

NANDHA ENGINEERING COLLEGE, ERODE

(Autonomous)

DEPARTMENT OF BIOMEDICAL ENGINEERING

NEC/Cir/BOS-4/2021(02)

DATE: 5.07.2021

CIRCULAR

Originator: BoS chairman (HoD- Biomedical Engineering)

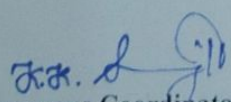
Circulated to: All faculty members.

Sub: Board of Studies Meeting

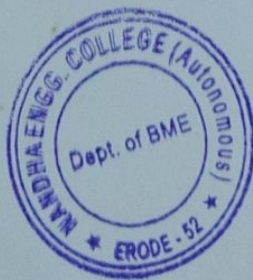
The 4th Board of Study meeting has been scheduled on 10.07.2021 (Saturday). In this connection, the BoS members of the Biomedical Engineering program are requested to attend the meeting and provide their valuable suggestions.

Date & Time of Meeting: 10.07.2021 (10.00 AM) - Saturday

Mode: Online Mode


Autonomous Coordinator

(R.K. SANABETHA)




BoS Chairman

(Dr. S.T. SANABETHA)

NANDHA ENGINEERING COLLEGE, ERODE – 638 052

(An Autonomous Institution, Affiliated to Anna University Chennai and

Approved by AICTE New Delhi)

Agenda for 4th BOARD OF STUDIES MEETING

Name of the Body	Board of Studies
Name of the Board	Biomedical Engineering
Meeting No	04
Date & Time	10.07.2021, 10.00 am
Venue	Online mode (Google Meet)



NANDHA ENGINEERING COLLEGE
(Autonomous Institution)
Pitchandampalayam, Erode To Perundurai Road, Erode-638 052

BOARD OF STUDIES

Academic Year: 2021-22

Board	Bio Medical Engineering	Meeting No.	4	R2017
Venue	Online mode (Google Meet)	Date & Time	10.07.2021, 10.00 AM	

MEMBERS ATTENDED


Sl.No	Members	Representation
1	Dr .B.Banu Rekha Professor, Department of Bio Medical Engineering, PSG College of Technology, Coimbatore- 641004. Contact No. 9942342725 Email: bbr.bme@psgtech.ac.in	University Nominee
2	Dr. Judith Justin Professor & Head, Department of Biomedical Instrumentation Engineering, Avinashilingam Institute for Home Science and Higher Education for Women, Varapalaya, Thadagam, Coimbatore – 641108. Contact No.9843830812 Email: hodbmie@gmail.com	Expert Nominee (Nominated by Academic Council)
3	Dr. S.Vivekanandan Associate Professor & Head School of Electronics & Instrumentation Engineering VIT University, Vellore – 632014. Contact No.8124274447 Email: svivekanandan@vit.ac.in	Expert Nominee (Nominated by Academic Council)
4	Mr. K.Bala Subramaniyan, Sam Enterprises, No. 11, Venkataswamy Layout, Sidhapudur, Coimbatore – 641044. Contact No.9842212034 Email: bala@samenterprises.co.in	Member (Expert from Industry)
5	Mr.M.Karthikeyan, Component Engineer, SnapEDA Inc, USA. 31/1, 1 st Street, Gokulam Colony, Pn. Pudur,Coimbatore – 641041. Contact No. 9500863695 Email: karthik@snapeda.com	Alumini



NANDHA ENGINEERING COLLEGE
(Autonomous Institution)
Pitchandampalayam, Erode To Perundurai Road, Erode-638 052

BOARD OF STUDIES

6	Dr. S.T.Sadish Kumar, Professor / BME	Chairman
7	Mr. R.M. Ganesh	Member
8	K.K.Sangeetha	Member


(BOS / Chairman)



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BOARD OF STUDIES

Academic Year: 2021-22

Board	Bio Medical Engineering	Meeting No.	4	R2017
Venue	Online mode (Google Meet)	Date & Time	10.07.2021, 10.00 AM	

MEMBERS ATTENDED

Sl.No	Members	Representation
1	Dr .B.Banu Rekha Professor, Department of Bio Medical Engineering, PSG College of Technology, Coimbatore- 641004. Contact No. 9942342725 Email: bbr.bme@psgtech.ac.in	University Nominee
2	Dr. Judith Justin Professor & Head, Department of Biomedical Instrumentation Engineering, Avinashilingam Institute for Home Science and Higher Education for Women, Varapalaya, Thadagam, Coimbatore – 641108. Contact No.9843830812 Email: hodbmie@gmail.com	Expert Nominee (Nominated by Academic Council)
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4	Mr. K.Bala Subramaniyan, Sam Enterprises, No. 11, Venkataswamy Layout, Sidhapudur, Coimbatore – 641044. Contact No.9842212034 Email: bala@samenterprises.co.in	Member (Expert from Industry)
5	Mr.M.Karthikeyan, Component Engineer, SnapEDA Inc, USA. 31/1, 1 st Street, Gokulam Colony, Pn. Pudur,Coimbatore – 641041. Contact No. 9500863695 Email: karthik@snapeda.com	Alumini



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BOARD OF STUDIES

6	Dr. S.T.Sadish Kumar, Professor / BME	Chairman
7	Mr. R.M. Ganesh	Member
8	K.K.Sangeetha	Member

[Handwritten Signature]
5/12/21
(BoS (Chairman))



NANDHA ENGINEERING COLLEGE (Autonomous)

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Pitchandampalayam, (P.O), Vaikkalmedu, Erode - Perundurai Road, Erode - 638 052

Phone : 04294-225585, 223711, 223722, 226393 Mobile : 73737 23722 Fax : 04294 - 224787

Website : www.nandhaengg.org

E.mail : info@nandhaengg.org

Dr.N.Rengarajan, B.Sc., B.Tech., M.E., Ph.D.,
PRINCIPAL

NEC/Cir/2020-21/001

Date: 06.07.2021

To

Mr.M.Karthikean,
Component Engineer,
SnapEDA Inc, USA.
31/1, 1st Street, Gokulam Colony,
Pn. Pudur, Coimbatore – 641041.
Contact No. 9500863695
Email: karthik@snapeda.com

Dear Sir,

Sub : BME - Board of Studies meeting intimation – Reg

Greetings from Nandha Engineering College (Autonomous), Erode

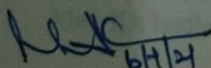
It is proposed to conduct 4th Board of studies meeting for Department of Biomedical Engineering on 10th July 2021 through online. We pleased to invite you for the meeting through Google meet at 10.00 am. Kindly make it convenient to attend the meeting and offer your valuable inputs.

Google Meet Link: meet.google.com/jed-hvvh-tvk

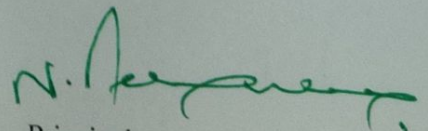
Contact :

Dr.S.T.Sadish Kumar,
Head / Department of Biomedical Engineering,
Mobile : 9080079971, 9942903173
Mail ID: hodbme@nandhaengg.org

Thanking You,


6/7/21
HOD/BME




Principal

Dr.N.Rengarajan, B.Sc., B.Tech., M.E., Ph.D.,
PRINCIPAL
NANDHA ENGINEERING COLLEGE
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ERODE - 638 052.



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Website : www.nandhaengg.org E.mail : info@nandhaengg.org

Dr.N.Rengarajan, B.Sc., B.Tech., M.E., Ph.D.,
PRINCIPAL

NEC/Cir/2021-22/001
Date: 06.07.2021

To

Dr .B.Banu Rekha
Professor,
Department of Bio Medical Engineering,
PSG College of Technology, Coimbatore- 641004.
Contact No. 9942342725
Email: bbr.bme@psgtech.ac.in

Dear Madam,

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Contact :

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Mail ID: hodbme@nandhaengg.org

Thanking You,

Handwritten signature
6/7/21
HOD/BME



Handwritten signature
Principal

**Dr.N.Rengarajan, B.Sc., B.Tech., M.E., Ph.D.,
PRINCIPAL
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Dr.N.Rengarajan, B.Sc., B.Tech., M.E., Ph.D.,
PRINCIPAL

NEC/Cir/2021-22/001

Date: 06.07.2021

To

Dr. Judith Justin
Professor & Head,
Department of Biomedical Instrumentation Engineering,
Avinashilingam Institute for Home Science and Higher Education for Women,
Varapalaya, Thadagam,
Coimbatore – 641108.
Contact No.9843830812
Email: hodbmie@gmail.com

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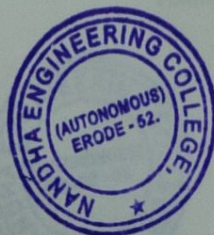
Contact :

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Mobile : 9080079971, 9942903173
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Thanking You,

Principal

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6/7/21
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**Dr.N.Rengarajan, B.Sc., B.Tech., M.E., Ph.D.,
PRINCIPAL**

NEC/Cir/2020-21/001

Date: 06.07.2021.

To

Dr. S.Vivekanandan
Associate Professor & Head
School of Electronics & Instrumentation Engineering
VIT University, Vellore – 632014.
Contact No.8124274447
Email: svivekanandan@vit.ac.in

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Head / Department of Biomedical Engineering,
Mobile : 9080079971, 9942903173
Mail ID: hodbme@nandhaengg.org

Thanking You,

Handwritten signature
6/7/21
HOD/BME



Handwritten signature of Dr. N. Rengarajan

Principal
Dr.N.Rengarajan, B.Sc., B.Tech., M.E., Ph.D.,
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PRINCIPAL**

NEC/Cir/2020-21/001

Date: 06.07.2021.

To

Mr. K.Bala Subramaniyan,
Sam Enterprises,
No. 11, Venkataswamy Layout,
Sidhapudur, Coimbatore – 641044.
Contact No.9842212034
Email:balasubramaniyan.kasthuri@gmail.com

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Contact :

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Thanking You,

Handwritten signature
6/7/21
Head/BME



Handwritten signature of Dr. N. Rengarajan
Principal

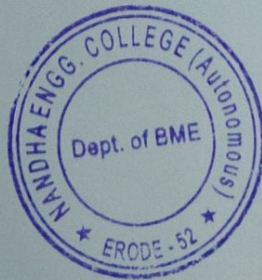
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DEPARTMENT OF BIOMEDICAL ENGINEERING

AGENDA	
Item 4.01	To note and approve the minutes of 3 rd BoS meeting and Action Taken Report, Biomedical Engineering Department which was held on 05.09.2020 (Online mode)
Item 4.02	To approve the syllabus for 7 th and 8 th semester for B.E., Biomedical Engineering for the batch of students admitted in the year of 2018-19 onwards
Item 4.03	Approval of New Open Elective (OE) Courses 1. 17BMZ01 - Healthcare Technology 2. 17BMZ02 - Telemedicine 3. 17BMZ03 - Epidemiology and Pandemic Management 4. 17BMZ04 - Wearable Systems in Health Care Offered by Department of Biomedical Engineering.
Item 4.04	To approve the following, under Regulation R17 for B.E., Biomedical Engineering for the batch of students who are admitted in the year of 2018-19 onwards. 1. Elective IV in 6 th semester and Elective VI in 7 th semester as PSE/OE - As per Clause 5.6 Elective Courses in Academic regulation-UG 2017 (R17) 2. Ratification of PSE courses in Electives 17GEA04 - Professional Ethics and Human Values and 17GEA03 - Total Quality Management courses
Item 4.05	To ratify and approve the following One Credit Course 1. Ratification of 17ECI06 Artificial Intelligence in Health Care 2. Approval of 3D Studio Max 3. Approval of Medical Coding
Item 4.06	Any other matter



Chairman / BOS
(Dr. S.T. SADWIKOMAR)

NANDHA ENGINEERING COLLEGE, ERODE – 638 052

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MINUTES OF THE 4th BOARD OF STUDIES MEETING

Name of the Body	Board of Studies
Name of the Board	Biomedical Engineering
Meeting No.	04
Date & Time	10.07.2021, 10.00 am
Venue	Online mode – Google meet

NANDHA ENGINEERING COLLEGE, ERODE – 638 052

(An Autonomous Institution, Affiliated to Anna University Chennai and
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Minutes of 4th Board of Studies Meeting (BoS) held on 10.07.2021

The 4th Board of Studies (BoS) meeting was held on 10.07.2021 by 10.00 am through online mode, Nandha Engineering College, Erode - 52. The members attended the meeting are given in **Annexure I**.

The Chairman of the BoS, Dr.S.T.Sadish Kumar, HoD / Biomedical Engineering welcomed the members for the meeting. Then, the items listed below were taken for discussion.

BoS-4 Board: Biomedical Engineering	Date:10.07.2021 Mode of meeting: Online
AGENDA	
<ul style="list-style-type: none">• Welcome• Introduction of External & Internal Members	
Item 4.01	To note and approve the minutes of 3 rd BoS meeting and Action Taken Report, Biomedical Engineering Department which was held on 05.09.2020 (Online mode)
Item 4.02	To approve the syllabus for 7 th and 8 th semester for B.E., Biomedical Engineering for the batch of students admitted in the year of 2018-19 onwards
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Item 4.06	Any other matter

The proceedings of BoS started and the minutes of the meeting are recorded as follows:

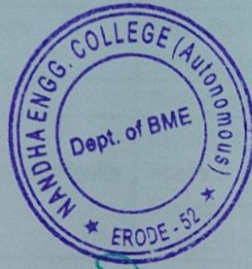
Item 4.01	Review of Action Taken Report on 3rd BoS meeting
Resolution	Reviewed and approved the Action taken Report of 3 rd BoS meeting.
Item 4.02	Approval of the syllabus for 7th and 8th semester for B.E., Biomedical Engineering for the batch of students admitted in the year of 2018-19 onwards

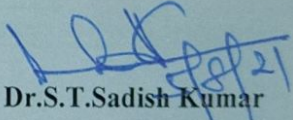
Discussion	Dr.Judith Justin: Suggested to change the "17BMC08-Radiological Equipment" course name as "Medical Imaging Techniques".	Changed as "17BMC08-Medical Imaging Techniques"
	Mr. K.Bala Subramaniyan: suggested to include Ultrasound and its techniques in "17BMC08-Radiological Equipment".	Included in Unit IV as 'Ultrasonic Imaging System'.
	Mr. K.Bala Subramaniyan: suggested to include X-ray based equipment's in "17BMC08-Radiological Equipment"	Incorporated
	Dr.Judith Justin: Suggested to include Digital radiography and Digital Subtraction Angiography topics in "17BMC08-Radiological Equipment".	Included in Unit I and Unit III in the "17BMC08-Medical Imaging Techniques" syllabus.
	Dr.B.Banu Rekha: Suggested to change text book for "17BMC09-Rehabilitation Engineering".	Incorporated
	Dr. S.Vivekanandan: Suggested to include Orthopedic prosthetics and orthotics in "17BMC09-Rehabilitation Engineering".	Included in Unit IV
	Dr.Judith Justin: Suggested to include Wheel Chair Engineering in "17BMC09-Rehabilitation Engineering".	Included as Wheel Chair Engineering in Unit II.
	Dr.B.Banu Rekha: Suggested to change Unit III for "17BMC09-Rehabilitation Engineering".	Incorporated
	Mr.M.Karthikeyan: Suggested to include recent versions in text book and reference book.	Incorporated
	Dr.Judith Justin: Suggested to mention list of equipment in "17BMP06-Hospital Training" and also members suggested to rename this as "Hospital Internship".	Incorporated
Item 4.03	Approval of New Open Elective (OE) Courses 17BMZ01 - Healthcare Technology 17BMZ02 - Telemedicine 17BMZ03 - Epidemiology and Pandemic Management 17BMZ04 -Wearable Systems in Health Care Offered by Department of Biomedical Engineering.	
Discussion	Dr.Judith Justin: Suggested to change few topics in "17BMZ01 - Healthcare Technology" syllabus.	Incorporated
	Dr.B.Banu Rekha: Suggested to change "17BMZO4-Wearable Systems in Health Care" syllabus.	Changed as "17BMZO4-Medical Ethics"
	Dr. S.Vivekanandan: Suggested to include Medical Ethics as open elective and Medical Ethics with standards as PSE.	Incorporated
	Dr.Judith Justin: Suggested to change course objective and outcome for "17BMD01-Project Phase-I and "17BMD02- Project Phase-II".	Incorporated

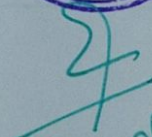
	Dr. S.Vivekanandan: Suggested to change the project description for both "17BMD01-Project Phase-I" and "17BMD02- Project Phase-II".	Incorporated
	Dr.B.Banu Rekha: Suggested to include concept of Software as a Medical Device (SaMD) in the PSE course "17BMX13- Medical Ethics and Standards".	Included in Unit III.
Item 4.04	<p>To approve the following, under Regulation R17 for B.E., Biomedical Engineering for the batch of students who are admitted in the year of 2018-19 onwards.</p> <ol style="list-style-type: none"> 1. Elective IV in 6th semester and Elective VI in 7th semester as PSE/OE - As per Clause 5.6 Elective Courses in Academic regulation-UG 2017 (R17) 2. Ratification of PSE courses in Electives 17GEA04 - Professional Ethics and Human Values and 17GEA03 - Total Quality Management courses 	
Discussion	Approved by all the BOS members.	
Item 4.05	<p>To ratify and approve the following One Credit Course</p> <ol style="list-style-type: none"> 1. Ratification of 17ECI06 Artificial Intelligence in Health Care 2. Approval +of 3D Studio Max 3. Approval of Medical Coding 	
Discussion	Approved Dr.B.Banu Rekha: Suggested to change the name of 3D Studio Max.	Changed as 3D Design and Modeling Tools
Item 4.06	Any other matter	
Discussion	Members suggested that 2 Credits may be given for Open Elective Courses.	

The Chairman thanked all the members for their active participation.

Date: 05.08.2021.




Dr.S.T.Sadish Kumar
(Chairman, BoS / BME)


12/8/2021



HOD BME <hodbme@nandhaengg.org>

Nandha Engineering - Request to Approve syllabus - corrections done as per the Board suggested on 10.07.2021 - Reg

8 messages

Tue, Jul 20, 2021 at 8:28 PM

HOD BME <hodbme@nandhaengg.org>

To: Vivekanandan S <svivekanandan@vit.ac.in>, bbr.bme@psgtech.ac.in, hodbmie@gmail.com, Balasubramaniyan K <balasubramaniyan@samenterprises.co.in>, karthik@snapeda.com

Cc: SANGEETHA KARUNAKARAN <sangeetha.karunakaran@nandhaengg.org>

Good Evening to all BoS Members,

In continuation with the suggestions given by the Board during the BoS meeting held on 10.07.2021,

We have incorporated the following in our course:

Title	Changes done
17BMC08_Medical Imaging Techniques Core Paper (Previously named as Radiological Equipments)	Title has been changed X ray, Ultrasound, MRI are included
17BMC09_Rehabilitation Engineering_Core paper	Included: Wheel chair engineering. Sensory rehabilitation Motor rehabilitation
PSE_17BMX13_Medical ethics and standards	New PSE introduced Requesting your approval
OE_17BBZ01_Health care Technology	Revamped the entire syllabus as Board suggested
OE_17BMZ04_Medical Ethics (Previously named as - Wearable Systems in Health Care)	Included: Medical Ethics Standards Ethics in Hospital safety

The syllabus for the above are attached.

Once the above are approved, the MoM will be prepared and submitted to the Board for approval.

Once again i thank the board for your valuable suggestions to fine tune our Curriculum and syllabi, even you all in your regular academic/personal preoccupations

With thanks and regards,

HoD/BME


5 attachments

17BMC08_Medical Imaging Techniques_Core.doc
48K

OE_17BMZ04_Medical Ethics.doc
50K

PSE_17BMX13_Medical ethics and standards.doc
53K

17BMC09_Rehabilitation Engineering_Core.doc
49K

 OE_17BBZ01_Health care technology.doc
50K

Balasubramaniyan K <balasubramaniyan@samenterprises.co.in>
To: HOD BME <hodbme@nandhaengg.org>

Tue, Jul 20, 2021 at 10:41 PM

Dear Sir

I hereby approve the changes incorporated.

Balasubramaniyan K
Managing Partner
Sam Enterprises, Coimbatore.
Mobile : +919842212034

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<17BMC08_Medical Imaging Techniques_Core.doc><OE_17BMZ04_Medical Ethics.doc>
<PSE_17BMX13_Medical ethics and standards.doc><17BMC09_Rehabilitation Engineering_Core.doc>
<OE_17BBZ01_Health care technology.doc>

Vivekanandan S <svivekanandan@vit.ac.in>
To: HOD BME <hodbme@nandhaengg.org>
Cc: SANGEETHA KARUNAKARAN <sangeetha.karunakaran@nandhaengg.org>

Wed, Jul 21, 2021 at 9:48 AM

Hello sir

It is approved from my end. Do you need any signature in the syllabus?

Regards

Dr. S. Vivekanandan
 Assistant Dean - Academic Research
Associate Prof. - Dept. Of Instrumentation, SELECT
Faculty Advisor - ISA VIT Student Section
VIT Vellore - 632014, Tamil Nadu, India
Mobile: +91-8124274447
E-Mail: ad1.ar@vit.ac.in, vivekshanaras@gmail.com

From: HOD BME <hodbme@nandhaengg.org>
Sent: Tuesday, July 20, 2021 8:28:40 PM
To: Vivekanandan S; bbr.bme@psgtech.ac.in; hodbmie@gmail.com; Balasubramaniyan K;
karthik@snapeda.com
Cc: SANGEETHA KARUNAKARAN
Subject: Nandha Engineering - Request to Approve syllabus - corrections done as per the Board suggested on
10.07.2021 - Reg

[Quoted text hidden]

HOD BME <hodbme@nandhaengg.org>

Wed, Jul 21, 2021 at 10:19 AM



NANDHA ENGINEERING COLLEGE
(Autonomous Institution)
Pitchandampalayam, Erode To Perundurai Road, Erode-638 052

BOARD OF STUDIES

Academic Year: 2021-22

Board	Biomedical Engineering	Meeting No.	4	R2017
Venue	Google Meet	Date & Time	10.07.2021 & 10.00 a.m	

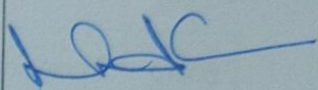
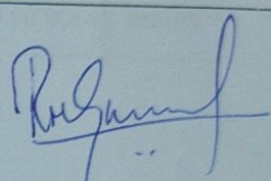
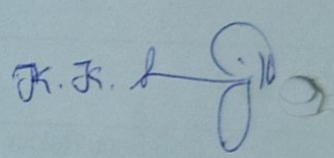
MEMBERS ATTENDED

No	Members	Representation	Signature
1	Dr.B.Banu Rekha, Professor, Dept. of Biomedical Engineering, PSG College of Technology, Coimbatore. Ph:9942342725 Email:bbr.bme@psgtech.ac.in.	University Nominee	Online Mode
2	Dr.Judith Justin, Professor & Head, Dept. of Biomedical Instrumentation Engineering, Avinashilingam Institute for Home science and higher Education foe Women, Coimbatore.Email:hodbmie@gmail.com Mobile No:9843830812	Expert Nominee (Nominated by Academic Council)	Online Mode
3	Dr.S.Vivekanandan, Associate Professor & Head, School of Electronics & Instrumentation Engineering, VIT University, Vellore-632014. Email:svivekanandan@vit.ac.in Mobile No:8124274447	Expert Nominee (Nominated by Academic Council)	Online Mode
4	Mr.K.Bala Subramaniam, Sam Enterprises, No.11, Venkataswamy Layout, Sidhapudur, Coimbatore-641044. Email:balasubramaniam.kasthuri@gmail.com Ph:9842212034	Member (Expert from Industry)	Online Mode
5	Mr.M.Karthikeyan, Component engineer, SnapEDA Inc, USA. 31/1, 1 st Street, Gokulam Colony, pn.Pudur, Coimbatore-641041 Email:karthik@snapeda.com Ph:9500863695	Alumini	Online Mode



NANDHA ENGINEERING COLLEGE
(Autonomous Institution)
Pitchandampalayam, Erode To Perundurai Road, Erode-638 052

BOARD OF STUDIES

6	Dr. S.T.Sadish Kumar HOD / BME	Chairman	
7	Mr.R.M.Ganesh, ASP / BME	Member	
8	Ms.K.K.Sangeetha, AP / BME	Member	

2/6/24, 3:45 PM

Nandha Engineering College Email Mail - Nandha Engineering - Request to Approve syllabus - corrections done as per the Bo...

To: Vivekanandan S <svivekanandan@vit.ac.in>

Thanks for your mail sir. Since online meeting, Mail approval copy will be documented. Signature are not required
Dr.Vivek. I will send MoM on Friday
Thanks & Regards
SADISHKUMAR
[Quoted text hidden]

Wed, Jul 21, 2021 at 11:52 AM

judith justin <hodbmie@gmail.com>

To: HOD BME <hodbme@nandhaengg.org>

Respected sir,
As per the suggestions given during the BoS held on 10.7.2021, you have revised the syllabus contents. The syllabus of 17BMC08 Medical Imaging Techniques (Core), 17BMZ04 Medical Ethics (OE), 17BMX13 Medical Ethics and standards (PSE), 17BMC09 Rehabilitation Engineering(Core) and 17BBZ01 Health care Technology (OE) are approved.

With regards,

Dr.Judith Justin

Prof.& Head, Dept. of Biomedical Instrumentation Engineering,

School of Engineering,

Avinashilingam Institute for Home Science and Higher Education for Women,

Varapalayam,

Coimbatore-641108

[Quoted text hidden]

Dr Banu Rekha B - PSGCT <bbr.bme@psgtech.ac.in>

To: HOD BME <hodbme@nandhaengg.org>


Wed, Jul 21, 2021 at 4:04 PM

Dear Sir, Thank you for your mail. The courses are fine. A suggestion from me:

To add the concept of Software as a Medical Device (SaMD) in the PSE course Ethics and standards, if feasible.

Pls find attached the claim form duly signed.

[Quoted text hidden]

 Claim Form for BOS -Dr.BANU REKHA(1).pdf
112K

HOD BME <hodbme@nandhaengg.org>

To: Dr Banu Rekha B - PSGCT <bbr.bme@psgtech.ac.in>

Wed, Jul 21, 2021 at 5:55 PM

Madam., Your suggestions will be incorporated in the concern course. Thanks for your guidance and support.


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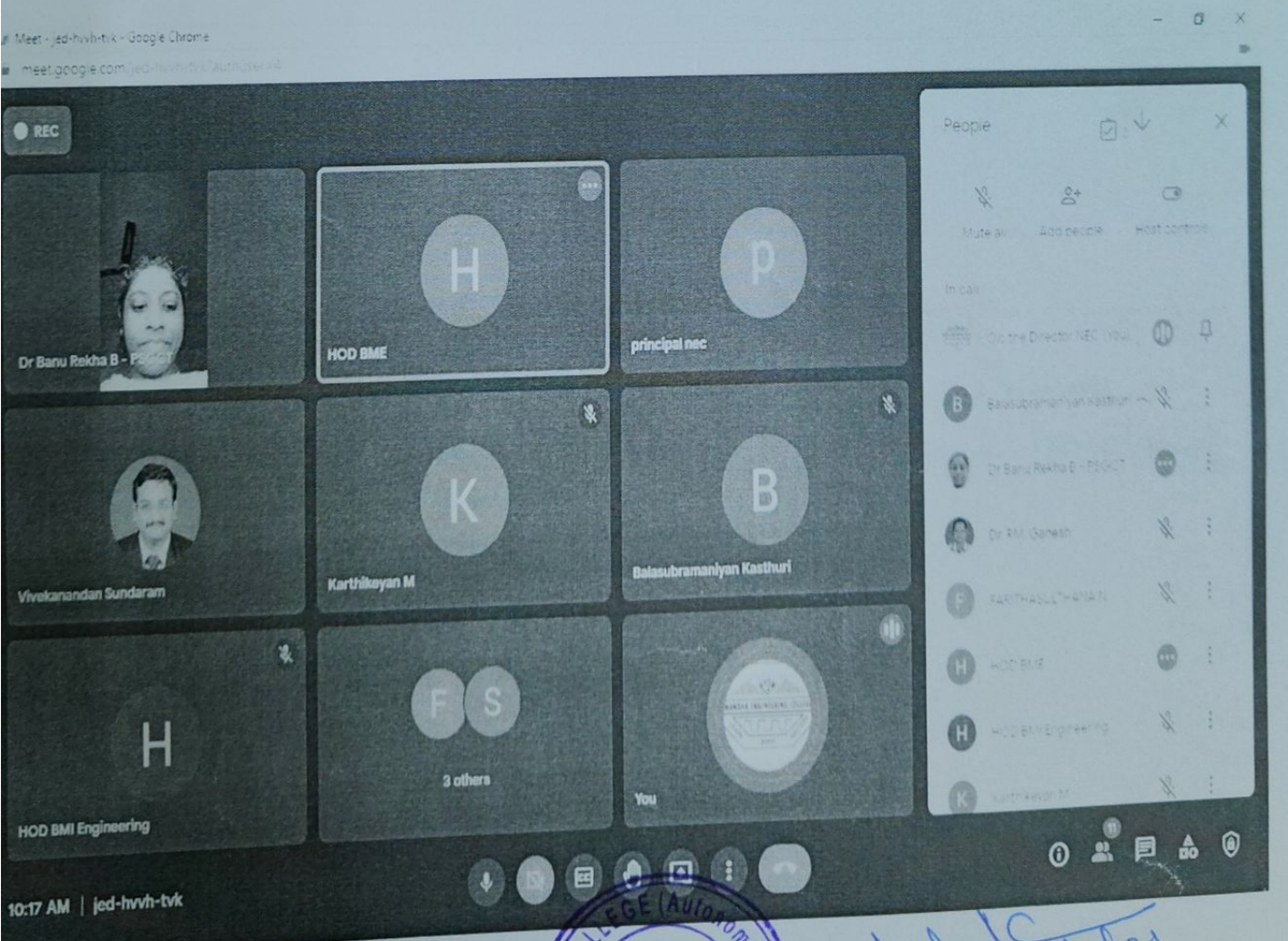
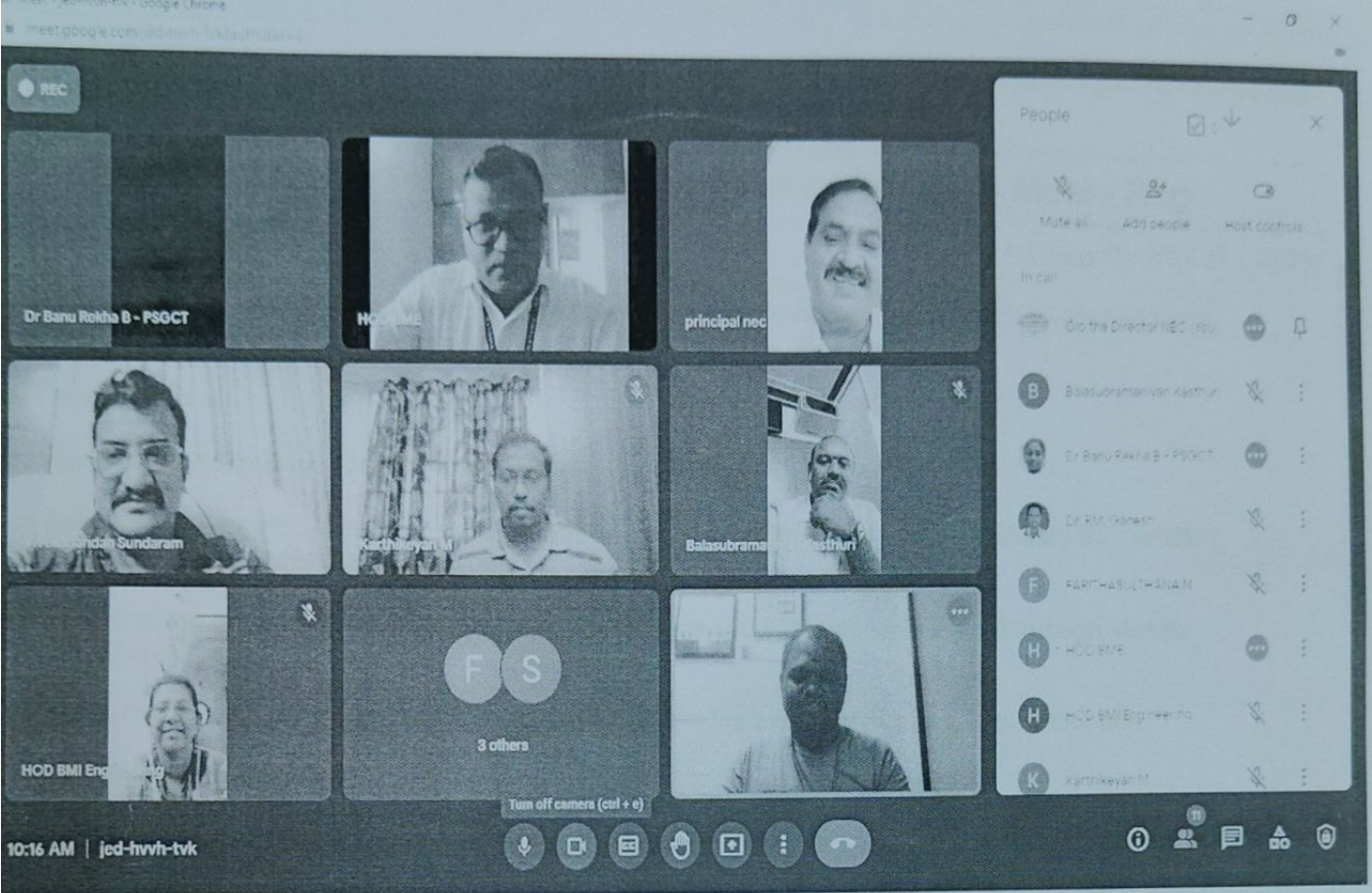
HOD BME <hodbme@nandhaengg.org>

To: SANGEETHA KARUNAKARAN <sangeetha.karunakaran@nandhaengg.org>

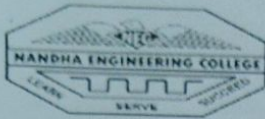
Mon, Aug 9, 2021 at 12:22 PM

[Quoted text hidden]

 Claim Form for BOS -Dr.BANU REKHA(1).pdf
112K



Handwritten signature and text:
 Dr. S.T. SANKARANARAYANAN
 BoE / CHAIRMAN.



HOD BME <hodbme@nandhaengg.org>

NEC / Biomedical Engg. Dept - Requesting Consent for BoS- MoM - Reg.

HOD BME <hodbme@nandhaengg.org>

Fri, Aug 13, 2021 at 1:44 PM

To: Dr Banu Rekha B - PSGCT <bbr.bme@psgtech.ac.in>, Balasubramaniyan K <balasubramaniyan@samenteprises.co.in>, karthik@snapeda.com, hodbmie@gmail.com, Vivekanandan S <svivekanandan@vit.ac.in>

Good Afternoon to all ,

Greetings from Nandha Engg, Dept. of BME, Hope all are safe and well.

In continuation with the BoS meeting held on 10.07.2021, all the suggestions are incorporated and hereby i enclosed the Minutes of Meeting for your perusal.

I am requesting the Board members to provide an acceptance and approval for the MoM through Mail for documentation purposes.


Once again, thanks a lot for the guidance given to enrich us in the aspect of curriculum development.


Encl:

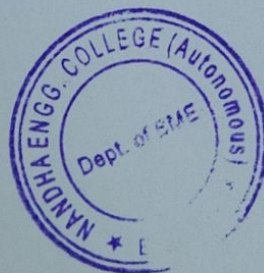
1. Minutes of Meeting - 4th BoS
2. Updated Curriculum with corrections highlighted

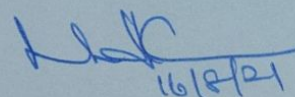
Regards,
Dr. S.T.SadishKumar,
HoD/BME

2 attachments

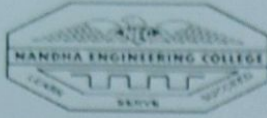
 4th Bos MOM 08-12-2021-12.08(1).pdf
933K

 Edited 4th BOS curri and syllabus (1).doc
821K




16/8/21

Dr. S.T. SADISH KUMAR
(Chairman / BME / BoS)



HOD BME <hodbme@nandhaengg.org>

NEC / Biomedical Engg. Dept - Requesting Consent for BoS- MoM - Reg.

Dr Banu Rekha B - PSGCT <bbr.bme@psgtech.ac.in>
To: HOD BME <hodbme@nandhaengg.org>

Sat, Aug 14, 2021 at 2:30 AM

Dear Sir,

I hereby acknowledge and accept the modifications and updations as mentioned in the documents.

[Quoted text hidden]

--

Thanks & Regards,

Dr. B. Banu Rekha

Associate Professor | Biomedical Engg.
PSG College of Technology, Coimbatore



[Handwritten Signature]
Dr. P.T. Sadik Ramesh
Chairman / BME / BoS.



HOD BME <hodbme@nandhaengg.org>

NEC / Biomedical Engg. Dept - Requesting Consent for BoS- MoM - Reg.

judith justin <hodbmie@gmail.com>
To: HOD BME <hodbme@nandhaengg.org>

Sat, Aug 14, 2021 at 11:49 PM

Sir,

Based on the suggestions provided in the 4th BoS meeting, the changes have been implemented. The minutes of the meeting is hence approved. The updated curriculum is also approved.

Best regards,

Dr. Judith Justin

Professor and Head,

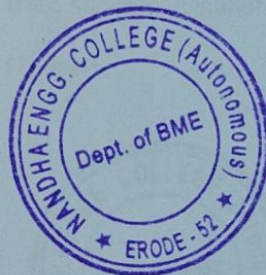
Dept. of Biomedical Instrumentation Engineering,

School of Engineering,

Avinashilingam Institute for Home Science and Higher Education for Women,

Coimbatore-641108

[Quoted text hidden]



[Handwritten Signature]
Dr. S. T. Sathish Kumar
Chairman / BME / BoS



HOD BME <hodbme@nandhaengg.org>

NEC / Biomedical Engg. Dept - Requesting Consent for BoS- MoM - Reg.

Balasubramaniyan K <balasubramaniyan@samenteerprises.co.in>

Sun, Aug 15, 2021 at 10:58 PM

To: HOD BME <hodbme@nandhaengg.org>

Cc: Dr Banu Rekha B - PSGCT <bbr.bme@psgtech.ac.in>, karthik@snapeda.com, hodbmie@gmail.com, Vivekanandan S <svivekanandan@vit.ac.in>

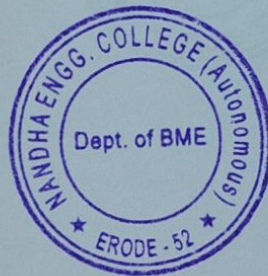
Dear Dr. Sadhish

I approve the changes incorporated in the syllabus as discussed in the Board .

Balasubramaniyan K
Managing Partner
Sam Enterprises, Coimbatore.
Mobile : +919842212034

On 13-Aug-2021, at 1:44 PM, HOD BME <hodbme@nandhaengg.org> wrote:

<Edited 4th BOS curri and syllabus (1).doc>



[Handwritten Signature]
Dr. S.T. Sathish Kumar
Chairman / BME / Bar



HOD BME <hodbme@nandhaengg.org>

NEC / Biomedical Engg. Dept - Requesting Consent for BoS- MoM - Reg.

Mon, Aug 16, 2021 at 12:12 PM

Karthik M <karthik@snapeda.com>

To: HOD BME <hodbme@nandhaengg.org>

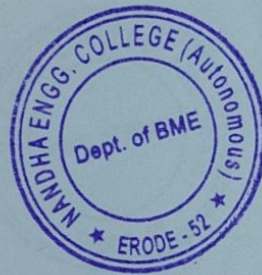
Cc: Dr Banu Rekha B - PSGCT <bbr.bme@psgtech.ac.in>, Balasubramaniyan K <balasubramaniyan@samenterprises.co.in>, hodbmie@gmail.com, Vivekanandan S <svivekanandan@vit.ac.in>

Hello Sir,

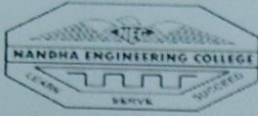
The updated syllabus looks good. Thanks for incorporating all the valuable suggestions provided by the Board members.

Thanks,
Karthik

—
Karthikeyan M CAD QA Manager
SnapEDA
San Francisco, CA 94107
1-844-625-8890



[Handwritten Signature]
Dr. S. T. Sathish Kumar
Chairman / BoS / BoE.



HOD BME <hodbme@nandhaengg.org>

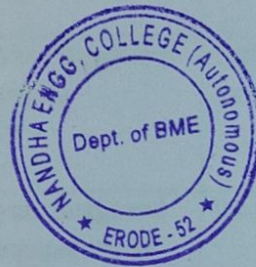
NEC / Biomedical Engg. Dept - Requesting Consent for BoS- MoM - Reg.

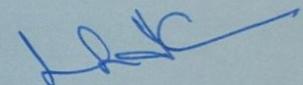
Vivekanandan S <svivekanandan@vit.ac.in>
To: HOD BME <hodbme@nandhaengg.org>

Mon, Aug 16, 2021 at 8:19 PM

Dear sir
I approve the content incorporated

Regards Dr. S.Vivekanandan
[Quoted text hidden]




Dr. T. S. Raju / P. M. A. R.
Chairman / BME / BoS




NANDHA ENGINEERING COLLEGE (AUTONOMOUS), ERODE.

DEPARTMENT OF BIOMEDICAL ENGINEERING

Action Taken Report for 4 th Board of Studies meeting held on 10.07.2021		
Biomedical Engineering		
S.No.	Suggestions	Action Taken
1	Dr. Judith Justin: Suggested to change the "17BMC08 – Radiological Equipment" course name as "Medical Imaging Techniques"	Changed as "17BMC08 – Medical Imaging Techniques"
2	Mr. K. Bala Subramaniyan: Suggested to include Ultrasound and its techniques in "17BMC08 – Radiological Equipment"	Included in Unit IV as "Ultrasonic Imaging System"
3	Mr. K. Bala Subramaniyan: Suggested to include X-ray based equipments in "17BMC08 – Radiological Equipment"	Incorporated
4	Dr. Judith Justin: Suggested to include Digital radiography and Digital Subtraction Angiography topics in "17BMC08 – Radiological Equipment"	Included in Unit I and Unit III in the "17BMC08 – Medical Imaging Techniques" Syllabus
5	Dr. B. Banu Rekha: Suggested to change text book for "17BMC09 Rehabilitation Engineering"	Incorporated
6	Dr. S. Vivekanandan: Suggested to include Orthopedic prosthetics and orthotics in "17BMC09 – Rehabilitation Engineering"	Included in Unit IV
7	Dr. Judith Justin: Suggested to include Wheel Chair Engineering in "17BMC09 – Rehabilitation Engineering"	Included as Wheel Chair Engineering in Unit II
8	Dr. B. Banu Rekha: Suggested to change Unit III for "17BMC09 – Rehabilitation Engineering"	Incorporated
9	Mr. M. Karthikeyan: Suggested to include recent versions in text book and	Incorporated

	reference book	
10	Dr. Judith Justin: Suggested to mention list of equipment in "17BMP06 – Hospital Training" and also members suggested to rename this as "Hospital Internship"	Incorporated
11	Dr. Judith Justin: Suggested to change few topics in "17BMZ01 – Healthcare Technology" Syllabus	Incorporated
12	Dr. B. Banu Rekha: Suggested to change "17BMZ04 – Wearable Systems in Healthcare" Syllabus	Changed as "17BMZ04 – Medical Ethics"
13	Dr. S. Vivekanandan: Suggested to include Medical Ethics as open elective and Medical Ethics with standards as PSE	Incorporated
14	Dr. Judith Justin: Suggested to change course objective and outcome for "17BMD01 – Project Phase I" and "17BMD02 – Project Phase II"	Incorporated
15	Dr. S. Vivekanandan: Suggested to change the project description for both "17BMD01 – Project Phase I" and "17BMD02 – Project Phase – II"	Incorporated
16	Dr. B. Banu Rekha: Suggested to include concept of Software as a Medical Device (SaMD) in the PSE course "17BMX13 – Medical Ethics and Standards"	Included in Unit III
17	Dr. B. Banu Rekha: Suggested to change the name of 3D Studio Max	Changed as 3D Design and Modeling Tools




Chairman, BoS/ BME