



NANDHA ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

ERODE – 638 052 TAMILNADU

Department of Biomedical Engineering

NEC/BME/BOS-07/2023-24 (EVEN)

DATE: 30.05.2024

CIRCULAR

Originator: Chairman - BOS	Circulated to: Members of BOS & All faculty members
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Sub: Board Of Studies (BOS) meeting:

The 7th BOS meeting is scheduled on 31.05.2024 to discuss the agenda listed below. In this connection, all the BOS members are requested to attend the meeting.

Date & Time of Meeting: 31.05.2024 (11.30 AM)

Venue: Board Room, Block III, Nandha Engineering College.

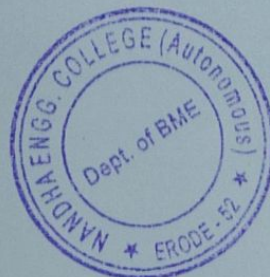
AGENDA

Item 7.01	Welcome Address and Introduction to members.
Item 7.02	Review of Institute Vision and Mission.
Item 7.03	Review of Department Vision, Mission, PEOs and PSOs.
Item 7.04	Review of the 6th BoS meeting minutes and Action Taken Report.
Item 7.05	Review of the PAC and DAB meeting minutes and Action Taken Report.
Item 7.06	Approval of V, VI, VII & VIII semester syllabi for B.E- BME and verticals with CO-PO/PSO mapping.
Item 7.07	Review of Ratification in R17 curriculum.
Item 7.08	Review of Program Evaluation and Assessment.
Item 7.09	Review of One Credit Courses.
Item 7.10	Review of TLP Pedagogy Implementation.
Item 7.11	Review of Panel of Examiners.
Item 7.12	Review on Placement and Training activities.
Item 7.13	Any other matter.
Item 7.14	Vote of Thanks.

To

All members of BOS,

- ✓ All Faculty members
- ✓ File (O/o Head)




CHAIRMAN - BOS



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Department of Biomedical Engineering

MINUTES OF BOARD OF STUDIES MEETING

Name of the Body	Board of Studies (BoS)	
Department	Biomedical Engineering	
Meeting No.	07	2023-24
Date & Time	31.05.2024 & 11.30 AM	



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The proceedings of 7th BOS started and the minutes of the meeting are recorded as follows:

Date & Time of Meeting: 31.05.2024 (11.30 AM)

Venue: Board Room, Block III, Nandha Engineering College.

The members attended the meeting are given in Annexure I.

AGENDA

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Department of Biomedical Engineering

9	VIII	22BMD01	Project Work
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• General Suggestions

- ✓ Consolidate seven verticals into six
- ✓ Vertical Titles to be changed:
 - Vertical 2 as WEARABLE TECHNOLOGY.
 - Vertical 3 as ARTIFICIAL INTELLIGENCE IN MEDICINE.
 - Vertical 6 as MODERN HEALTHCARE DEVICES
- ✓ Reduce 7 Verticals to 6 Verticals.
- ✓ Create a unique syllabus with different fields in biomedical engineering like biotechnology, regenerative medicine and drug delivery.

• Course wise Suggestions made by the External members

S. No	Course Title	Suggestions	Suggested by
1	22BMC08 - Microprocessors and Microcontrollers Interfacing	<ul style="list-style-type: none"> ▪ The term 'interfacing' is not necessary in the title. ▪ In Unit IV – Specify the sensor for Biosensor interfacing. ▪ Remove unit-V. It can be given as certification course separately. ▪ Unit I – 8085; Unit II – 8051; Unit III – 8051 Programming; Unit IV – PIC Microcontroller; Unit V – Communication Peripherals. 	Er. Muhammadu Sathik Raja & Dr. K. Hariharan
2	22BMC09 - Radiology Equipment	<ul style="list-style-type: none"> ▪ Unit I – include X-ray types. ▪ Unit II – include CT Scan slice. 	Dr. S. Esakkirajan
3	22BMP05 - Microprocessors and Microcontrollers Interfacing Laboratory	Remove the first study experiment.	Dr. K. Hariharan & Dr. A. Karthika
4	22BMP06 - Diagnostic and Therapeutic Equipment Laboratory	Experiments should not be entitled as 'Study'	Dr. K. Hariharan
5	22BMC12 - Medical Image Processing	<ul style="list-style-type: none"> ▪ Add Morphology, DICOM in Medical Image Processing. ▪ Remove basic image model. ▪ Add feature extraction (can be given as a separate unit if possible). ▪ Compression to be reduced. Remove, 	Dr. S. Esakkirajan



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Item 7.01	Welcome Address and Introduction to members			
	The Chairman of the BoS Dr. M. Dhipa, HoD-BME, commenced the meeting with welcome address and introduced the members.			
Item 7.02	Review of Institute Vision and Mission.			
Discussion	Dr. M. Dhipa presented the Institute Vision and Mission.			
Resolution	Review and Approve			
Item 7.03	Review of Department Vision, Mission, PEOs and PSOs.			
Discussion	Dr. M. Dhipa presented the Department Vision and Mission.			
Resolution	Review and Approve			
Item 7.04	Review of the 6th BoS meeting minutes and Action Taken Report.			
Discussion	Dr. M. Dhipa presented the 6th BoS meeting minutes and Action Taken Report.			
Resolution	Resolved to record			
Item 7.05	Review of the PAC and DAB meeting minutes and Action Taken Report.			
Discussion	Dr. M. Dhipa presented the previous PAC and DAB meeting minutes and Action Taken Report.			
Resolution	Resolved to record			
Item 7.06	Approval of V, VI, VII & VIII semester syllabi for B.E- BME and verticals with CO-PO/PSO mapping.			
	Dr. M. Dhipa presented V, VI, VII & VIII semester syllabi for B.E- BME and verticals with CO-PO/PSO mapping for approval.			
Discussion	S. No	Sem	Course Code	Course Title
	1	V	22BMC08	Microprocessors and Microcontrollers Interfacing
	2		22BMC09	Radiology Equipment
	3		22BMC10	Diagnostic and Therapeutic Equipment
	4		22BMP05	Microprocessors and Microcontrollers Interfacing Laboratory
	5		22BMP06	Diagnostic and Therapeutic Equipment Laboratory
	6	VI	22BMC11	Fundamentals of Healthcare Analytics
	7		22BMC12	Medical Image Processing
8	22BMP07		Medical Image Processing Laboratory	



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9	VIII	22BMD01	Project Work
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- **General Suggestions**

- ✓ Consolidate seven verticals into six
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- ✓ Reduce 7 Verticals to 6 Verticals.
- ✓ Create a unique syllabus with different fields in biomedical engineering like biotechnology, regenerative medicine and drug delivery.

- **Course wise Suggestions made by the External members**

S. No	Course Title	Suggestions	Suggested by
1	22BMC08 - Microprocessors and Microcontrollers Interfacing	<ul style="list-style-type: none"> ▪ The term 'interfacing' is not necessary in the title. ▪ In Unit IV – Specify the sensor for Biosensor interfacing. ▪ Remove unit-V. It can be given as certification course separately. ▪ Unit I – 8085; Unit II – 8051; Unit III – 8051 Programming; Unit IV – PIC Microcontroller; Unit V – Communication Peripherals. 	Er. Muhammadu Sathik Raja & Dr. K. Hariharan
2	22BMC09 - Radiology Equipment	<ul style="list-style-type: none"> ▪ Unit I – include X-ray types. ▪ Unit II – include CT Scan slice. 	Dr. S. Esakkirajan
3	22BMP05 - Microprocessors and Microcontrollers Interfacing Laboratory	Remove the first study experiment.	Dr. K. Hariharan & Dr. A. Karthika
4	22BMP06 - Diagnostic and Therapeutic Equipment Laboratory	Experiments should not be entitled as 'Study'	Dr. K. Hariharan
5	22BMC12 - Medical Image Processing	<ul style="list-style-type: none"> ▪ Add Morphology, DICOM in Medical Image Processing. ▪ Remove basic image model. ▪ Add feature extraction (can be given as a separate unit if possible). ▪ Compression to be reduced. Remove, 	Dr. S. Esakkirajan



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		'DCT & Wavelet transform based image compression.	
6	22BMP07 - Medical Image Processing Laboratory	<ul style="list-style-type: none"> ▪ Remove experiments 2, 5 & 15. ▪ Combine experiments 8 & 9. Super resolution concept can be included. ▪ Include ITK tool for image segmentation. 	Dr. K. Hariharan
7	Biometric Systems	Include Viola Jones algorithm in Unit III.	Dr. S. Esakkirajan & Dr. S. Thomas George
8	Radiotherapy Basics and Application	The term BASICS to be removed from course title.	Dr. K. Hariharan & Dr. S. Thomas George.
9	Medical Optics	Include light applications in Biomedical Engineering. Also, include Optical Coherence Tomography (OCT) and Retinal Imaging.	Dr. S. Esakkirajan & Dr. S. Thomas George.
10	Telemedicine and Medical IoT	Introduce IoMT, Medical edge devices. ARM Cortex might be a heavy topic.	Dr. S. Esakkirajan
11	Medical Informatics	Instead of Bioethics, it can be given as Medical ethics.	Dr. S. Esakkirajan
12	Brain Computer Interface and Applications	Remove PSD.	Dr. S. Esakkirajan
13	Ergonomics	Case studies can be tailored and modified to focus on specific hospital applications. Like, Ergonomic chair design for lumbar pain; Assistive design for back support.	Dr. S. Esakkirajan & Er. Muhamradu Sathik Raja
14	Finite Element Analysis	Reduce the content. Try to rephrase with CAD design.	Dr. S. Esakkirajan & Er. Muhamradu Sathik Raja
15	Physiological Modeling	Unit III to be rephrased.	Dr. S. Esakkirajan & Dr. S. Thomas George.
16	Haptics	<ul style="list-style-type: none"> ▪ Elaborate the topics. ▪ Limit text books to 2. 	Dr. S. Esakkirajan & Dr. S. Thomas George.
17	Hospital Planning, Organization and Management	Include PACs in Unit V.	Dr. S. Esakkirajan & Dr. S. Thomas George.
18	Robotics in Healthcare	<ul style="list-style-type: none"> ▪ Reduce contents of Unit II. ▪ Remove the topic 'Differential relationship'. 	Dr. S. Esakkirajan & Dr. A. Karthika



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Resolution	Review and Incorporate suitably.			
Item 7.07	Review of Ratification in R17 curriculum.			
Discussion	Dr. M. Dhipa presented the revisions made in the R17 curriculum for the purpose of placement.			
	Course Code	Course Title	Changes Made	
	17ITX37	Problem Solving using Java	Moved from OE to PSE	
Resolution	Resolved to approve R22 Curriculum			
Item 7.08	Review of Program Evaluation and Assessment.			
Discussion	Dr. M. Dhipa presented the Program Evaluation and Assessment schemes for all the courses.			
Resolution	Reviewed and approved			
Item 7.09	Review of One Credit Courses.			
Discussion	Dr. M. Dhipa presented the one-credit courses, identified certified courses and online courses completed by the students.			
	<ul style="list-style-type: none"> • Offered One – Credit Courses: 			
	S. No	COURSE CODE	BATCH	Course Title
	1	17BMI04	[2021 - 2025]	Embedded System for Biomedical Application
	2	22BMI01	[2022 - 2026]	Embedded Product Design and IoT
<ul style="list-style-type: none"> • NPTEL Courses: 				
Elite + Silver = 1; Elite = 17				
S. No	Course Title	No. of Students Completed		
1	Genetic Engineering: Theory and Application	4		
2	Biophotonics	29		
3	Entrepreneurship Essentials	9		
Resolution	Reviewed and approved			
Item 7.10	Review of TLP Pedagogy Implementation.			
Discussion	Dr. M. Dhipa presented the TLP Pedagogy implementations in the department			
	<ul style="list-style-type: none"> • Activity Based Learning Engaging students in active learning by applying theoretical knowledge in practical scenarios, promoting analysis, critical thinking and collaborative learning. • Hands-On Laboratory Sessions Enabling students to understand and apply theoretical concepts by conducting hands-on experiments using discrete components, fostering analytical thinking and problem-solving skills. 			



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	<ul style="list-style-type: none">• Field Visits Enhancing students' understanding of theoretical concepts through real-world exposure and practical insights by organizing field visits related to their subjects.• Assignments involving case study Reinforcing students' understanding of theoretical concepts and their practical applications by analyzing real-world scenarios through case studies.
Resolution	Reviewed and approved
Item 7.11	Review of Panel of Examiners.
Discussion	Dr. M. Dhipa presented Review of Panel of Examiners.
Resolution	Reviewed and approved
Item 7.12	Review on Placement and Training activities.
Discussion	Dr. M. Dhipa – Chairman, presented the placement status of IV Year (2024 batch) students and training plan for 2021-2025 batch students. IV YEAR PLACEMENT STATUS: Total No. of Students Placed: 37 [CORE - 22 & IT - 15].
Resolution	Reviewed and approved
Item 7.13	Any other matter (NIL)
	<ul style="list-style-type: none">✓ Dr. Thomas George suggested initiating product development through PBL course.✓ Dr. S. Esakkirajan suggested offering training to solve real-time problems and acquire hands-on training.
Item 7.14	Vote of Thanks
	Dr. M. Dhipa proposed the Vote of Thanks.



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Department of Biomedical Engineering

7th Board of Studies Meeting



Handwritten signature in green ink
31/5/24

Handwritten signature in blue ink
CHAIRMAN - BOS

[Dr. M. DHIPA, Head of the Department – BME]

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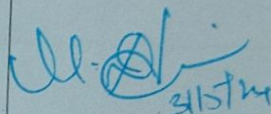
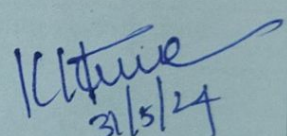
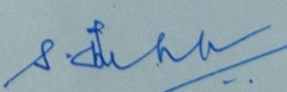
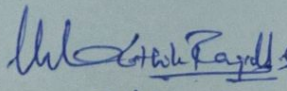
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Department of Biomedical Engineering

Email : hodbme@nandhaengg.org

ANNEXURE-II

Name of the Board	Meeting No.	Academic year
Biomedical Engineering	07	2023-24

Meeting Attendance			
S.No	Members	Representation	Signature with date
1	Dr. M. Dhipa Associate Professor & Head Biomedical Engineering, Nandha Engineering College (Autonomous), Erode – 638 052.	Chairman	 31/5/24
2	Dr. K. Hariharan, Professor, Department of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai – 625 015.	University Nominee	 31/5/24
3	Dr.P.Palanisamy, Professor, Department of Electronics and Communication Engineering, National Institute of technology, Trichirappalli - 620 015.	Expert Nominee (Nominated by Academic Council)	LEAVE OF ABSENCE
4	Dr. S. Thomas George, Professor & Head, Department of Biomedical Engineering, Karunya Institute of Technology & Science (Deemed University), Coimbatore - 641 114.	Expert Nominee (Nominated by Academic Council)	 31/5/24
5	Er. Muhammadu Sathik Raja, HR & CR Medingers Healthcare Solutions, Erode – 638 009.	Member (Expert from Industry)	 31. May. 2024



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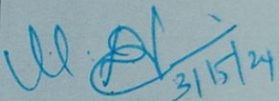
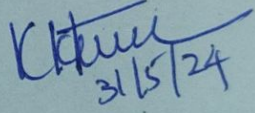
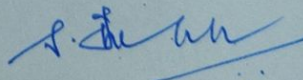
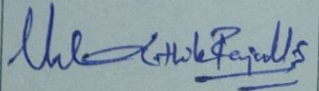
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4	Dr. S. Thomas George, Professor & Head, Department of Biomedical Engineering, Karunya Institute of Technology & Science (Deemed University), Coimbatore - 641 114.	Expert Nominee (Nominated by Academic Council)	 31/5/24
5	Er. Muhammadu Sathik Raja, HR & CR Medingers Healthcare Solutions, Erode – 638 009.	Member (Expert from Industry)	 31. May 2024

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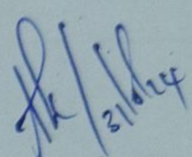
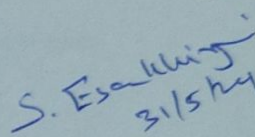
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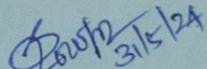
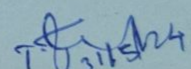
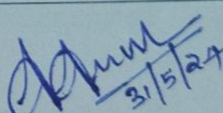
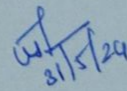
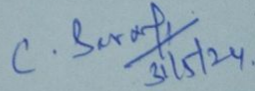
Department of Biomedical Engineering

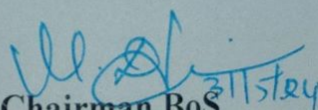
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6	Dr. A. Karthika, Assistant Professor, Department of Biomedical Engineering, SNS College of Technology, Coimbatore - 641 035.	Alumni	 31/5/24
7	Dr. S. Esakkirajan, Professor, Department of Instrumentation and Control Systems Engineering, PSG College of Technology, Coimbatore - 641 005.	Special Invitee	 31/5/24

Meeting Attendance- Internal members

S. No	Members	Representation	Signature with date
1	Ms. B. Sowparnika, Assistant Professor - Biomedical Engineering.	Member	 31/5/24
2	Dr. T. Jayakumar, Associate Professor - Biomedical Engineering.	Member	 31/5/24
3	Mr. A. Amarnath Prabhakaran, Assistant Professor - Biomedical Engineering.	Member	 31/5/24
4	Ms. K. Thivyabrabha, Assistant Professor - Biomedical Engineering.	Member	 31/5/24
5	Ms. C. Saranya, Assistant Professor - Biomedical Engineering.	Member	 31/5/24


Chairman BoS
31/5/24



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Department of Biomedical Engineering

Action Taken Report for 7th Board of Studies meeting held on 31.05.2024

Biomedical Engineering

S. No.	Suggestions	Action Taken
1	<p>Er. Muhammadu Sathik Raja & Dr. K. Hariharan suggested the following changes in 22BMC08 - Microprocessors and Microcontrollers Interfacing:</p> <ul style="list-style-type: none">Unit I – 8085; Unit II – 8051; Unit III – 8051 Programming; Unit IV – PIC Microcontroller; Unit V – Communication Peripherals.	Incorporated
2	<p>Dr. S. Esakkirajan suggested the following changes in 22BMC09 - Radiology Equipment:</p> <ul style="list-style-type: none">Unit I – include X-ray types.Unit II – include CT Scan slice.	Incorporated
3	<p>Dr. K. Hariharan & Dr. A. Karthika suggested change in 22BMP05 - Microprocessors and Microcontrollers Interfacing Laboratory:</p> <ul style="list-style-type: none">Remove the first study experiment.	Incorporated
4	<p>Dr. K. Hariharan suggested changes in 22BMP06 - Diagnostic and Therapeutic Equipment Laboratory:</p> <p>Experiments should not be entitled as 'Study'.</p>	Incorporated
5	<p>Dr. S. Esakkirajan suggested changes in 22BMC12 - Medical Image Processing:</p> <ul style="list-style-type: none">Add Morphology, DICOM in Medical Image Processing.Remove basic image model.Compression to be reduced. Remove, 'DCT & Wavelet transform based image compression.	Incorporated
6	<p>Dr. K. Hariharan suggested changes in 22BMP07 - Medical Image Processing Laboratory</p>	Incorporated



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	<ul style="list-style-type: none">Remove experiments 2, 5 & 15.Combine experiments 8 & 9.	
7	<p>Dr. S. Esakkirajan & Dr. S. Thomas George suggested changes in Cognitive Technology for Biomedical Engineers:</p> <p>Course title can be changed as SOFT COMPUTING.</p>	Incorporated
8	<p>Dr. S. Esakkirajan & Er. Muhammadu Sathik Raja suggested changes in Ergonomics:</p> <p>Case studies can be tailored and modified to focus on specific hospital applications. Like, Ergonomic chair design for lumbar pain; Assistive design for back support.</p>	Incorporated
9	<p>Dr. S. Esakkirajan & Er. Muhammadu Sathik Raja suggested changes in Finite Element Analysis:</p> <ul style="list-style-type: none">Reduce the content.	Incorporated
10	<p>Dr. S. Esakkirajan & Dr. S. Thomas George suggested changes in Physiological Modeling:</p> <p>Unit III to be rephrased.</p>	Incorporated
11	<p>Dr. S. Esakkirajan & Dr. S. Thomas George suggested changes in Haptics:</p> <p>Elaborate the topics.</p>	Incorporated
12	<p>Dr. S. Esakkirajan & Dr. A. Karthika suggested changes in Robotics in Healthcare:</p> <ul style="list-style-type: none">Reduce contents of Unit II.	Incorporated



NANDHA ENGINEERING COLLEGE

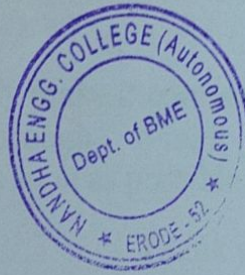
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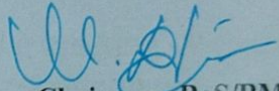
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

ERODE - 638 052 TAMILNADU

Department of Biomedical Engineering

	<ul style="list-style-type: none">Remove the topic 'Differential relationship'.	
13	<p>Dr. S. Esakkirajan & Dr. S. Thomas George suggested changes in Medical Optics:</p> <ul style="list-style-type: none">Include light applications in biomedical engineeringInclude Optical Coherence Tomography	Incorporated




Chairman, BoS/BME



HOD BME <hodbme@nandhaengg.org>

7th BOS Meeting Invite

1 message

HOD BME <hodbme@nandhaengg.org>
To: Kaluvan Hariharan <khh@tce.edu>

Tue, May 28, 2024 at 6:14 PM


Dear Sir,

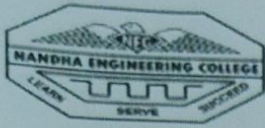
Greetings from Nandha Engineering College (Autonomous), Erode

We take privilege in inviting you for the 7th Board of Studies Meeting in the Department of Biomedical Engineering to be conducted on 31st May, 2024. The meeting will be held at 11.30am in Board Room, Block 3. We trust that you are the right person to contribute your valuable suggestion in revising the Curriculum & Syllabus based on the industrial requirement and latest technology prevailing in the field of Biomedical Engineering, which can help the students community to shape themselves for their bright future.

We request you to kindly make it convenient to attend the meeting. A confirmation of your participation through e-mail (hodbme@nandhaengg.org or sowp arnika.b@nandhaengg.org) as soon as possible would be appreciated.

Thank you

 Dr. K. Hariharan.pdf
210K



HOD BME <hodbme@nandhaengg.org>

7th BOS Meeting Invite

1 message

HOD BME <hodbme@nandhaengg.org>

Tue, May 28, 2024 at 6:17 PM

To: palan@nitt.edu


Dear Sir,

Greetings from Nandha Engineering College (Autonomous), Erode

We take privilege in inviting you for the 7th Board of Studies Meeting in the Department of Biomedical Engineering to be conducted on 31st May, 2024. The meeting will be held at 11.30am in Board Room, Block 3. We trust that you are the right person to contribute your valuable suggestion in revising the Curriculum & Syllabus based on the industrial requirement and latest technology prevailing in the field of Biomedical Engineering, which can help the students community to shape themselves for their bright future.

We request you to kindly make it convenient to attend the meeting. A confirmation of your participation through e-mail (hodbme@nandhaengg.org or sowp.arnika.b@nandhaengg.org) as soon as possible would be appreciated.

Thank you

 Dr. P. Palanisamy.pdf
225K



HOD BME <hodbme@nandhaengg.org>

7th Board of Studies Meeting - invite

1 message

Tue, May 28, 2024 at 6:20 PM

HOD BME <hodbme@nandhaengg.org>

To: training@medingers.com


Dear Sir,

Greetings from Nandha Engineering College (Autonomous), Erode

We take privilege in inviting you for the 7th Board of Studies Meeting in the Department of Biomedical Engineering to be conducted on 31st May, 2024. The meeting will be held at 11.30am in Board Room, Block 3. We trust that you are the right person to contribute your valuable suggestion in revising the Curriculum & Syllabus based on the industrial requirement and latest technology prevailing in the field of Biomedical Engineering, which can help the students community to shape themselves for their bright future.

We request you to kindly make it convenient to attend the meeting. A confirmation of your participation through e-mail (hodbme@nandhaengg.org or sowp arnika.b@nandhaengg.org) as soon as possible would be appreciated.

Thank you

 Er. Muhammadu Sathik Raja.pdf
240K



HOD BME <hodbme@nandhaengg.org>

7th BOS Meeting Invite

1 message

Tue, May 28, 2024 at 6:16 PM

HOD BME <hodbme@nandhaengg.org>
To: Dr Karthika A <akarthikakdm@gmail.com>


Dear Mam,

Greetings from Nandha Engineering College (Autonomous), Erode

We take privilege in inviting you for the 7th Board of Studies Meeting in the Department of Biomedical Engineering to be conducted on 31st May, 2024. The meeting will be held at 11.30am in Board Room, Block 3. We trust that you are the right person to contribute your valuable suggestion in revising the Curriculum & Syllabus based on the industrial requirement and latest technology prevailing in the field of Biomedical Engineering, which can help the students community to shape themselves for their bright future.

We request you to kindly make it convenient to attend the meeting. A confirmation of your participation through e-mail (hodbme@nandhaengg.org or sowp arnika.b@nandhaengg.org) as soon as possible would be appreciated.

Thank you

 Dr. A. Karthika.pdf
253K



HOD BME <hodbme@nandhaengg.org>

7th BOS Meeting Invite

2 messages

Tue, May 28, 2024 at 6:18 PM

HOD BME <hodbme@nandhaengg.org>
To: ser.ice@psgtech.ac.in, Esakki Rajan <esakkirajan@gmail.com>


Dear Sir,

Greetings from Nandha Engineering College (Autonomous), Erode

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We request you to kindly make it convenient to attend the meeting. A confirmation of your participation through e-mail (hodbme@nandhaengg.org or sowparnika.b@nandhaengg.org) as soon as possible would be appreciated.

Thank you

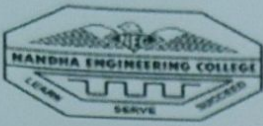
 Dr. S. Esakkirajan.pdf
210K

Esakki Rajan <esakkirajan@gmail.com>
To: HOD BME <hodbme@nandhaengg.org>

Wed, May 29, 2024 at 10:04 AM

Respected Madam,
Thank you very much for BOS invitation. Surely I will attend.

With regards
S. Esakkirajan
[Quoted text hidden]



HOD BME <hodbme@nandhaengg.org>

Sincere Thanks for Your Valuable Inputs and Suggestions

2 messages

HOD BME <hodbme@nandhaengg.org>

Wed, Jun 5, 2024 at 2:41 PM

To: Kaluvan Hariharan <khh@tce.edu>

Dear Sir,

Greetings. I am writing to express my heartfelt gratitude for your valuable inputs and suggestions during our 7th Board of Studies meeting.

Your suggestions have provided us with a deeper understanding of industry trends and educational best practices. It will be instrumental in ensuring that our programs remain cutting-edge and distinctive, equipping our students with the skills and knowledge they need to excel in their future careers. Also I assure that we will diligently follow your inputs on raising the uniqueness of our syllabus in the upcoming curriculum.

Once again, thank you for your time, effort and commitment to our academic endeavors. We are fortunate to have you as a part of our Board of Studies and we look forward to your continued support and collaboration.



With Warm Regards.

Dr. M. Dhipa
BoS - Chairman / BME

Kaluvan Hariharan <khh@tce.edu>

Wed, Jun 5, 2024 at 5:47 PM

To: HOD BME <hodbme@nandhaengg.org>

Madam,

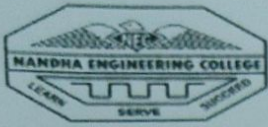
Thank you very much for your gratitude and the opportunity to attend the 12th BoS meeting of the ECE department on 31.05.2024. It was a pleasure to be part of such a productive meeting. I appreciate your efforts and support in organizing the meeting.

Best regards,



Hariharan
Professor,
Electronics and Communication Engineering Department,
Thiagarajar College of Engineering, Madurai-625015
Tamilnadu, INDIA
Phone: 9942584251

[Quoted text hidden]



HOD BME <hodbme@nandhaengg.org>

Sincere Thanks for Your Valuable Inputs and Suggestions

2 messages

Wed, Jun 5, 2024 at 2:42 PM

HOD BME <hodbme@nandhaengg.org>
To: Esakki Rajan <esakkirajan@gmail.com>

Dear Sir,

Greetings. I am writing to express my heartfelt gratitude for your valuable inputs and suggestions during our 7th Board of Studies meeting.

Your suggestions have provided us with a deeper understanding of industry trends and educational best practices. It will be instrumental in ensuring that our programs remain cutting-edge and distinctive, equipping our students with the skills and knowledge they need to excel in their future careers. Also I assure that we will diligently follow your inputs on raising the uniqueness of our syllabus in the upcoming curriculum.

Once again, thank you for your time, effort and commitment to our academic endeavors. We are fortunate to have you as a part of our Board of Studies and we look forward to your continued support and collaboration.



With Warm Regards.

Dr. M. Dhipa
BoS - Chairman / BME

Esakki Rajan <esakkirajan@gmail.com>
To: HOD BME <hodbme@nandhaengg.org>

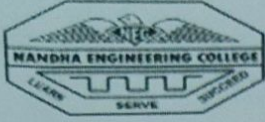
Wed, Jun 5, 2024 at 5:48 PM

Respected madam,

Thank you very much for your feedback. It is a pleasure to interact with your team. The syllabus is well framed. The department interacts with Nandha Hospital. Your department is fortunate enough to have a hospital to support your activities. Try to include "Higher order thinking" subjects (Analytical subjects) in the curriculum. It will help the students in the long run.

with regards
S. Esakkirajan
[Quoted text hidden]

Esakkirajan,
Professor,
Instrumentation and Control Engineering,
PSG College of Technology,
Coimbatore



Approval Request for Board of Studies Minutes

Sat, Jul 13, 2024 at 11:31 AM

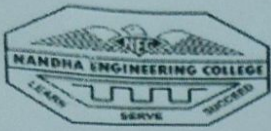
Esakki Rajan <esakkirajan@gmail.com>
To: HOD BME <hodbme@nandhaengg.org>

Respected madam,
I have gone through the minutes of the Boad of Studies meeting. Hereby i approve it.

with regards
S.Esakkirajan
[Quoted text hidden]

--
S.Esakkirajan,
Professor,
Instrumentation and Control Engineering,
PSG College of Technology,
Coimbatore

DATE	AUDITED	
	AUDITOR	CHIEF AUDITOR
NAME	E. Paelma	
SIGNATURE		



HOD BME <hodbme@nandhaengg.org>

Approval Request for Board of Studies Minutes

Fri, Jul 12, 2024 at 9:51 AM

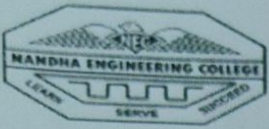
Dr. S. THOMAS GEORGE. 137 <thomasgeorge@karunya.edu>
To: HOD BME <hodbme@nandhaengg.org>

Dear Madam,
It is looking fine to me. Approved. Thanks.
Dr. S. Thomas George
Professor and Head,
Biomedical Engineering &
Coordinator, Karunya - IPR Cell,
Karunya Institute of Technology and Sciences (Deemed-to-be University)
Coimbatore-641 114.

Official: (+91) 422 261 4394
Personal: (+91) 9443292426

Official: thomasgeorge@karunya.edu
Personal: s_thomasgeorge@rediffmail.com
opus ID: 57211650041
Web of Science Researcher ID : F-1931-2018

[Quoted text hidden]



HOD BME <hodbme@nandhaengg.org>

Approval Request for Board of Studies Minutes

Kaluvan Hariharan <khh@tce.edu>

Fri, Jul 12, 2024 at 11:00 AM

To: HOD BME <hodbme@nandhaengg.org>

Cc: palan@nitt.edu, thomasgeorge@karunya.edu, training@medingers.com, Dr Karthika A <akarthikakdm@gmail.com>, Esakki Rajan <esakkirajan@gmail.com>

Dear Sir/Madam greetings

I reviewed the minutes attached along with this email. Herewith approve the minutes of the 7th Board of Studies (BoS) meeting held on 31.05.2024.

Thanks and Regard

K,Hariharan

Professor,

Electronics and Communication Engineering Department,

Thiagarajar College of Engineering, Madurai-625015

Tamilnadu, INDIA

Phone: 9942584251

On Thu, Jul 11, 2024 at 5:05 PM HOD BME <hodbme@nandhaengg.org> wrote:

[Quoted text hidden]

Off: 044- 22357077 / 7076

Fax / Dir.: 044 - 22352272



CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY
CHENNAI - 600 025



03.01.2024

Dr. S. HOSIMIN THILAGAR
DIRECTOR

Letter No.4452/AU/CAC/2023

To
The Principal
Nandha Engineering College (Autonomous)
Erode - Perundurai Main Road,
Vaikkaalmedu, Erode - 638052

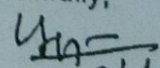
Sir / Madam,

- Sub: AU - Centre for Academic Courses - **Nandha Engineering College, Erode**
- University Nominees for Academic Council and BoS - Extended - Reg.
- Ref: 1. Letter received from the Principal, Nandha Engineering College, dated
21.12.2023.
2. Registrar i/c. approval dated 30.12.2023.

With reference to the letter cited above, your college had requested for appointment of members for Board of Studies and Academic Council upon expiry of the appointment period of its members. The institution had earlier applied for extension of Autonomous Status.


It is informed that the existing members of Board of Studies and Academic Council are extended for the academic year 2024 - 2025, so that any academic matter shall be dealt with by the institution without any delay.

Yours faithfully,


DIRECTOR 3/1/2024

Copy to:

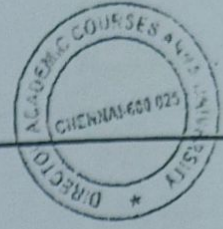
1. The Stock File - CAC.


3/1/24

Off: 044- 22357077 / 7076
Fax / Dir.: 044 - 22352272



CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. S. HOSIMIN THILAGAR
DIRECTOR
Letter No.4558/AU/CAC/2021

15.02.2022

To
The Principal
Nandha Engineering College
Erode - Perundurai Main Road,
Vaikkaalmedu, Erode - 638052

Sir /Madam,

Sub: AU - CAC - University Nominees for the Academic Council and Board of Studies in
Nandha Engineering College, Erode - 638 052 - Reg.

- Ref: 1. Letter received from the Principal, Nandha Engineering College, dated
12.11.2021.
2. Vice Chancellor's approval dated 11.02.2022.

It is informed that the Vice-Chancellor is pleased to nominate the faculty members (annexed) to serve in the Academic Council and Board of Studies of **Nandha Engineering College, Erode - 638 052** (Autonomous Institution) as University Nominee. The tenure of nomination is for a period of two years during the academic years **2021 - 2022 to 2022 - 2023**.

As per the Statute of the University "The standard of the Regulations framed or updated by an autonomous college shall be equal to or higher than that of the Regulations prescribed by the University (for Affiliated Colleges). Especially the minimum attendance prescribed for permitting students to sit for the examinations, the passing requirements of courses (subjects) and the classification criteria should never be lower than those prescribed by the University. Further, the weightage for internal assessment shall not exceed the prescribed quantum fixed by the University from time to time". You are required to adhere to this in letter and spirit. Kindly acknowledge the receipt of the letter. I request you to kindly inform the individual members accordingly.

Yours faithfully,

[Signature]
16/02/22
DIRECTOR

Encl: As Above

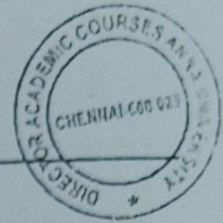
Copy to:

1. The Stock File - CAC.

(i) IQAC/Directr.



CENTRE FOR ACADEMIC COURSES
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. S. HOSIMIN THILAGAR
DIRECTOR
Letter No.4558/AU/CAC/2021

15.02.2022

To
The Principal
Nandha Engineering College
Erode - Perundurai, Main Road, Vaikkaalmedu,
Erode - 638 052.

Sir / Madam,

Sub: AU - Centre for Academic Courses - University Nominees for BoS. - Reg.
Ref: Letter received from the Principal, Nandha Engineering College, dated 12.11.2021.

The Board of studies constituted for respective faculties are authorized to conduct the meetings for the UG / PG programmes shown against it in the Table below.

Sl. No.	Board of Studies	Programmes
1.	Faculty of Civil Engineering	1. B.E. Agriculture Engineering 2. B.E. Civil Engineering 3. M.E. Structural Engineering
2.	Faculty of Mechanical Engineering	1. B.E. Mechanical Engineering 2. M.E. Engineering Design
3.	Faculty of Electrical Engineering	1. B.E. Electrical and Electronics Engineering
4.	Faculty of Electronics and Communication Engineering	1. B.E. Electronics and Communication Engineering 2. B.E. Biomedical Engineering 3. M.E. VLSI Design
4.	Faculty of Computer Science and Engineering and IT	1. B.E. Computer Science and Engineering 2. B.Tech. Information Technology 3. B.Tech. Artificial Intelligence and Data Science 4. M.E. Computer Science and Engineering 5. MCA
5.	Faculty of Technology	B.Tech. Chemical Engineering
6.	Faculty of Science and Humanities	English, Physics, Chemistry and Mathematics
7.	Faculty of Management Sciences	Master of Business Administration

Yours faithfully,

[Signature]
15/02/2022
DIRECTOR

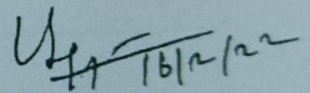
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1. The Stock File - CAC.

SG-07

IQAC

ANNEXURE
UNIVERSITY NOMINEES FOR ACADEMIC COUNCIL
NANDHA ENGINEERING COLLEGE, ERODE - 638 052

SL. NO.	PURPOSE	UNIVERSITY NOMINEES
1.	Academic Council	Dr. N. Natchimuthu Professor and Head Department of Rubber and Plastics Technology MIT Campus, Anna University, Chennai - 600 044.
2.		Dr.K.Ramesh Professor and Head Department of Mechanical Engineering Government College of Technology Thadagam Road, Coimbatore - 641 013.
3.		Dr. K. Ruckmani Professor Department of Pharmaceutical Technology University College of Engineering Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli - 620 024.


16/12/22
DIRECTOR (AC)
16/12/22

ANNEXURE
UNIVERSITY NOMINEES FOR BOARD OF STUDIES
NANDHA ENGINEERING COLLEGE, ERODE - 638 052.

SL. NO.	NAME OF THE BOARDS	UNIVERSITY NOMINEES
1.	Faculty of Civil Engineering	Dr. S. P. Jeyapriya Professor Department of Civil Engineering Government College of Technology Thadagam Road, Coimbatore - 641 013
2.	Faculty of Mechanical Engineering	Dr. S. P. Vendan Professor Department of Mechanical Engineering PSG College of Technology, Coimbatore - 641 004.
3.	Faculty of Electrical Engineering	Dr. Sujatha Balaraman Associate Professor (CAS) Department of Electrical and Electronics Engineering Government College of Technology Coimbatore - 641 013
4.	Faculty of Electronics and Communication Engineering	Dr. K. Hariharan Associate Professor Department of Electronics and Communication Engineering Thiagarajar College of Engineering, Madurai - 625015.
5.	Faculty of Computer Science and Engineering and Information Technology	Dr. D. Karthika Renuka Associate Professor Department of Information Technology PSG College of Technology, Coimbatore - 641 004.
6.	Faculty of Technology	Dr. M. Arulmozhi Professor and Head Department of Petrochemical Technology University College of Engineering BIT Campus Anna University, Tiruchirappalli - 620 024.
7.	Faculty of Sciences and Humanities	Dr. G. Senguttuvan Professor Department of Physics University College of Engineering BIT Campus Anna University, Tiruchirappalli - 620 024.
8.	Faculty of Management Sciences	Dr. B. Uma Maheswari Associate Professor Department of Management Studies PSG Institute of Management PB No 1668, Peelamedu, Coimbatore - 641 004.

[Handwritten Signature]
DIRECTOR (AC)

[Handwritten Initials]



NANDHA ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

ERODE – 638 052 TAMILNADU

Department of Biomedical Engineering

NEC/BME/BOS-06/2022-23 (EVEN)

DATE: 28.04.2023

CIRCULAR

Originator:

Chairman - BOS

Circulated to:

Members of BOS & All faculty members

Sub: Board Of Studies (BOS) meeting:

The 6th BOS meeting is scheduled on 28.04.2023 to discuss the agenda listed below. In this connection, all the BOS members are requested to attend the meeting.

Date & Time of Meeting: 28.04.2023 (11.30 AM)

Venue: Board Room, Block III, Nandha Engineering College.

AGENDA

Item 6.01	Welcome Address and Introduction to members
Item 6.02	Review of the 6 th BoS meeting minutes and Action Taken Report.
Item 6.03	Review of the PAC and DAB meeting minutes and Action Taken Report.
Item 6.04	Review and approve Institute Vision and Mission.
Item 6.05	Review and approve Department Vision, Mission, PEOs and PSOs.
Item 6.06	Review of Correlation between Vision and Mission statement of the Vision and Mission statement of the institute and Department, correlation between the department mission and PEOs.
Item 6.07	Review of Curriculum (R22) for UG - BME program.
Item 6.08	Review of R22 ratification for 1 st and 2 nd semesters.
Item 6.09	Review of 3 rd and 4 th semester syllabi for B.E - BME and service programs with CO-PO/PSO mapping
Item 6.10	Approval of Honor and Minor courses inclusion in R17.
Item 6.11	Approval of one credit courses.
Item 6.12	Review of Panel of Examiners.
Item 6.13	Any other matter

To

All members of BOS,

- ✓ All Faculty members
- ✓ File (O/o Head)



CHAIRMAN - BOS