

## MINUTES OF BOARD OF STUDIES MEETING

**Name of the Department: ELECTRICAL AND ELECTRONICS ENGINEERING**

Date: 14.06.2023

The meeting of 11<sup>th</sup> Board of Studies in the Department of Electronics and Instrumentation Engineering Undergraduate programme for the academic year 2023-24 was conducted on 14.06.2023 at 02.30 pm in Online Mode through Google Meet. (Meeting Link: <https://meet.google.com/ece-cnxc-vvc>)

The following members were present:

S.No.	Name of the Member	Position
1.	Dr.N.P.Ananthamoorthy	Chairman
2.	Dr.T.Aruldoss Albert Victoire	University Nominee
3.	Dr.K.Baskaran	Academic Expert
4.	Dr. K. Ranjith kumar	Academic Expert
5.	Dr. V. Karthikeyan	QS Rated Institution
6.	Mr.Pradeep	Alumni Member
7.	Mr.Rajesh kumar J	Representative from Industry
8.	Dr Sekar K	Member
9.	Dr Rajeshkanna R	Member
10.	Mrs Vanmathi K	Member
11.	Mrs Nandhini B	Member
12.	Mr Viswanathan M P	Member
13.	Mr Muthuram G	Member
14.	Mr Joshua Daniel S	Member
15.	Mr Saravanakumar K	Member
16.	Mr Daniel Pradeep M	Member
17.	Mrs Gayathri R	Member
18.	Mr Arundass G	Member
19.	Mr Maheshkumar N	Member
20.	Mr Khaja Najumudeen A	Member
21.	Mrs Divya S	Member

22.	Dr Mathan K	Member
23.	Mrs Mythilyy A	Member
24.	Mrs Maheswari N	Member
25.	S.Dineshkumar	Student Member
26.	R.Manisha	Student Member
27.	K.V.Abhishek	Student Member

The Chairman-BoS (Dr. N.P. Ananthamoorthy ) welcomed all the members for the 11th Board of Studies meeting.

- Followed by Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting which was held on 23.02.2023 was approved.
- The feedback collected on curriculum by the stakeholders was presented by the Chairman.
- The Chairman gave an outline of the views expressed by the members of 11th Department Advisory Committee (DAC) related to the curriculum and Syllabus. The Board of Studies Members' suggestion has been sought in this regard.
- Chairman, BoS has elaborated the Regulations 2022 Curriculum, newly introduced courses and their syllabus, Minor , Honours/Honours with specialization vertical subjects to the members.
- Chairman gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Department Advisory Committee (DAC) and emphasized the importance of including the employability enhancement courses, life skill, soft skill, design thinking and IPR related courses in the curriculum to be in line with the industry needs.
- Chairman presented the Semester V (R2019 (admitted in 2021) & R2022) subjects with syllabus for Minor & Honours/Honours with specialization, and noted the experts suggestions.
- Chairman conveyed to the members that, the Minor & Honours/Honours with specialization scheme is to be implemented in R2019 (for the students who have admitted in 2021-22 and onwards).
- The curriculum and syllabi of Third semester subjects is discussed for 2022 regulation.
- It was also observed that the achievement of PEO and PSO is sufficient and hence the same has been accepted and will continue without any changes next year.
- By analyzing the feedback from the stakeholders, the attainment of the POs with PSOs are sufficient.

## **Recommendations by BoS members (Subject Related )**

The following recommendations put forth by the BoS Members,

- Dr.T.Aruldoss Albert Victoire – University nominee, appreciated the Regulation 2022 curriculum and syllabus for Minor & Honours / Honours with specialization courses (Sem V)
- Dr.K.Baskaran – Subject Expert, recommended to include Recent edition of Text books and Reference books for Sem III, Honours & Minor course syllabus.
- Chairman agreed to incorporate the above suggestions.
- Dr. V. Karthikeyan– Member from QS Rated Institution, appreciated the R2022 Curriculum, Minor & Honours / Honours with specialization vertical subjects.
- Dr. K. Ranjith kumar – Subject Expert, recommended to include additional subjects in the Honours/Honours with specialization verticals (in spite of 6 courses) so that, students can get more options to choose to enhance their basics on that corresponding stream.
- Chairman accepted and said, the suggestion is forwarded to standing committee for approval.
- Industry Expert (Mr.Rajesh kumar J) appreciated the R2022 curriculum and suggested to include more industry oriented and latest industrial technologies in the syllabus.
- Chairman agreed to incorporate the above suggestions while syllabus framing.
- In 3<sup>rd</sup> Sem, R-2022 , "22EE3202– Electrical Circuit Analysis" certain topics were suggested to include.
- In 5<sup>th</sup> Sem, R-2019 , "21EE5202– Renewable and Non-Renewable Energy Sources" suggested to include. Revision of syllabus about 20% was carried out.
- In 7<sup>th</sup> Sem, R-2019, "19EE7201– Solid State Drives" suggested to include some advanced topics Control of induction Motor was also recommended
- All members are accepted to incorporate the above modification.
- Members suggested the following course can be given as a Value Added Course in EVEN semester.
  - (i) Matlab programming for Electrical Engineers and Control Engineers.
  - (ii) Fundamentals of LabVIEW Programming
- Employability Enhancement courses introduced for member's approval.
  - 22HE3071 – Soft Skills – II (Passed by S&H board)
  - 22HE3072 – Fundamentals of JAVA Programming (Passed by CSE board)
- In general, the members suggested to ensure mapping of Course objectives and Course outcomes with course contents.
- The Chairman, BoS and all members accepted to incorporate the above in the curriculum.

**The following resolution was made in the Board of Studies meeting,**

- The syllabi of III semester of the UG Programmes (22MA3102 - Complex Analysis and Transforms, 22HE3071 - Soft Skills -II) for the students admitted during the academic year 2023 - 2024 and onwards was passed by S&H Board of Studies and permitted to move on Academic Council.
- The syllabi of I semester of the UG Programmes for the students admitted during the academic year 2023 - 2024 and onwards was passed by S&H Board of Studies and permitted to move on Academic Council

**1. Percentage of Programmes where syllabus revision was carried out in BoS:**

- Semester V: 21EE5202– Renewable and Non-Renewable Energy Sources (R 2019): Credit 4 (20 % of Syllabus revisions made)

**2. Introduced Course:**

Following new courses are introduced(R2022) for the students admitted in the year 2023-24 and onwards (Semester III)

- 22EE3201 – Electronic Devices and Circuits: Credit 3
- 22EE3202 - Electric Circuit Analysis: Credit 4
- 22EE3203 - Field Theory : Credit 3
- 22EI3251 - Digital Electronics: Credit 4

The meeting came to an end at 04.00 p.m with vote of thanks.



Chairman - BoS  
EEE - HICET

**Enclosure:**

1. Previous BoS Minutes- ATR
2. Regulation 2019 & 2022
3. Curriculum and Syllabi

**Copy:**

1. The Principal
2. Dean Academics
3. Controller of Examinations
4. All the members of BoS
5. File

# Hindusthan College of Engineering and Technology

(An Autonomous Institution, Affiliated to Anna University, Chennai  
Approved by AICTE, New Delhi & Accredited by NAAC with 'A++' Grade)  
Valley Campus, Pollachi Highways, Coimbatore, Tamilnadu.

## MINUTES OF BOARD OF STUDIES MEETING

**Name of the Department: ELECTRICAL AND ELECTRONICS ENGINEERING**

Date: 18.12.2023

The meeting of 12th Board of Studies in the Department of Electrical and Electronics Engineering Undergraduate programme for the academic year 2023-24 was conducted on 18.12.2023 at 12.30 pm in Hybrid Mode through Google Meet. (Meeting Link: <https://meet.google.com/akn-avtg-isy>)

The following members were present:

S.No.	Name of the Member	Position
1.	Dr.N.P.Ananthamoorthy	Chairman
2.	Dr.T.Aruldoss Albert Victoire	University Nominee
3.	Dr.K.Baskaran	Academic Expert
4.	Dr. K. Ranjith kumar	Academic Expert
5.	Dr.K.Karthikeyan	QS Rated Institution
6.	Mr.Pradeep	Alumni Member
7.	Mr.Rajesh kumar J	Representative from Industry
8.	Dr Sekar K	Member
9.	Dr Rajeshkanna R	Member
10.	Mrs Vanmathi K	Member
11.	Mrs Nandhini B	Member
12.	Mr Viswanathan M P	Member
13.	Mr Muthuram G	Member
14.	Mr Joshua Daniel S	Member
15.	Mr Saravanakumar K	Member
16.	Mr Daniel Pradeep M	Member
17.	Mrs Gayathri R	Member
18.	Mr Arundass G	Member
19.	Mr Maheshkumar N	Member
20.	Mr Khaja Najumudeen A	Member
21.	Mrs Divya S	Member
22.	Dr Mathan K	Member
23.	Mrs Mythilyy A	Member
24.	Mrs Maheswari N	Member
25.	R.Manisha	Student Member
26.	K.V.Abhishek	Student Member
27.	S.Jayaprasanth	Student Member

The Chairman-BoS (Dr. N.P. Ananthamoorthy) welcomed all the members for the 12th Board of Studies meeting.

- Followed by Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting which was held on 14.06.2023 was approved.
- The feedback collected on curriculum by the stakeholders was presented by the Chairman.
- The Chairman gave an outline of the views expressed by the members of 12th Department Advisory Committee (DAC) related to the curriculum and Syllabus. The Board of Studies Members' suggestion has been sought in this regard.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Pre-Board of studies (Pre-BoS)/ Department Advisory Committee (DAC).
- Chairman, BoS has elaborated the Regulations 2022 Curriculum, newly introduced courses and their syllabus, Minor , Honours/Honours with specialization vertical subjects to the members.
- Chairman presented the Semester VI (R2019 (admitted in 2021) &R2022) subjects with syllabus for Minor & Honours/Honours with specialization, and noted the experts suggestions.
- Chairman conveyed to the members that, the Minor & Honours/Honours with specialization scheme has been implemented in R2019 (for the students who have admitted in 2021-22 and onwards).
- The curriculum and syllabi for Fourth semester subjects is discussed for 2022 Regulation.
- The equivalence for transferred student was also justified by the chairman.
- After review, the department's vision and mission were determined to be in line with the institutions. Since it was noted that the department's vision and mission coincided with those of the institute, this was approved and will remain the same for the upcoming year.
- Additionally, PEO and PSO attainment was found to be adequate; as a result, it was approved and would remain unchanged for the upcoming year. The POs with PSOs are sufficient, according to an analysis of stakeholder feedback.

## **Recommendations by BoS members (Subject Related )**

The following recommendations put forth by the BoS Members,

- Dr.Ranjith Kumar – Academic Expert, appreciated the Regulation 2022 curriculum and syllabus for Minor & Honours / Honours with specialization courses (Sem VI)
- Dr.K.Baskaran - Subject Expert, suggested to reduce certain syllabus. He went through the transmission and Distribution syllabus and gave very important suggestions in revising the syllabus.
- Chairman agreed to incorporate the above suggestions.
- Dr.K.Karthikeyan – Member from QS Rated Institution, appreciated the R2022 Curriculum, Minor & Honours / Honours with specialization vertical subjects. And suggested to remove some obsolete titles and recommended to further revisions.
- Dr. Ranjith Kumar – Subject Expert, suggested to include “Power Plant Engineering” instead "Renewable Energy system" for Minor Degree.
- Chairman accepted to include the above suggestions.
- Industry Expert (Mr.Rajesh kumar.J) appreciated the R2022 curriculum and suggested to include more applications oriented subjects so that student will be benefited for Industry 4.0.
- Chairman agreed to incorporate the above suggestions.
- Dr.T.Aruldoss Albert Victoire – University nominee, recommended to provide the standard keywords in Course Objectives & Course Outcomes for CO-PO-PSO mapping and fulfill the OBE.
- All members are accepted for the above recommendations.
- The service subject offered for chemical engineering students for 4<sup>th</sup> semester was presented by chairman all the experts accepted it without any change.
- Suggestions to include Sic and Multilevel Inverters in Power Electronics subjects in the next coming Bos were recommended. In Dc-Dc Converter they requested to clearly mention whether it is boost or buck converter.
- All members are accepted to incorporate the above modification.
- Members suggested the following course can be given as a Value-Added Course in EVEN semester.
  - (i) Fundamentals on LabVIEW Programming for Electrical Engineers
  - (ii) Electrical Safety and Software Tools
- Skill Development courses introduced for member’s approval
  - 19 LSZ401 –General Studies for Competitive Examinations
  - 19 LSZ402 – Human Rights, Women’s Rights and Gender Equality

- 19 LSZ403 – Indian Ethos and Human Values
- 19 LSZ404 – Indian Constitution and Political System
- 19 LSZ405 – Yoga for Human Excellence
- Employability Enhancement courses introduced for member's approval.
  - 22HE4071 – Soft Skills – III (Passed by S&H board)
- The equivalence arrived for the transfer candidate was presented and approval was obtained in the BoS.
- The Chairman, BoS and all members are accepted to incorporate the above recommendations in the syllabus.

**The following resolution was made in the Board of Studies meeting,**

- The syllabi of IV semester of the UG Programmes (22HE4101 - IPR and Start-ups, 22HE4071 - Soft Skills -III) for the students admitted during the academic year 2022 - 2023 and onwards was passed by S&H Board of Studies and permitted to move on Academic Council.
- The syllabi of II semester of the UG Programmes for the students admitted during the academic year 2023 - 2024 and onwards was passed by S&H Board of Studies and permitted to move on Academic Council.

1. Percentage of Programmes where syllabus revision was carried out in BoS: Nil

2. Introduce Course:

Following new courses are introduced(R2022) for the students admitted in the year 2022-23 and onwards (Semester IV)

- 22EE4201 – Electrical Machines -I: Credit 3
- 22EE4202 – Integrated Circuits: Credit 4
- 22EE4203 – Transmission and Distribution: Credit 3
- 22EE4204 – Power Plant Engineering: Credit 3
- 22EE4001 - Electrical Machines Laboratory: Credit 2
- 22EE4002 - Integrated Circuits Laboratory: Credit 2

Following new courses are introduced(R2019)for the students admitted in the year 2021-22 and onwards (Semester VI)

- 21EE6205 - Advanced Power Plant Engineering: Credit 3
- 21EE6206- Instrumentation for EnergySystems : Credit 3
- 21EE6601 - Power Plant Engineering: Credit 3
- 21EE6602 - Solar photovoltaic Fundamentals and Its Applications: Credit 3

Following new courses are introduced(R2022) for the students admitted in the year 2022-23 and onwards (Semester IV) Chemical Engineering

- 22EE4205- Basics of Electrical and Electronics Engineering

The meeting came to an end at 2.30 p.m with vote of thanks.



Chairman - BoS  
EEE - HICET

**Enclosure:**

1. Previous BoS Minutes- ATR
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5. File

Screen shots on BoS

