syllabus has been framed with the following unit modules Unit I – Fundamentals of IoT Unit II – IoT protocols Unit III – Design and Development Unit IV – Internet of Medical Things (IOMT) Unit V – IoT in Smart Healthcare System
VIII	818BME07	ADVANCED MEDICAL INSTRUMENTATION	The following topics have been included in the existing syllabus Unit-V - Smart phone based ECG monitoring system, Cloud computing technology
Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded			







Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Achiyamaan College of Engineering (Autonomous)
Hosur - 533 109
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR*(An Autonomous Institution Affiliated to Anna University, Chennai)***DEPARTMENT OF BIOMEDICAL ENGINEERING**25th Board of Studies meeting in Biomedical Engineering (UG)

Held on 23.10.2021 at 10:00 a.m (Online mode).

MEMBERS PRESENT

S. No.	Name	Address	Designation	Attendance
1	Dr. T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	
2	Dr. V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	Online
3	Dr. N.Bagyalakshmi	Associate Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
4	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
5	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
6	Dr.B.Padmapriya	Associate Professor Department of Biomedical Engineering PSG College of Technology Peelamedu, Coimbatore- 641004 Ph:9443883109 bpp.bme@psgtech.ac.in	University Nominee	Online
7	Dr.A.Kavitha	Professor & Head, Dept of Biomedical Engineering SSN College of Engineering, Chennai, Tamilnadu. 04427469700 kavithaa@ssn.edu.in	Member Nominated by Academic Council	Online

8	Dr.N.Sriraam	Electronics, M.S.Ramaiah Institute of Technology, Bangalore, Karnataka Ph: 09632294999 sriraam@msrit.edu	Member Nominated by Academic Council	Online
9	Mr.Rodda Koteswara	HOD Biomedical Department, St.John's Medical College Hospital, Bangalore-560034	Industrial Expert	Online
10	Mr. J. Hariraman, B.E.,	Territory Manager Fisher and Paykel Healthcare Company Coimbatore Ph: 9597299911 Hariraman.jeyaprakash@fp hcare.in	Representative from Alumni	Online
11	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	<i>Jeeva</i>
12	Dr. V. Manivasagan	Professor & Head Department of Biotechnology Adhiyamaan College of Engineering, Hosur Ph:9865373358 hod_bt@adhiyamaan.ac.in	Inter Disciplinary Expert	<i>online</i>

Jeeva
23/10/21
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu



S
Sathishkumar BME

hari raman

Udhaya Suriya Thankappan Saraswathi

Dr. S. SUMATHI

K
Kavitha A

Dr. Padmapriya B - PSGCT

K
KOTESH VARMA

krishnammal V P

Dr. Sriiraam

g
ganesh babu

Dr. Padmapriya B - PSGCT

Bagyalakshmi Anand

B
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ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 24th Meeting of the Board of Studies in Biomedical Engineering held on 30.03.2021 at 11:00 a.m (Online mode).

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Dr.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
3. Dr. N.Bagyalakshmi, Member, BOS/ Biomedical Engineering
4. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
5. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
6. Dr.B.Padmapriya, Member, University Nominee
7. Dr.A.Kavitha, Member, Academic Council Nominee
8. Dr.N.Sriraam, Member, Academic Council Nominee
9. Mr.Rodda Koteeswara, Member, Industrial Expert
10. Mr. J. Hariraman, Member, Representative from Alumni
11. Dr.S.Sumathi, HOD/ECE/ACE, Inter Disciplinary Expert
12. Dr.N.G. Ramesh Babu, HOD/Bio Tech/ACE, Inter Disciplinary Expert

- 24.1 To consider the minutes of the Twenty third meeting of the Board of Studies in Biomedical Engineering held on 17.10.2020.

RESOLVED that the minutes of the Twenty third meeting of the Board of Studies in Biomedical Engineering have been considered.

- 24.2 To consider the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19.

RESOLVED that the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19 be approved (**Annexure – I**).

24.3 To consider the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20.

RESOLVED that the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20 be approved (**Annexure-II**).

24.4 To consider the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2020-21.

RESOLVED that the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2020-21 be approved (**Annexure-III**).

24.5 To consider the panel of examiners for the evaluation process.

RESOLVED that the panel of examiners for the evaluation process be approved (**Annexure-IV**).

Date: 30.03.2021


30/3/21
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

Department of Biomedical Engineering-24 th BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2020-2021			
VII	718BMT01	MEDICAL OPTICS	The following topics have been included Single channel and multichannel detectors-Unit II Holmium Laser. -Unit III
VII	718BMT03	BIOMECHANICS	The following topics have been included Stress strain analysis - Unit I Gait Analysis-abnormal gait-corrective measures- Unit IV Ortho implants-types and applications- Unit V
VII	718BMT04	MEDICAL INFORMATICS	The following topics have been included Standards- HL7, JCAHO, JCIA-Unit II Picture Achieving and Communication System (PACs), Electronic health record (EHR)-Unit IV Smart medical homes, Personalized e-Health Services – Unit V
VII	718BME05	BIOSENSORS AND TRANSDUCERS	The syllabus has been framed with the following unit modules UNIT I-General components and working principles of biosensors Unit II-Micromachining for Biosensors And Bio sensing Systems Unit III-Classification of Biosensors Unit IV-Applications of Biosensors Unit V-Physico-Chemical Transducers
VII	718BME07	EMBEDDED SYSTEMS	The following topics have been included Embedded medical applications: Ophthalmology - Glaucoma screening device, Medical Imaging Acquisition User Interface, acquisition and implementation of biopotential, Drug delivery systems, Patient monitoring Systems- Unit V
VII	718BME08	REHABILITATION ENGINEERING	The following topics have been included Introduction to virtual reality, Virtual reality based rehabilitation, Hand

			motor recovery systems with Phantom haptics, Robotics and Virtual Reality Applications in Mobility Rehabilitation - Unit IV
VII	718BME09	ICU AND OPERATION THEATRE EQUIPMENTS	The following topics have been included in the existing syllabus Syringe pump - Unit I Peritoneal Dialysis, High flow Cannula Therapy - Unit II Scavenging system – Unit III
VII	718BME10	HOSPITAL WASTE MANAGEMENT	The syllabus has been framed with the following unit modules Unit I - Healthcare Hazard Control and Understanding Accidents Unit II - Biomedical Waste Management Unit III - Hazardous Materials Unit IV - Facility Safety Unit V - Infection Control, Prevention and Patient Safety
VII	718BME11	INTELLECTUAL PROPERTY RIGHTS	The syllabus has been framed with the following unit modules Unit I – Introduction Unit II – Registration of IPRs Unit III – International agreements Unit IV – Indian legislations towards IPR Unit V – Enforcement of IPRs
VII	718BMP09	INTERPERSONAL SKILLS/ LISTENING AND SPEAKING	Newly introduced course helps the students to improve their interpersonal skills/listening and speaking. This course is focuses on employability
Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded			



Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Achiyamban College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR*(An Autonomous Institution Affiliated to Anna University, Chennai)***DEPARTMENT OF BIOMEDICAL ENGINEERING**24th Board of Studies meeting in Biomedical Engineering (UG)

Held on 30.03.2021 at 11:00 a.m (Online mode).

MEMBERS PRESENT

S. No.	Name	Address	Designation	Attendance
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	Present
2	Dr.V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	Present
3	Dr. N.Bagyalakshmi	Associate Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	Present
4	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	Present
5	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	Present
6	Dr.B.Padmapriya	Associate Professor Department of Biomedical Engineering PSG College of Technology Peelamedu, Coimbatore- 641004 Ph:9443883109 bpp.bme@psgtech.ac.in	University Nominee	Present
7	Dr.A.Kavitha	Professor & Head, Dept of Biomedical Engineering SSN College of Engineering, Chennai, Tamilnadu. 04427469700 kavithaa@ssn.edu.in	Member Nominated by Academic Council	Present

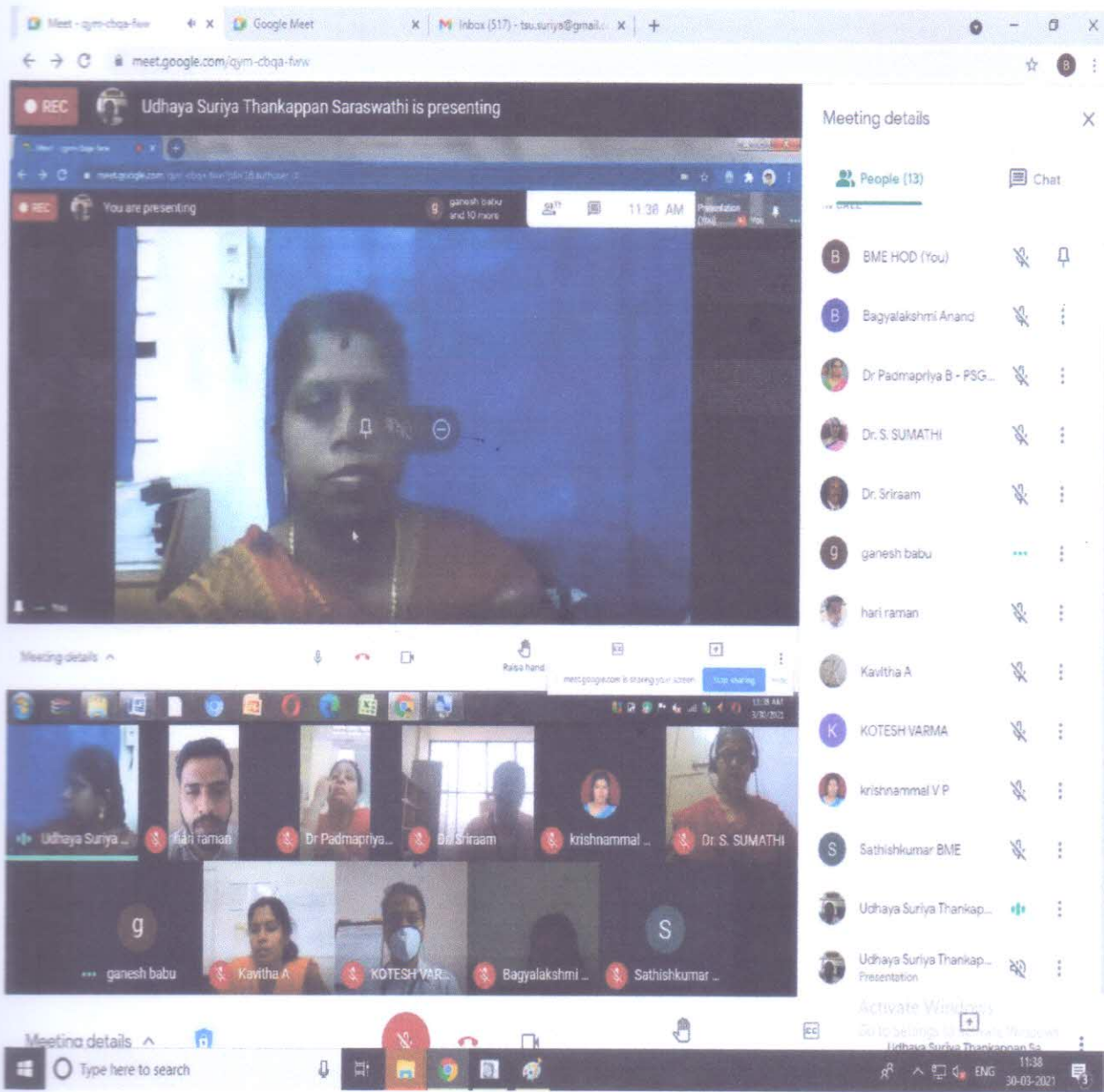
9	Mr.Rodda Koteswara	HOD Biomedical Department, St.John's Medical College Hospital, Bangalore-560034	Industrial Expert	Present
10	Mr. J. Hariraman, B.E.,	Territory Manager Fisher and Paykel Healthcare Company Coimbatore Ph: 9597299911 Hariraman.jeyaprakash@fp hcare.in	Representative from Alumni	Present
11	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	Present
12	Dr.N.G. Ramesh Babu	Professor & Head Department of Biotechnology Adhiyamaan College of Engineering, Hosur Ph:9845697770 hod_bt@adhiyamaan.ac.in	Inter Disciplinary Expert	Present

Sreyas
20/3/21
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

24th BoS meeting held on 30.03.2021

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ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 23rd Meeting of the Board of Studies in Biomedical Engineering held on 17.10.2020 at 11:00 a.m.

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Dr.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
3. Dr. N.Bagyalakshmi, Member, BOS/ Biomedical Engineering
4. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
5. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
6. Dr.B.Padmapriya, Member, University Nominee
7. Dr.A.Kavitha, Member, Academic Council Nominee
8. Dr.N.Sriraam, Member, Academic Council Nominee
9. Mr.Rodda Koteeswara, Member, Industrial Expert
10. Mr. J. Hariraman, Member, Representative from Alumni
11. Dr.S.Sumathi, HOD/ECE/ACE, Inter Disciplinary Expert
12. Dr.N.G. Ramesh Babu, HOD/Bio Tech/ACE, Inter Disciplinary Expert

- 23.1 To consider the minutes of the Twenty second meeting of the Board of Studies in Biomedical Engineering held on 9.11.2019.

RESOLVED that the minutes of the Twenty second meeting of the Board of Studies in Biomedical Engineering have been considered.

- 23.2 To consider the minutes of Board of Studies in Biomedical Engineering held on 27.06.2020.

RESOLVED that the minutes of the Board of Studies in Biomedical Engineering have been considered.

23.3 To consider the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18.

RESOLVED that the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18 be approved (**Annexure – I**).

23.4 To consider the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19.

RESOLVED that the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19 be approved (**Annexure-II**).

23.5 To consider the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20.

RESOLVED that the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20 be approved (**Annexure-III**).

23.6 To consider the syllabi of 8th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18.

RESOLVED that the syllabi of 8th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18 be approved (**Annexure – IV**).

23.7 To consider the syllabi of 6th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19.

RESOLVED that the syllabi of 6th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19 be approved (**Annexure-V**).

23.8 To consider the syllabi of 4th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20.

RESOLVED that the syllabi of 4th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20 be approved (**Annexure-VI**).

23.9 To consider the curriculum of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students to be admitted in 2020-21.

RESOLVED that the curriculum of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students to be admitted in 2020-21 be approved (**Annexure-VII**).

23.10 To consider the panel of examiners for the evaluation process.

RESOLVED that the panel of examiners for the evaluation process be approved (**Annexure-VIII**).

Date: 17.10.2020


17/10/2020
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

Department of Biomedical Engineering-23 rd BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2020-2021			
VI	618BMT01	DIAGNOSTIC EQUIPMENT	The following topics have been included ECG machine maintenance and troubleshooting. EEG system maintenance and troubleshooting-Unit I Echoencephalogram-Unit II Apnoea Monitor, Oximetry-In vitro oximetry, In vivo oximetry, Ear oximeter-Unit III Basal Skin Resistance (BSR)-Unit IV Patient monitoring systems, ICU/CCU Equipments, bed side monitors, Infusion pumps, Central consoling controls. Radio Telemetry (single, multi), Portable and Landline Telemetry unit, Applications in ECG and EEG Transmission-Unit V
VI	618BMT02	THERAPEUTIC EQUIPMENT	The following topics have been included Hazards and safety procedures -I Unit Spinal cord stimulator, Brain stimulation for pain reduction -III Unit Electrical safety codes and standards- IEC 60601-1 2005 standard- Unit V
VI	618BMT03	RADIOLOGICAL EQUIPMENT	The following topics have been included Causes of x-ray tube failure: Electron arcing/filament burn out, Failure to warm up tube, High temp due to over exposure, x-ray tube rating charts. Image characteristics-Unit I 3D Imaging and its application-Unit II Radionuclide imaging- Bone imaging, myocardial perfusion-Unit IV Recent Techniques in radiation therapy - 3DCRT – IMRT – IGRT and Cyber knife-Unit V
VI	618BME06	BIO SIGNAL PROCESSING	The syllabus has been reframed with the following unit modules Unit I - Introduction to Biomedical Signals

			Unit II - Filtering for Removal of Artifact Unit III - Cardiovascular Applications Unit IV - Neurological Applications Unit V - Analysis on Wave shape, Signal Classification and Recognition
VI	618BME07	CLINICAL ENGINEERING	A model clinical engineering department has been included in the I Unit. Maintenance and repair of medical devices has been included in the II Unit.
VI	618BME08	PHYSIOLOGICAL MODELLING	The syllabus has been reframed with the following unit modules Unit I - Introduction to Physiological Modelling Unit II - Modelling of Dynamic Physiological System Unit III - Nonlinear Models of Physiological Systems Unit IV - Compartmental Physiological Model Unit V - Simulation of Physiological Systems
Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded			



Chairman, Board of Studies
 Faculty of Bio Medical Engineering (UG)
 Adhiyamaan College of Engineering (Autonomous)
 Krishnagiri, Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR
(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

23rd Board of Studies meeting in Biomedical Engineering (UG)

Held on 17.10.2020 at 11:00 a.m.

MEMBERS PRESENT

S. No.	Name	Address	Designation	Attendance
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	Present
2	Dr.V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	Present
3	Dr. N.Bagyalakshmi	Associate Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	Present
4	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	Present
5	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	Present
6	Dr.B.Padmapriya	Associate Professor Department of Biomedical Engineering PSG College of Technology Peelamedu, Coimbatore- 641004 Ph:9443883109 bpp.bme@psgtech.ac.in	University Nominee	Present
7	Dr.A.Kavitha	Professor & Head, Dept of Biomedical Engineering SSN College of Engineering, Chennai, Tamilnadu. 04427469700 kavithaa@ssn.edu.in	Member Nominated by Academic Council	Present

8	Dr.N.Sriraam	Professor & Head, Department of Medical Electronics, M.S.Ramaiah Institute of Technology, Bangalore, Karnataka Ph: 09632294999 sriraam@msrit.edu	Member Nominated by Academic Council	Present
9	Mr.Rodda Koteswara	HOD Biomedical Department, St.John's Medical College Hospital, Bangalore-560034	Industrial Expert	Present
10	Mr. J. Hariraman, B.E.,	Territory Manager Fisher and Paykel Healthcare Company Coimbatore Ph: 9597299911 Hariraman.jeyaprakash@fp hcare.in	Representative from Alumni	Present
11	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	Present
12	Dr.N.G. Ramesh Babu	Professor & Head Department of Biotechnology Adhiyamaan College of Engineering, Hosur Ph:9845697770 hod_bt@adhiyamaan.ac.in	Inter Disciplinary Expert	Present

Jey
17/10/20
Chairman

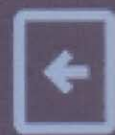
Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

REC

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You



Dr. Sriraam

E

ECE HOD



hari raman



Kavitha A

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ganesh babu



Sathish chandr...



BPP-BME PSG ...

Meeting details ^



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You are presenting



ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the Meeting of the Board of Studies in Biomedical Engineering held on 27.06.2020 at 11:00 a.m.

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Dr.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
3. Dr. V.Veeramanikandan, Member, BOS/ Biomedical Engineering
4. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
5. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
6. Dr.S.Rajkumar, Member, Academic Council Nominee
7. Mr.Sivaraj, Member, Representative from Alumni
8. Dr.S.Sumathi, HOD/ECE/ACE, Inter Disciplinary Expert
9. Dr.S. Sujatha, HOD/EIE/ACE, Inter Disciplinary Expert

1. To consider the minutes of the Twenty second meeting of the Board of Studies in Biomedical Engineering held on 9.11.2019.

RESOLVED that the minutes of the Board of Studies in Biomedical Engineering have been considered.

2. To consider the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18.

RESOLVED that the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18 be approved (**Annexure – I**).

3. To consider the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19.

RESOLVED that the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19 be approved (**Annexure-II**).

4. To consider the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20.

RESOLVED that the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20 be approved (**Annexure-III**).

5. To consider the panel of examiners for the evaluation process.

RESOLVED that the panel of examiners for the evaluation process be approved (**Annexure-V**).

Date: 27.06.2020


27/6/2020
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

Department of Biomedical Engineering-22 nd +1 BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2020-2021			
V	518BMT02	DIGITAL SIGNAL PROCESSING AND BIOMEDICAL APPLICATION	The following topics have been included Biomedical Applications of DSP – I Unit Case study-FIR filters in a hearing aid- II Unit Case study- IIR filters to extract alpha activity from EEG Signal –III Unit
V	518BMT03	MICROPROCESSOR MICROCONTROLLER AND SYSTEM DESIGN	AVR Microcontroller, Case study- Microcontroller in Biomedical Applications have been included in the V Unit
V	518BMT05	ANALOG & DIGITAL COMMUNICATION	The following topics have been included Data compression of ECG signals using delta modulation –I Unit DEPSK(Digitally encoded PSK)- III Unit Wireless patient monitoring system (WPM) –V Unit
Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded			



Chairman, Board of Studies
 Faculty of Bio Medical Engineering (UG)
 Adhyanan College of Engineering (Autonomous)
 Kanchi, Tamil Nadu

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies meeting in Biomedical Engineering (UG)

Held on 27.06.2020 at 11:00 a.m.

MEMBERS PRESENT

S. No.	Name	Address	Designation	Attendance
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	Present
2	Dr.V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	Present
3	Dr. N.Bagyalakshmi	Associate Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	Present
4	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	Present
5	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	Present
6	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	Present
7	Dr.S. Sujatha	Professor & Head Department of Electronics and Instrumentation Adhiyamaan College of Engineering, Hosur Ph:9845697770 hod_eie@adhiyamaan.ac.in	Inter Disciplinary Expert	Present


Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 22nd Meeting of the Board of Studies in Biomedical Engineering held on 9.11.2019 at 11:30 a.m.

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
3. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
4. Prof.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
5. Prof V.Veeramanikandan, Member, BOS/ Biomedical Engineering
6. Dr.S.Rajkumar, Member, Academic Council Nominee
7. Mr.Rodda Koteeswara, Member, Industrial Expert
8. Mr. Sivaraj, Member, Representative from Alumni
9. Dr.S.Sujatha, Member, Inter Disciplinary Expert
10. Dr.S.Sumathi, Member, Inter Disciplinary Expert

- 22.1 To consider the minutes of the Twenty first meeting of the Board of Studies in Biomedical Engineering held on 27.04.2019.

RESOLVED that the minutes of the Twenty first meeting of the Board of Studies in Biomedical Engineering have been considered.

- 22.2 To consider the syllabi of 8th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2016-17.

RESOLVED that the syllabi of 8th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2016-17 be approved (**Annexure – I**).

22.3 To consider the syllabi of 6th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18.

RESOLVED that the syllabi of 6th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18 be approved (**Annexure-II**).

22.4 To consider the syllabi of 4th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19.

RESOLVED that the syllabi of 4th semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19 be approved (**Annexure-III**).

22.5 To consider the curriculum B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20.

RESOLVED that the curriculum of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2019-20 be approved (**Annexure-IV**).

22.6 To consider the panel of examiners for the evaluation process.

RESOLVED that the panel of examiners for the evaluation process be approved (**Annexure-V**).

Date: 09.11.2019


9/11/19
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

Department of Biomedical Engineering-22 nd BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2019-2020			
IV	418BMT02	ANALOG INTEGRATED CIRCUITS	The following topics are included in the existing syllabus , UNIT – II Feedback Amplifiers Current mirror and current sources, Current sources as active loads, Voltage sources, Voltage References, BJT Differential amplifier with active loads, Basic concept of feedback amplifiers- positive feed back, Advantages of negative feedback – voltage / current, series , Shunt feedback – stability of feed back. UNIT-V-Three terminal fixed and adjustable voltage regulators
VI	418BMT03	DIGITAL LOGIC DESIGN	The Double Data Rate SDRAM included in the IV Unit Case studies-Biomedical Application included in the V unit
VI	418BMT04	PATHOLOGY AND MICROBIOLOGY	The syllabus has been framed with the following unit modules UNIT – I Cell Degeneration, Repair & Neoplasia UNIT – II Fluid and Hemodynamic Derangements UNIT – III Fundamentals of Microbiology UNIT – IV Microbial diseases and Diagnosis UNIT – V Immunopathology & Immuno Diagnosis
VI	418BMT05	BIOCHEMISTRY	The syllabus has been framed with the following unit modules UNIT – I Introduction to Biochemistry UNIT – II Carbohydrates UNIT – III Lipids UNIT – IV Nucleic Acid & Protein UNIT – V Enzyme & its clinical application
VI	418BMP08	PATHOLOGY AND MICROBIOLOGY LABORATORY	Newly Introduced Lab
Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded			









Chairman, Board of Studies
 Faculty of Bio Medical Engineering (UG)
 Adhityamaan College of Engineering (Autonomous)
 Hosur - 515 109
 Krishnagiri (S), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR*(An Autonomous Institution Affiliated to Anna University, Chennai)***DEPARTMENT OF BIOMEDICAL ENGINEERING**22nd Board of Studies meeting in Biomedical Engineering (UG)

Held on 09.11.2019 at 11:30 a.m.

MEMBERS PRESENT

S. No.	Name	Address	Designation	Signature
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	
2	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
3	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
4	Prof.V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
5	Prof.V.Veeramanikandan	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
6	Dr.M.Sasikala	Associate Professor Department of Electronics & Communication Engineering CEG Campus, Anna University, Chennai-600025	University Nominee	AB
7	Dr.S.Rajkumar	Professor & Head Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai	Member Nominated by Academic Council	
8	Dr.N.Sriraam	Professor & Head Department of Medical Electronics, M.S.Ramaiah Institute of Technology, Bangalore,	Member Nominated by Academic Council	AB

		Karnataka.		
9	Mr.Rodda Koteswara	HOD Biomedical Department, St.John's Medical College Hospital, Bangalore-560034	Industrial Expert	<i>R. Koteswara</i>
10	Mr.Sivaraj	Senior Executive Service Karlstorz Ltd, Healthcare Sector, Bangalore-560001	Representative from Alumni	<i>T. P. Sivaraj</i>
11	Dr.S.Sujatha	Professor & Head Department of Electronics & Instrumentation Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	<i>S. Sujatha</i>
12	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	<i>S. Sumathi</i>

S. Sivaraj
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

DEPARTMENT OF BIOMEDICAL ENGINEERING

PHOTOGRAPH OF 22ND BOARD OF STUDIES MEETING ON 09.11.2019



ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 21st Meeting of the Board of Studies in Biomedical Engineering held on 27.04.2019 at 11:30 a.m.

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
3. Prof.Kumar Kandukuri, Member, BOS/ Biomedical Engineering
4. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
5. Prof.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
6. Dr.M.Sasikala, Member, University Nominee
7. Dr.S.Rajkumar, Member, Academic Council Nominee
8. Mr.Rodda Koteeswara, Member, Industrial Expert
9. Mr. Sivaraj, Member, Representative from Alumni
10. Dr.S.Sujatha, Member, Inter Disciplinary Expert
11. Dr.S.Sumathi, Member, Inter Disciplinary Expert

- 21.1 To consider the minutes of the twentieth meeting of the Board of Studies in Biomedical Engineering held on 27.10.2018.

RESOLVED that the minutes of the twentieth meeting of the Board of Studies in Biomedical Engineering have been considered.

- 21.2 To consider the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2016-17.

RESOLVED that the syllabi of 7th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2016-17 be approved (**Annexure – I**).

21.3 To consider the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18.

RESOLVED that the syllabi of 5th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18 be approved (**Annexure-II**).

21.4 To consider the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19.

RESOLVED that the syllabi of 3rd semester of B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19 be approved (**Annexure-III**).

21.5 To consider the proposed one credit course (OCC) Industry Interface Program of 8th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted from 2015-16 to gain knowledge in the latest trends and techniques in medical and healthcare.

RESOLVED that the proposed one credit course (OCC) Industry Interface Program of 8th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted from 2015-16 to gain knowledge in the latest trends and techniques in medical and healthcare be approved (**Annexure-IV**).

21.6 To consider the list of panel of examiners for the evaluation process.

RESOLVED that the list of panel of examiners for the evaluation process be approved (**Annexure-V**).

Date: 27.04.2019


Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

Department of Biomedical Engineering-21 st BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2018-2019			
III	318BMT02	ELECTRICAL MACHINES	The following topics are included in the existing syllabus, UNIT – I Magnetic circuits Magnetic effects of electric current, Magnetic circuits, Magnetic materials and B-H relationship, Electromagnetic induction and force, Hysteresis and eddy current losses.
III	318BMT03	HUMAN ANATOMY & PHYSIOLOGY	The syllabus has been framed with the following unit modules Unit I -Basics of Human Body Unit II -Hematological System Unit III -Renal, Respiratory And Cardiac System Unit IV -Nervous System, Sensory Organs And Endocrine System Unit V -Skeletal, Digestive And Reproductive System
Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded			



Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
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Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR






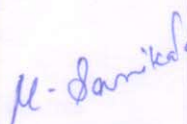


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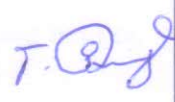

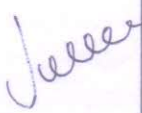
DEPARTMENT OF BIOMEDICAL ENGINEERING

21st Board of Studies meeting in Biomedical Engineering (UG)

Held on 27.04.2019 at 11:30 a.m.

MEMBERS PRESENT

S. No.	Name	Address	Designation	Signature
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	
2	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
3	Prof.Kumar Kandukuri	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
4	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
5	Prof.V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
6	Dr.M.Sasikala	Associate Professor Department of Electronics & Communication Engineering CEG Campus, Anna University, Chennai-600025	University Nominee	
7	Dr.S.Rajkumar	Professor & Head Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai	Member Nominated by Academic Council	
8	Dr.N.Sriraam	Professor & Head Department of Medical Electronics, M.S.Ramaiah Institute of Technology, Bangalore,	Member Nominated by Academic Council	

		Karnataka.		
9	Mr.Rodda Koteswara	HOD Biomedical Department, St.John's Medical College Hospital, Bangalore-560034	Industrial Expert	
10	Mr.Sivaraj	Senior Executive Service Karlstorz Ltd, Healthcare Sector, Bangalore-560001	Representative from Alumni	
11	Dr.S.Sujatha	Professor & Head Department of Electronics & Instrumentation Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	
12	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	



Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

DEPARTMENT OF BIOMEDICAL ENGINEERING

PHOTOGRAPH OF 21ST BOARD OF STUDIES MEETING ON 27.04.2019



ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 20th Meeting of the Board of Studies in Biomedical Engineering held on 27.10.2018 at 10:30 a.m.

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
3. Prof.Kumar Kandukuri, Member, BOS/ Biomedical Engineering
4. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
5. Prof.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
6. Dr.M.Sasikala, Member, University Nominee
7. Dr.S.Rajkumar, Member, Academic Council Nominee
8. Dr.N.Sriraam, Member, Academic Council Nominee
9. Mr.Rodda Koteeswara, Member, Industrial Expert
10. Mr. Sivaraj, Member, Representative from Alumni
11. Dr.S.Sujatha, Member, Inter Disciplinary Expert
12. Dr.S.Sumathi, Member, Inter Disciplinary Expert

- 20.1 To consider the minutes of the Nineteenth meeting of the Board of Studies in Biomedical Engineering held on 21.04.2018.

RESOLVED that the minutes of the Nineteenth meeting of the Board of Studies in Biomedical Engineering have been considered.

- 20.2 To consider the syllabi of 8th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2015-16.

RESOLVED that the syllabi of 8th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2015-16 be approved (**Annexure – I**).

20.3 To consider the syllabi of 6th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2016-17.

RESOLVED that the syllabi of 6th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2016-17 be approved (**Annexure-II**).

20.4 To consider the syllabi of 4th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18.

RESOLVED that the syllabi of 4th semester of B.E (Biomedical Engineering) under **Regulation 2015 (CBCS)** for the batch of students admitted in 2017-18 be approved (**Annexure-III**).

20.5 To consider the curriculum and evaluation criteria of Regulation 2018, B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19.

RESOLVED that the curriculum and evaluation criteria of Regulation 2018, B.E (Biomedical Engineering) under **Regulation 2018 (CBCS)** for the batch of students admitted in 2018-19 be approved (**Annexure-IV**).

20.6 To consider the list of panel of examiners for the evaluation process.

RESOLVED that the list of panel of examiners for the evaluation process be approved (**Annexure-V**).

Date: 27.10.2018

Chairman


27/10/18
Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu,

Department of Biomedical Engineering-20 th BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2018-2019			
VIII	815BMT01	HOSPITAL ENGINEERING AND MANAGEMENT	The syllabus has been reframed with the following unit modules <ul style="list-style-type: none"> • Overview of Hospital Administration • Human Resource Management in Hospital • Marketing Research Process • Hospital Information Systems & Supportive Services • Quality and Safety Aspects in Hospital
VIII	815BME02	NANOTECHNOLOGY	The syllabus has been reframed with the following unit modules <ul style="list-style-type: none"> • Introduction to Nanotechnology • Fabrication and Characterization of Nanomaterials • Properties and Measurement of Nanomaterials • Nano Structures • Applications of Nanotechnology
VIII	815BME04	ASSIST DEVICES	The following topics are removed in the existing syllabus, From unit III - Bionic Eye From unit IV - Gait analysis I
VIII	815BME05	MEMS	Unit I MemS Materials and Fabrication and Unit IV Micro fluidic System has been swapped
VIII	815BME06	DISASTER MANAGEMENT & MITIGATION	The syllabus has been framed with the following unit modules Unit I-Introduction Unit II-Environmental Disaster Unit III-Earthquake and tsunami Unit IV-Cyclone Unit V-Application of technology in disaster management
VIII	815BME07	ADVANCED MEDICAL INSTRUMENTATION	The syllabus has been reframed with the following unit modules <ul style="list-style-type: none"> • Implantable stimulators • Sensory instruments • Special equipments • Analytical instruments

			<ul style="list-style-type: none"> • Applications of medical equipments
VIII	815BME08	BRAIN COMPUTER INTERFACE AND APPLICATIONS	<p>The syllabus has been framed with the following unit modules</p> <p>Unit I- Introduction to BCI</p> <p>Unit II - Brain activation</p> <p>Unit III- Feature extraction methods</p> <p>Unit IV -Machine learning methods for BCI</p> <p>Unit V - Case studies in Invasive BCIs and Noninvasive BCIs</p>
VIII	815BME09	MEDICAL ROBOTICS	<p>The syllabus has been framed with the following unit modules</p> <p>Unit I- Introduction</p> <p>Unit II - Kinematics</p> <p>Unit III- Robot Vision</p> <p>Unit IV -Planning</p> <p>Unit V - Applications</p>
VIII	815BME10	WEARABLE SYSTEMS	<p>The syllabus has been framed with the following unit modules</p> <p>Unit I- Sensors</p> <p>Unit II -Signal Processing</p> <p>Unit III- Energy harvesting for wearable devices</p> <p>Unit IV -Wireless health systems</p> <p>Unit V - Applications of wearable systems</p>
VIII	815BME11	BIOMETRICS	<p>The following topics are included in the existing syllabus,</p> <p>Unit IV-Sources of multiple evidence-multi sensor system, Multi-algorithm system, Multi-instance system, Multi-sample system</p> <p>Unit V-Performance measures of biometric systems-AR,FRR,FTE,EER,Iris recognition, retina recognition, Voice recognition, Gait-based recognition, Limitations of biometric systems, New biometric challenges, Attacks on Biometric-based authentication systems</p>

Value Added Courses are Recommended

Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded



ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR









(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

20th Board of Studies meeting in Biomedical Engineering (UG)

Held on 27.10.2018 at 10:30 a.m.

MEMBERS PRESENT

S. No.	Name	Address	Designation	Signature
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	
2	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
3	Prof.Kumar Kandukuri	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
4	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
5	Prof.V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
6	Dr.M.Sasikala	Associate Professor Department of Electronics & Communication Engineering CEG Campus, Anna University, Chennai-600025	University Nominee	
7	Dr.S.Rajkumar	Professor & Head Department of Biomedical Engineering, Rajalakshmi Engineering College, Chennai	Member Nominated by Academic Council	
8	Dr.N.Sriraam	Professor & Head Department of Medical Electronics, M.S.Ramaiah Institute of	Member Nominated by Academic Council	

		Technology, Bangalore, Karnataka.		
9	Mr.Rodda Koteswara	HOD Biomedical Department, St.John's Medical College Hospital, Bangalore-560034	Hospital Industrial Expert	<i>R.Koteswara</i> 27/10/2018
10	Mr.Sivaraj	Senior Executive Service Karlstorz Ltd, Healthcare Sector, Bangalore-560001	Representative from Alumni	<i>T. Sivaraj</i> 27/10/18
11	Dr.S.Sujatha	Professor & Head Department of Electronics & Instrumentation Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	<i>S. Sujatha</i> 27/10/18
12	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	<i>S. Sumathi</i>

S. Sivaraj

Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (BME)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 605 119
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

DEPARTMENT OF BIOMEDICAL ENGINEERING

PHOTOGRAPH OF 20TH BOARD OF STUDIES MEETING ON 27.10.2018



ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 19th Meeting of the Board of Studies in Biomedical Engineering held on 21.04.2018 at 10:30 a.m.

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
3. Prof.Kumar Kandukuri, Member, BOS/ Biomedical Engineering
4. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
5. Prof.V.P.Krishnammal, Member, BOS/ Biomedical Engineering
6. Dr. A.Mahabub Baasha, Member, University Nominee
7. Dr.S.Poonguzhali, Member, Academic Council Nominee
8. Mr.B.S.Rajasekar, Member, Representative from Alumni
9. Dr.S.Sujatha, Member, Inter Disciplinary Expert
10. Dr.S.Sumathi, Member, Inter Disciplinary Expert

- 19.1 To consider the minutes of the Eighteenth meeting of the Board of Studies in Biomedical Engineering held on 28.10.2017.

RESOLVED that the minutes of the Eighteenth meeting of the Board of Studies in Biomedical Engineering have been considered.

- 19.2 To consider the syllabi of 7th semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2015-16.

RESOLVED that the syllabi of 7th semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2015-16 be approved (Annexure – I).

19.3 To consider the syllabi of 5th semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2016-17.

RESOLVED that the syllabi of 5th semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2016-17 be approved (Annexure-II).

19.4 To consider the syllabi of 3rd semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2017-18.

RESOLVED that the syllabi of 3rd semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2017-18 be approved (Annexure-III).

Date: 21.04.2018


21/4/18
Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

Department of Biomedical Engineering-19 th BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2017-2018			
VII	715BMT01	MEDICAL OPTICS	The syllabus has been reframed with the following unit modules <ul style="list-style-type: none"> • Optical Properties of The Tissues • Instrumentation in Photonics • Applications of Lasers • Optical Coherence Tomography • Special Optical Techniques
VII	715BMT02	DIGITAL IMAGE PROCESSING	The syllabus has been reframed with the following unit modules <ul style="list-style-type: none"> • Digital Image Fundamental and Transforms • Image Enhancement • Image Restoration and Recognition • Image Segmentation • Image Compression
VII	715BMT03	BIOMECHANICS	The existing syllabus has been entirely reframed with the following unit modules <ul style="list-style-type: none"> • Introduction to Mechanics • Biofluid Mechanics • Mechanics of Skeletal Muscle • Mechanics of Shoulder, Knee And Hip • Orthopaedic Mechanics
VII	715BMT04	PATTERN RECOGNITION & NEURAL NETWORKS	The following topics are included in the existing syllabus, <ul style="list-style-type: none"> • Application of pattern recognition • LMS learning algorithm rule-Application • MRL Training Algorithm-Translation invariant pattern recognition
VII	715BMT05	MEDICAL INFORMATICS	The existing syllabus has been entirely reframed with the following unit modules <ul style="list-style-type: none"> • Introduction to Medical Informatics • Medicine and The Internet • Computer Assisted Medical Imaging and Clinical Laboratory • Telemedicine and Technology • Computer Aids for the





			Handicapped
VII	715BME06	REHABILITATION ENGINEERING	The existing syllabus has been entirely reframed with the following unit modules <ul style="list-style-type: none"> • Introduction to Rehabilitation & Rehabilitation Team • Orthotic Devices in Rehabilitation Engineering • Therapeutic Exercise Technique • Principles in Management of Communication • Amputation and Prosthetic Devices
VII	715BME07	ICU & OPERATION THEATRE EQUIPMENTS	The following topics are included in the existing syllabus, <ul style="list-style-type: none"> • Surgical monitoring system • Medical vacuum system, Gas pipeline system, colour coding, regulators • Oxygen Concentrator, Refrigerator, Water systems in hospitals
VII	715BME08	PROFESSIONAL ETHICS AND HUMAN VALUES	The syllabus has been framed with the following unit modules <ul style="list-style-type: none"> • Human values • Engineering ethics • Engineering as social experimentation • Safety, responsibilities and rights • Global issues
VII	715BMP07	DIGITAL IMAGE PROCESSING LAB	Display of images is removed from the List of experiment Various segmentation algorithms are included. In the syllabus.
VII	715BMP08	HOSPITAL TRAINING LAB	Training to be undergone for minimum two weeks after VI semester and should produce certificates from the Hospital
VII	715BMP09	MINI PROJECT	The course is to design and development of basic prototypes leading to low cost systems applied in the field of Biomedical Engineering
Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded			





ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR*(An Autonomous Institution Affiliated to Anna University, Chennai)***DEPARTMENT OF BIOMEDICAL ENGINEERING**19th Board of Studies meeting in Biomedical Engineering (UG)

Held on 21.04.2018 at 10:30 a.m.

MEMBERS PRESENT

S. No.	Name	Address	Designation	Signature
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	
2	Prof.P.Ganesh Babu	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
3	Prof.Kumar Kandukuri	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
4	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
5	Prof.V.P.Krishnammal	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
6	Dr.A.Mahabub Baasha	Professor Department of Electronics & Instrumentation Engineering KSR College of Engineering Tiruchengode - 637 215	University Nominee	
7	Dr.S.Poonguzhali	Assocjate Professor Department of Electronics & Instrumentation Engineering College of Engineering Anna University, Chennai	Member Nominated by Academic Council	
8	Dr.R.M.G.Sumithra	Professor & Head Dept of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathy.	Member Nominated by Academic Council	AB

9	Mr.K.Mohanavelu	Scientist & Group Head, Biomedical Instrumentation, Defence Bioengineering & Electro-medical Lab DRDO,Ministry of Defence,Bangalore.	Industrial Expert	AB
10	Mr.B.S.Rajasekar	Biomedical Engineer St.John's Medical College & Hospital,Bangalore.	Representative from Alumni	B. S. Raj.
11	Dr.S.Sujatha	Professor & Head Department of Electronics & Instrumentation Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	
12	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	


Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

DEPARTMENT OF BIOMEDICAL ENGINEERING

PHOTOGRAPH OF 19TH BOARD OF STUDIES MEETING ON 21.04.2018



ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

Board of Studies in Biomedical Engineering

Minutes of the 18th Meeting of the Board of Studies in Biomedical Engineering held on 28.10.2017 at 10:00 a.m.

MEMBERS PRESENT

1. Dr.T.S.Udhaya Suriya, Chairman, BOS/ Biomedical Engineering
2. Prof.P.Ganesh Babu, Member, BOS/ Biomedical Engineering
3. Prof.Kumar Kandukuri, Member, BOS/ Biomedical Engineering
4. Prof.C.Sathish Kumar, Member, BOS/ Biomedical Engineering
5. Prof.V.Krishnammal, Member, BOS/ Biomedical Engineering
6. Dr. A.Mahabub Baasha, Member, University Nominee
7. Dr.S.Poonguzhali, Member, Academic Council Nominee
8. Dr.M.G.Sumithra, Member, Academic Council Nominee
9. Mr.K.Mohanavelu, Member, Industrial Expert
10. Dr.S.Sujatha, Member, Inter Disciplinary Expert
11. Dr.S.Sumathi, Member, Inter Disciplinary Expert

- 18.1 To consider the minutes of the seventeenth meeting of the Board of Studies in Biomedical Engineering held on 01.04.2017.

RESOLVED that the minutes of the seventeenth meeting of the Board of Studies in Biomedical Engineering have been considered.

- 18.2 To consider the syllabi of 8th semester of B.E (Biomedical Engineering) under Regulation 2011 for the batch of students admitted in 2014-15 (Annexure-I).

RESOLVED that the syllabi of 8th semester of B.E (Biomedical Engineering) under Regulation 2011 for the batch of students admitted in 2014-15 be approved (Annexure – I).

- 18.3 To consider the syllabi of 6th semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2015-16 (Annexure-II).

RESOLVED that the syllabi of 6th semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2015-16 be approved (Annexure – II).

- 18.4 To consider the syllabi of 4th semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2016-17 (Annexure-III).

RESOLVED that the syllabi of 4th semester of B.E (Biomedical Engineering) under Regulation 2015 (CBCS) for the batch of students admitted in 2016-17 be approved (Annexure-III).

- 18.5 To consider the syllabus of 815BME08- Biometrics for the 6th semester B.E- Electronics and Communication Engineering course under Regulation 2015(CBCS), for the batch of students admitted in 2015-16 (Annexure – IV).

RESOLVED that the syllabus of 815BME08- Biometrics for the 6th semester B.E- Electronics and Communication Engineering course under Regulation 2015(CBCS), for the batch of students admitted in 2015-16 (Annexure – IV).

- 18.6 To consider the syllabi of 715BMT04- Pattern Recognition & Neural Networks, 715BME05- Medical Informatics for the 6th semester B.Tech- Information Technology course under Regulation 2015(CBCS), for the batch of students admitted in 2015-16 (Annexure – V).

RESOLVED that the syllabi of 715BMT04- Pattern Recognition & Neural Networks, 715BME05- Medical Informatics for the 6th semester B.Tech- Information Technology course under Regulation 2015(CBCS), for the batch of students admitted in 2015-16 (Annexure – V).

Se
28/10/17

Date: 28.10.2017

Chairman

Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

Department of Biomedical Engineering-18 th BoS Recommendations			
Sem	Course Code	Name of the course	Remarks (New course introduced/Contents incorporated in the corresponding course)
2017-2018			
VI	615BMT01	DIAGNOSTIC EQUIPMENT	The syllabus has been framed with the following unit modules <ul style="list-style-type: none"> • Cardiac Equipment and Biotelemetry • Neurological Equipment and Patient Monitoring • Ultrasonic Technique • Respiratory Measurement System • Sensory Measurement
VI	615BMT02	THERAPEUTIC EQUIPMENT	The syllabus has been framed with the following unit modules <ul style="list-style-type: none"> • Diathermy Equipment • Cardiac Equipment • Physiotherapy and Electrotherapy Equipments • Extra Corporeal Devices • Patient Safety
VI	615BMT03	RADIOLOGICAL EQUIPMENT	The following topics are included in the existing syllabus, Various Generation scanners, 3D CT and PET-CT are included
VI	615BMT04	MEDICAL EMBEDDED SYSTEMS	The syllabus has been framed with the following unit modules <ul style="list-style-type: none"> • Introduction to Embedded Computing and ARM Processors • Computing Platform • Program Design and Analysis • Process and Operating Systems • Medical Applications
VI	615BMT05	BIOMATERIALS AND ARTIFICIAL ORGANS	The following topics are included in the existing syllabus, Case Study-Blood Coagulation, Bone Coagulation, Synthesis, Characterization, Animal Testing
VI	615BME06	MEDICAL SAFETY AND QUALITY ASSURANCE	The following topics are included in the existing syllabus, Safety Codes, Standards and Regulations: Case study- Bio waste management safety aspects, Implantable devices, safety

			hazards
VI	615BME07	BIO SIGNAL PROCESSING	<p>The existing syllabus has been entirely reframed with the following unit modules</p> <ul style="list-style-type: none"> • Introduction to Biomedical Signals • Adaptive Filters • Signal Averaging and Realization • Cardiological Signal Processing • Neuro Muscular Signal Processing
VI	615BME09	PHYSIOLOGICAL MODELLING	<p>The existing syllabus has been entirely reframed with the following unit modules</p> <ul style="list-style-type: none"> • Properties of Systems and Electrical Analog • Transfer Functions • Impedance Concept • Feedback Systems • Simulation of Biological Systems
VI	615BMP08	DIAGNOSTIC AND THERAPEUTIC LAB	Analysis of EMG signals is included in the List of experiment
VI	615BMP09	EMPLOYABILITY SKILLS LAB	Newly introduced for better placement activities
VI	615BMP10	SEMINAR / PRESENTATION	Students will undergo paper presentation in inter college events or other technical activities and should produce certificates from the host institutes
Feedback obtained about Curriculum and Syllabus from Stakeholders (Faculty, Student, Alumni, Employers) were also discussed and concluded			


 Chairman, Board of Studies
 Faculty of Bio Medical Engineering (UG)
 Adhiyamaan College of Engineering (Autonomous)
 Chennai - 605 109
 Krishnagiri (DU), Tamil Nadu.

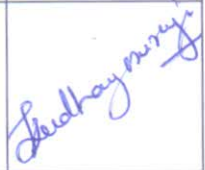




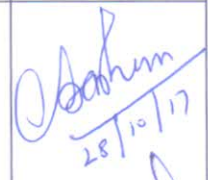

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR





(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF BIOMEDICAL ENGINEERING

18th Board of Studies meeting in
Biomedical Engineering (UG)
Held on 28.10.2017 at 10:00 a.m.

MEMBERS PRESENT

S. No.	Name	Address	Designation	Signature
1	Dr.T.S.Udhaya Suriya	Prof & Head, Department of BME, Adhiyamaan College of Engg. Hosur	Chairman	
2	Prof.P.Ganesh Babu	Associate Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
3	Prof.Kumar Kandukuri	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
4	Prof.C.Sathish Kumar	Assistant Professor, Department of BME, Adhiyamaan college of Engg. Hosur	Member	
5	Prof.V.Krishnammal	Assistant Professor, Department of BME, Adhiyamaan College of Engg. Hosur	Member	
6	Dr.A.Mahabub Baasha	Professor Department of Electronics & Instrumentation Engineering KSR College of Engineering Tiruchengode – 637 215	University Nominee	 28/10/17
7	Dr.S.Poonguzhali	Associate Professor Department of Electronics & Instrumentation Engineering College of Engineering	Member Nominated by Academic Council	

		Anna University, Chennai		
8	Dr. R.M.G.Sumithra	Professor Dept of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathy.	Member Nominated by Academic Council	
9	Mr.K.Mohanavelu	Scientist & Group Head, Biomedical Instrumentation, Defence Bioengineering & Electro-medical Lab DRDO,Ministry of Defence,Bangalore.	Industrial Expert	
10	Mr.B.S.Rajasekar	Biomedical Engineer St.John's Medical College & Hospital,Bangalore.	Representative from Alumni	AB
11	Dr.S.Sujatha	Professor & Head Department of Electronics & Instrumentation Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	
12	Dr.S.Sumathi	Professor & Head Department of Electronics & Communication Engineering Adhiyamaan College of Engineering Hosur.	Inter Disciplinary Expert	



Chairman
Chairman, Board of Studies
Faculty of Bio Medical Engineering (UG)
Adhiyamaan College of Engineering (Autonomous)
Hosur - 635 109
Krishnagiri (Dt), Tamil Nadu.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS), HOSUR

DEPARTMENT OF BIOMEDICAL ENGINEERING

PHOTOGRAPH OF 18TH BOARD OF STUDIES MEETING ON 28.10.2017

