



# 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 & NBA)  
Othakalmandapam Post, Coimbatore – 641 032

Date: 29.03.2019

## MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **Science and Humanities**

The Fourth Board of Studies meeting of Regulation 2019 (New) and Regulation 2016 for the academic year 2019-20 was conducted on 29.03.2019 at 10.30 a.m. in the Video Conference Hall, Central Library.

The following members were present:

S.No.	Name and Affiliation	Subject	Position
1	<b>Dr. K.P.Uma</b> HoD of Science and Humanities, Hindusthan College of Engineering & Technology Coimbatore-641 032 Mobile No.:9442021062 E-mail: umamaths95@gmail.com	Mathematics	Chairman
2	<b>Ms. A. Narmatha</b> Assistant Professor of Mathematics Hindusthan College of Engineering & Technology Coimbatore-641 032 Mobile No.: 9843268171 E-mail: narmadhakrishna@gmail.com	Mathematics	Member
3	<b>Dr. K. Sivakumar</b> Associate Professor of Physics Hindusthan College of Engineering & Technology Coimbatore-641 032 Mobile No.: 9842048708 E-mail:sivakphy@gmail.com	Physics	Member
4	<b>Dr. B. Jeyagowri</b> Assistant Professor of Chemistry Hindusthan College of Engineering & Technology Coimbatore-641 032 Mobile No.: 9894245562 E-mail:gowrivasu2007@gmail.com	Chemistry	Member



5	<b>Ms. M. Narmatha</b> Assistant Professor of English Department of Science and Humanities Hindusthan College of Engineering and Technology Mobile No.: 9994334100 E-mail: marimuthunarmatha@gmail.com	English	Member
6	<b>Dr. V.Dhanapalan</b> Professor, Department of Mathematics Government College of Technology Coimbatore – 641 013. Mobile No. 9442001099	Mathematics	University Nominee
7	<b>Dr.N.Muthukumarasamy,</b> Prof. and Head Department of Physics, Coimbatore Institute of Technology, Coimbatore – 641 014. Mobile No.9442954202 Vishnukutty2002@yahoo.co.in	Physics	Subject Expert
8	<b>Dr.T.Palanisamy,</b> Professor, Department of Mathematics, Amrita College of Engineering and Technology, Coimbatore. Mobile No.:9942471510 E-mail:t_palanisamy@cb.amrita.edu	Mathematics	Subject Expert
9	<b>Dr.A.RamaDevi,</b> Professor and Head, Department of Chemistry, Government College of Technology, Coimbatore 641013. Mobile No.9443201519 Email: ramadeviramanujam61@gmail.com	Chemistry	Subject Expert
10	<b>Dr.M.G.Priya,</b> Selection Grade Professor, Amritha College of Engineering and Technology, Coimbatore Mobile No.8921595129. Email: mg_priya@cb.amrita.edu.	English	Subject Expert

- The chairperson briefly explained the Salient features of Regulation 2019 to all the BoS members.
- 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).
- Followed by, Chairman presented the suggestions given by the BoS experts and the action taken report during the Previous BoS meeting, which was held during 08.03.2018 was approved.

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

New Regulation 2019 has been introduced from this academic year. We introduce new regulation syllabus for I&II semesters and Mathematics service papers (III & IV SEMESTERS) for various departments. *It is suggested by the University Nominee that different Mathematics papers may be introduced for various departments in I, II, III & IV semesters.*

1. **19HE1101-Technical English-** 60% revised.
2. **19HE2101-Business English – 40% revision has been made.**
3. **19MA1101 Calculus for CSE & IT. --- 25% revision has been carried out**
4. **19 MA 1103-Calculus and Differential Equations – 60% has been made as per the suggestion of stakeholders.**
5. **19MA2103-Linear Algebra, Numerical Methods And Transform Calculus – 60% revision has been made**
6. **19MA 2104-Differential Equations and Linear Algebra – 20% revision has been carried out.**
7. **19MA 4102 -Discrete Mathematics (IT)-40% revision carried out as per the suggestion from stakeholders.**
8. **19PH1151 –Applied Physics – 30% and 19PH2151 – 25% revised in the relevant topics suggested by stake holders.**
9. **19CY1101 - Engineering Chemistry 10% revised.**
10. **19CY2102 –Environmental Sciences – 25% revision has been carried out.**
11. **Chemistry Lab II-4% revision made.**

The following Skill Development courses introduced for members' approval

- 19MA1101—Calculus (CSE/IT)
- 19MA1102- Calculus and Linear Algebra  
(AERO/AUTO/MECH/MCTS/CIVIL/CHEMICAL/AGRI/FT)



- 19PH1151- Applied Physics

The following Employability courses introduced for members' approval.

- 19HE1071 -Language Competency Enhancement Course – I (**COMMON TO ALL BRANCHES**).
- 19HE2071- Language Competency Enhancement Course – II (**COMMON TO ALL BRANCHES**)

**General Recommendations:**

General Recommendations: Latest Edition of Text books and Reference Books may be prescribed.

**The following courses were introduced and passed by Department of Science and Humanities and permitted to move on Academic Council.**

- 19HE1101- TECHNICAL ENGLISH (**COMMON TO ALL BRANCHES**)
- 19MA1101-- CALCULUS(CSE/IT),
- 19MA1102- CALCULUS AND LINEAR ALGEBRA (AERO/AUTO/MECH/MCTS/CIVIL/CHEMICAL/AGRI/FT),
- 19MA1103- CALCULUS AND DIFFERENTIAL EQUATIONS (ECE/EEE/ EIE/ BM),
- 19PH1151- APPLIED PHYSICS (COMMON TO ALL BRANCHES),
- 19CY1151- CHEMISTRY FOR ENGINEERS(COMMON TO ALL BRANCHES
- 19HE1071 -LANGUAGE COMPETENCY ENHANCEMENT COURSE - I (**COMMON TO ALL BRANCHES**)
- 19HE2101 - BUSINESS ENGLISH FOR ENGINEERS (**COMMON TO ALL BRANCHES**)
- 19MA2101-DIFFERENTIAL EQUATIONS AND COMPLEX VARIABLES(AERO/AUTO/MECH/MCTS/CIVIL/CHEMICAL/FT/AGRI)
- 19MA2102 -COMPLEX VARIABLES AND TRANSFORM CALCULUS (EEE/EIE/BM)
- 19MA2103- LINEAR ALGEBRA, NUMERICAL METHODS AND TRANSFORM CALCULUS ( ECE )
- 19MA2104- DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA ( CSE / IT)
- 19PH2151- MATERIAL SCIENCE (**COMMON TO ALL BRANCHES**)
- 19CY2151- ENVIRONMENTAL STUDIES (**COMMON TO ALL BRANCHES**)
- 19HE2071- LANGUAGE COMPETENCY ENHANCEMENT COURSE - II (**COMMON TO ALL BRANCHES**)

**The following courses were introduced and passed by Boards of Computer Science and Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Agricultural Engineering, Bio Medical Engineering, Chemical Engineering and Food Technology and permitted to move on Academic Council by the board of Science and Humanities.**

- 19ME1101- BASICS OF CIVIL AND MECHANICAL ENGINEERING (AGRI/FT)
- 19CS1151- PYTHON PROGRAMMING AND PRACTICES (**COMMON TO ALL BRANCHES**)/
- 19ME1152- ENGINEERING DRAWING (EEE/EIE/AUTO/MCTS/ MECH/AERO/CIVIL/CHEMICAL
- 19EC1153- ELECTRON DEVICES AND ELECTRIC CIRCUITS (ECE)
- 19EC1154- BASICS OF ELECTRON DEVICES AND ELECTRIC CIRCUITS (CSE/IT)
- 19EE1155- **BASICS OF ELECTRICAL ENGINEERING (BM)**
- 19ME2101-ENGINEERING MECHANICS (AUTO/MCTS/MECH/AERO/CIVIL)
- 19EE2103- BASICS OF EEE (MECH/AERO/CIVIL/CHEMICAL)



19AG2104- PRINCIPLES OF FOOD SCIENCES (AGRI)  
19FT2105 - PRINCIPLES OF MICRO BIOLOGY ( FT)  
19CH2101 PRINCIPLES OF CHEMICAL ENGINEERING (CHEMICAL)  
19CS2152- ESSENTIALS OF C & C++ PROGRAMMING (CSE/EEE/EIE/ECE/BM/)  
19IT2151- PROGRAMMING IN C (IT/AUTO/AGRI/FT)  
19MT2153- BASICS OF MECHATRONICS ENGINEERING (MCTS)  
19ME2154- ENGINEERING GRAPHICS (CSE/IT/ECE/BM)  
19EE2151/19EI2151- CIRCUIT THEORY (EEE/EIE)  
19ME2001/19EE2001- ENGINEERING PRACTICES (COMMON TO ALL BRANCHES)

**Third and Fourth Semester Mathematics papers also were introduced and passed by the board of Department of Science and Humanities and permitted move on Academic council by the Department of Science and Humanities.**

**The following resolutions were made in the Board of Studies meeting:**

- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering, Electrical and Electronics Engineering boards and Electronics and Communication Engineering, Agricultural Engineering, Bio Medical Engineering, Chemical Engineering and Food Technology permitted to move on Academic Council by the BoS members of Science and Humanities for the students admitted during the academic year 2019-2020 and onwards.
- The curriculum and syllabus of Regulation 2019 for the III & IV semester Mathematics subjects for the newly introduced programmes were proposed by the Science and Humanities board and permitted to move on to Academic Council by the BoS members of Science and Humanities for the students admitted during the academic year 2019-2020 and onwards.
- New Programme Chemical Engineering was introduced in this academic year and Experts Suggested to follow the same Basic Science and Humanities papers of Non Circuit programmes.
- Language Competency course may be removed from the category of Value added course and it may be continued in the new regulation also as it enhance the employability proficiency for the students.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2019.



- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved. **The meeting ended with a vote of thanks at 01.00 pm.**

*Uma*

Chairman

Board of Studies

**Dr. K. P. UMA**  
Prof & Head

Department of Science and Humanities  
Hindusthan College of Engineering and Technology,  
Coimbatore.

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016R
3. Curriculum and Syllabi

**Copy:**

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



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Othakalmandapam Post, Coimbatore – 641 032

Date: 08.04.2019

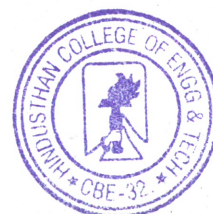
## BOARD OF STUDIES MEETING

Name of the Department: **Aeronautical Engineering**

The fourth Board of Studies meeting for the academic year 2019-20 was conducted on 08.04.2019 at 10.00 AM in the Video Conference Hall, Central Library.

The following members were present.

S. No.	Name of the Person	Department	Position
1	Mr.V.T.Gopinathan	Professor/ Head, Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology.	Chairman
2	Dr.J. Bruce Ralphin Rose	Assistant Professor, Department of Aeronautical Engineering, Anna University, Tirunelveli, Regional Campus.	University Nominee
3	Dr.R. Kannan	Associate Professor, School of Aerospace Engineering, Amrita University Coimbatore.	Academic Expert
4	Dr.P.S. Premkumar	Associate Professor, Department of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore.	Academic Expert
5	Mr.V.Alaguraj	Founder, M/s MACH ENGINEERS, Anna Nagar, Peelamedu, Coimbatore.	Industry Member
6	Mr.R.Veeramanikandan	Assistant Professor, Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology.	Member
7	Mr. Saravanan.R	Assistant Professor, Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology.	Member
8	Mrs. Vijayalakshmi.T	Assistant Professor, Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology.	Member
9	Mr. Suresh. C	Assistant Professor, Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology.	Member
10	Mr. Shelton Leo	Senior Engineer, M/s Altran Technologies, Coimbatore.	Alumni Member



- The Chairman welcomed University nominees, Subject experts, special invitees and all the internal members for the Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2016 to All the BoS members
- 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).
- The feedback received on the curriculum by the stakeholders was presented.
- Followed by, Chairman presented the suggestions given by the BoS experts and the action taken report during the Previous BoS meeting, which was held during 03.03.2018. Members of the BOS approved the same.

**Comments by Experts (for Regulation 2016 of 7th & 8th Semester):**

1. In “16AE7202- Computational Fluid Dynamics”, 25% syllabus change has been made based on the feedback of stakeholders.
2. In “16AE7402-Aerodynamics for Industrial Applications” 20% syllabus revision has been done.
3. In “16AE7302- Satellite Propulsion” 40% syllabus revision made with relevant topics.
4. Semester VII & VIII - Skill Development courses for members approval
  - 16AE7201 - Avionics
  - 16AE7002 - Avionics Laboratory
  - 16AE7702 -Technical Publication
5. Semester VII & VIII- Following Employability courses for members approval
  - 16AE7202 - Computational Fluid Dynamics
  - 16AE7001 - Aero Engine and Airframe Laboratory
  - 16AE7701 -Internship/ Industrial Training
6. The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested.
  - ANSYS
  - Autodesk
  - Mesh tools for industrial application
  - CATIA with Industrial Approach

**General Comments by the BoS Members:**

1. Suggested to verify whether bundled courses and fractional credits are permitted as per regulation.



2. For laboratory course syllabus reference has to be given as books or department manuals.
3. Standard Text and Reference books should be preferred for all subjects with recent editions.

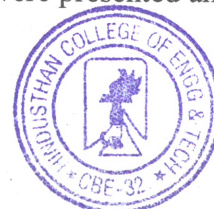
The following resolutions were made in the Board of Studies meeting,

**For Regulations 2016:**

- In almost all the courses, changes have been made as per the Local, Regional, National and Global needs.
- The curriculum and syllabus of Regulation 2016 for the III & IV semester Mathematics subjects were passed by the Science and Humanities board and permitted to move on to Academic Council by the BoS members of Aeronautical Engineering for the students admitted during the academic year 2018-2019 and onwards.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.E Aeronautical Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.
- The curriculum and syllabi of Regulation 2016 for the V & VI semester subjects of B.E Aeronautical Engineering program for the students admitted during the academic year 2017 - 2018 and onwards was permitted to move on to Academic Council.
- Based on Anna University Curriculum, the revised curriculum and syllabi for VII and VIII semesters of R2016 were introduced for the B.E Aeronautical Engineering program for the students admitted in the academic year 2016-17 and onwards and the same were presented and discussed. It was permitted to move on to the Academic Council.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated in R2016.
- The Chairman conveyed that the suggestions given by the Previous Board of Studies members are ratified and resolved.


**For Regulations 2019:**

- In almost all the courses, changes have been made as per the Local, Regional, National and Global needs.
- Based on Regulation 2016, R2019 Curriculum for I – VIII semesters of B.E, Aeronautical Engineering program was introduced for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed.



- The syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering, Electrical and Electronics Engineering boards and permitted to move on to Academic Council by the BOS members of Aeronautical Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated in R2019.

The meeting ended with a vote of thanks at 1.30 PM.

  
Chairman  
Board of Studies  
**Chairman - BoS**  
**AERO - HICET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. Curriculum and Syllabi

**Copy:**

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



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Othakalmandapam Post, Coimbatore – 641 032

Date: 05.04.2019

## BOARD OF STUDIES MEETING

Name of the Department: **Automobile Engineering**

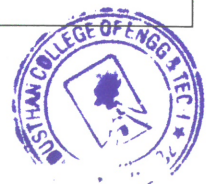
The Fourth Board of Studies Meeting for the academic year 2019 -2020 was conducted on 05.04.2019 at 11.00 a.m. at Hindusthan College of Engineering and Technology, Coimbatore in the Automobile Board Room to discuss the 7<sup>th</sup> and 8<sup>th</sup> semester syllabus of R2016 and curriculum from 1st semester to 8th semester and syllabi for 1<sup>st</sup> and 2<sup>nd</sup> semester of R2019.

The following members were present.

S.No.	Name of the Person	Department	Position
1	Dr.C.Sabarinathan	Professor and Head, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Chairman
2	Dr Jeyalakshmi P	Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
3	Dr Sankar Ganesh R	Associate Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
4	Mr. Dhayananthan N	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
5	Mr. J. Yogaraja	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member



6	Mr. Naresh Mallireddy	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
7	Mr.J.Krishnaraj	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
8	Mr.Samuel Gemsprim	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
9	Mr.S.Ragu	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
10	Mr.D.Naveenraj	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
11	Mr. Mujiburrahman K	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
12	Mr.Prabhu G	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
13	Mr.Satheesh Kumar K	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member



14	Mr.Prakash R S	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
15	Dr.C.Jegadheesan	Professor, Department of Automobile Engineering Kongu Engineering College, Erode.	Subject Expert 1
16	Dr.S.Neelakrishnan	Professor & Head Department of Automobile Engineering, PSG Tech, Coimbatore.	Subject Expert 2
17	Mr.S.Nithin Kumar	Research & Development, ATS ELGI Limited, Coimbatore – 641 021.	Representative from Industry
18	Mr.R. Karivaradharaj	Alumni – 2014-18 Batch, Automobile Engineering, Hindusthan College of Engineering and Technology, Coimbatore – 32	Alumni Member
19	Dr.M.Senthil Kumar	Professor, Department of Automobile Engineering, Anna University, MIT Campus, Chrompet, Chennai	University Nominee

The following member could not attend the meeting due to other engagements.

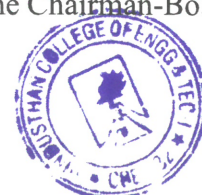
Dr.S.Neelakrishnan (Subject Expert)

Professor & Head

Department of Automobile Engineering,

PSG Tech, Coimbatore.

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the Fourth 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 during **10.03.2018** was approved.
- The feedback received on curriculum by the stakeholders was presented by the Chairman-BoS



- Chairman also gave an outline of the changes to be made in the curriculum given by the Pre-Board of Studies (Pre- BoS)/ Department Advisory Committee (DAC) and emphasized the importance of including the employability enhancement courses & Skill Development related courses in the curriculum to be in line with the industry needs.

### **Comments by Experts:**

The following changes are made in 1<sup>st</sup> semester to 8<sup>th</sup> semester syllabus based on the feedback of stakeholders.

### **REGULATION 2016:**

#### **Semester I to VI**

- No Changes

#### **Semester VII**

- The curriculum and syllabus of this semester were reviewed and accepted without any changes.

#### **Semester VIII**

- The curriculum and syllabus of this semester were reviewed and accepted without any changes.

#### **Professional Electives – III to VI**

- The curriculum and syllabus of the Professional Electives III to VI subjects were reviewed and accepted.
- In Professional Elective V – The ‘16AU8305 - Vehicle Troubleshooting and Maintenance’ subject the topic ‘cost estimation sheet’ of 2nd unit can be combined with ‘log sheets’ present in the 1st unit. A revision of 15% changes has been done.
- In the same subject, more contents on latest automotive service equipment shall be added.
- The Industrial expert Mr.G.Prabhuraja, expressed his willingness to provide insight knowledge to the students in the field of ‘Design for Manufacturing and Assembly’.

#### **Open Elective - II**

- The BOS members suggested to coin a new name for ‘16AU6401- Basics of Automobile Engineering’
- List of open Electives of other departments could have been listed in the Automobile Engineering Department Curriculum and Syllabus.

### **REGULATION 2019:**

The Board of Studies approved the curriculum from 1<sup>st</sup> semester to 8<sup>th</sup> semester and syllabi for 1<sup>st</sup> semester and 2<sup>nd</sup> semester with the following suggestions

#### **Semester I**

- No Changes



## **Semester II**

- No Changes

## **Semester III**

- The curriculum of this semester was reviewed and accepted without any change

## **Semester IV**

- The curriculum of this semester was reviewed and accepted without any change

## **Semester V**

- The curriculum of this semester was reviewed and accepted without any change

## **Semester VI**

- BoS members appreciated the introduction of the new subjects '19AU6251 - Automotive Vehicle Body and Aerodynamics'.

## **Semester VII**

- 'Vehicle Maintenance' subject may be moved from Core to Professional Elective III
- The Subjects 'Automotive Emission and Pollution Control' Subjects may be moved from professional elective III to Seventh semester core.
- The subject 'Engine and Vehicle Management Systems' may be moved to lower semester based on the convenience.

## **Semester VIII**

- The curriculum of this semester was reviewed and accepted without any change.

## **Professional Electives**

- The subject 'Computational Fluid Dynamics' included in any one of the professional Electives lists

## **General Comments**

- The name Project Phase I & II may be rephrased by Project I & II

In Semester VII & VIII - Skill Development courses introduced for member's approval.

- 16AU7001 - Engine Performance and Emission Testing Laboratory
- 16AU7002 - Vehicle Maintenance Laboratory
- 16AU7301 - Design of Jigs, Fixtures and Press Tools
- 16AU7310 - Non-Destructive Testing and Materials
- 16AU8901 - Project Work

Semester VII & VIII - Following Employability courses for member's approval

- 16AU7201 - Engine and Vehicle Management Systems
- 16AU7202 - Professional Ethics
- 16AU7303 - Automotive Emission and Pollution Control
- 16AU7304 - Advanced Theory of IC Engines



- 16AU7305 - Vehicle Dealership Management
- 16AU7306 - Operation Research
- 16AU7307 - Automotive Sensor and Embedded Systems

The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested

- AutoCAD 2 D and 3 D Modeling
- CREO
- ANSYS
- Vehicle Maintenance Procedure
- Automotive Electronics

The following resolutions were made in the Board of Studies meeting,

**For Regulations 2016:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- The syllabus of Regulation 2016 for the III & IV semester Mathematics subjects were passed by the Science and Humanities board and permitted to move on to Academic Council by the BoS members of Automobile Engineering for the students admitted during the academic year 2018-2019 and onwards.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.E Automobile Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.
- The curriculum and syllabi of Regulation 2016 for the V & VI semester subjects of B.E Automobile Engineering program for the students admitted during the academic year 2017 - 2018 and onwards was permitted to move on to Academic Council.
- Based on Anna University Curriculum, the revised curriculum and syllabi for VII and VIII semesters of R2016 were introduced for the B.E Automobile Engineering program for the students admitted in the academic year 2016-17 and onwards and the same were presented and discussed. It was permitted to move on to the Academic Council.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated in R2016.
- The Chairman conveyed that the suggestions given by the Previous Board of Studies members are ratified and resolved.



**For Regulations 2019:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- Based on Regulation 2016, R2019 Curriculum for I – VIII semesters of B.E Automobile Engineering program was introduced for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed.
- The syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering and Information Technology boards and permitted to move on to Academic Council by the BOS members of Automobile Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated in R2019.

The meeting ended with thanks by the Chairman at 12.30 p.m.

  
Chairman  
Board of Studies  
**Chairman - BoS**  
**AUTO - HICET**

**Enclose:**

1. Previous BoS Minutes-ATR
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**Copy:**

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Date: 15.04.2019

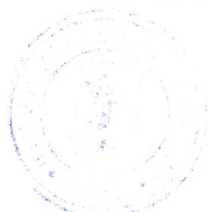
## MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **CIVIL ENGINEERING**

The fourth Board of Studies meeting of Regulation 2016 & Regulation 2019 for the academic year 2019-20 was conducted on 15.04.19 at 10.00 a.m. in the library conference hall.

The following members were present:

S.No	Name of the Person	Department	Position
1.	Dr. K. Akil	Professor and Head, Department of Civil Engineering, Hindusthan College of Engineering and Technology.	Chairman
2	Dr. S.T.Ramesh	Professor, Civil Engineering, National Institute of Technology Tiruchirappalli	University Nominee
3	Dr. V. G. Srisanthi	Professor of Civil Engineering, Coimbatore Institute of Technology. Coimbatore.	Academic Expert
4	Dr. P. D. Arumairaj	Professor & Head, Department of Civil Engineering, Karunya University, Coimbatore	Academic Expert
5	Er. J.Prabu	Sri Sujan Consortium Engineers and Builders, #67/2, First Floor, Meena Estate, 2nd Main road, Sowripalayam, Coimbatore	Industry Member
6	Dr. S. Deepa Shri	Professor Department of Civil Engineering, Hindusthan College of Engineering and Technology	Member
7	Mr. R. Senthil Kumar	Assistant Professor, Department of Civil Engineering,	Member

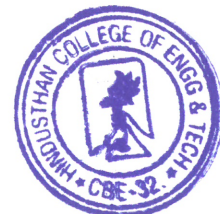
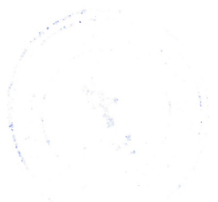


		Hindusthan College of Engineering and Technology.	
8	Mr. A. Alex Livingston Raja	Assistant Professor, Department of Civil Engineering, Hindusthan College of Engineering and Technology.	Member
9	Ms. K. Saraswathi	Assistant Professor, Department of Civil Engineering, Hindusthan College of Engineering and Technology.	Member
10	Ms. P. Subashree	Assistant Professor, Department of Civil Engineering, Hindusthan College of Engineering and Technology.	Member
11	Mr. R. Praveennath	Sri Sivan Construction, #2/68, Alampalayam, Tiruppur	Alumni Member
12	Mr. M. Murugan	F/o. Ms. M. Pooja (17103069)	Parent Member

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the fourth Board of Studies meeting.
- Chairman also gave an outline of the changes to be made in the curriculum given by Curriculum Development Cell (CDC) & Pre- Board of studies (Pre- BoS)/ Department Advisory Committee (DAC) emphasized the importance of including the employability enhancement courses & Skill Development related courses in the curriculum to be in line with the industry needs.
- The feedback received on the curriculum by the stakeholders was presented.
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting that was held during 19.03.2018. Members of the BOS approved the same.

**Comments by Experts (for Regulations 2016 of 7th & 8th Semester):**

- BoS members suggested that, “16CE7001 - Design and Drawing –II(Irrigation & Env. Engg.) Tank Surplus Weir (Type A and D) to be replaced as Tank Surplus Weir (Type A) and Cross-Drainage Works (Syphon Aqueduct type II & III) to be replaced as Cross-Drainage Works (Syphon Aqueduct type II).



- Alumni(Mr. K. Suresh Kumar) suggested that, '16CE7701 - Implant Training / Internship' the duration of the Implant Training / Internship to be changed from 6 weeks to 4 weeks.
- BoS members suggested that, "16CE8201 - Structural Dynamics and Earthquake Engineering" Pinching effect, Bouchinger effect the topics to be added in fourth unit.
- BoS members suggested that, "16CE8304 - Repair and Rehabilitation of Structures" Special concrete to be made as Unit – III and Techniques for repair and protection methods to be made as Unit – IV
- Semester VII & VIII- Following Skill Development courses for members approval
  - 16CE7001 - Design and Drawing –II (Irrigation & Environmental Engineering)
  - 16CE7307 - Disaster Resistant Structures
  - 16CE8307 - Integrated Water Resources Management

Following Employability courses for members approval

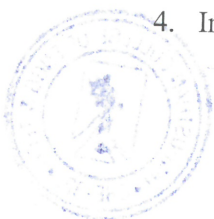
- 16CE7701 - Implant Training / Internship
- 16CE7306 - Design of Masonry and Timber Structures
- 16CE8305 - Valuation of Land and Buildings
- 16CE8308 - Rock Engineering
- 16CE8310 - Earth Retaining Structures

The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested.

- ❖ Modeling, Analysis and Design of Elements using Bentley STAAD.Pro

#### General Comments by the BoS Members:

1. Suggested to verify whether bundled courses and fractional credits are permitted as per regulation.
2. For laboratory course, syllabus reference has to be given as books or department manuals.
3. Standard Text and Reference books should be preferred for all subjects with recent editions.
4. In Open Elective, No trade Names as 'National Instruments' is allowed.



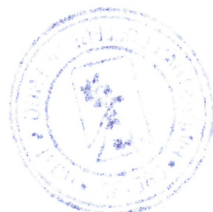
The following resolutions were made in the Board of Studies meeting,

**For Regulations 2016:**

- In almost all the courses, changes have been made as per the Local, Regional, National and Global needs.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.E Civil Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.
- The curriculum and syllabi of Regulation 2016 for the V & VI semester subjects of B.E Civil Engineering program for the students admitted during the academic year 2017 - 2018 and onwards was permitted to move on to Academic Council.
- Based on Anna University Curriculum, the revised curriculum and syllabi for VII and VIII semesters of 2016 were introduced for the B.E Civil Engineering program for the students admitted in the academic year 2016-17 and onwards and the same were presented and discussed. It was permitted to move on to the Academic Council.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated in 2016.
- Chairman conveyed that the suggestions given by the Previous Board of Studies members are ratified and resolved.

**For Regulations 2019:**

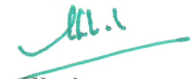
- In almost all the courses, changes have been made as per the Local, Regional, National and Global needs.
- Based on Regulation 2016, R2019 Curriculum for I – VIII semesters of B.E Civil Engineering program was introduced for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed.
- The syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering and Electrical and Electronics Engineering board and permitted to move on



to Academic Council by the BOS members of Civil Engineering for the students admitted during the academic year 2019-2020 and onwards.

- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated in R2019.

The meeting ended with a vote of thanks to the members by chairman at 01.30 P.M.

  
Chairman  
Board of Studies  
**Chairman - BoS**  
**CIVIL - HiCET**

Enclose:

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. 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 & NBA)  
Othakalmandabam Post, Coimbatore – 641 032

Date: 09.04.2019

## BOARD OF STUDIES MEETING

Name of the Department: **Computer Science and Engineering**

The Fourth Board of Studies meeting for the Regulation 2016 & Regulation 2019 in the academic year 2019-2020 was conducted on 09.04.2019 at 11.30a.m. in the CSE Seminar Hall.

The following members were present.

S.No	Name of the Person	Department	Position
1.	Dr Shankar S	Professor & Head, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology. Coimbatore – 641 032.	Chairman
2	Dr Anadhakumar	Professor & Head, Department of Information Technology, Madras Institute of Technology. Chennai – 600 044	University Nominee
3	Dr Venkatesan R	Dean-Placement, PSG College of Technology, Coimbatore	Academic Expert-1
4	Dr Nedunchezhian R	Professor, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore	Academic Expert-2
5	Dr Raj Kumar	Technical Managing Director, R&D, Robert Bosch Engineering and Business Solutions, Coimbatore	Industry Member
6	Dr Jasmine Selvakumari Jeya I	Associate Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology Coimbatore - 641 032.	Member



7	Mr Satheesh Kumar D	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology Coimbatore - 641 032.	Member
8	Dr Dhiyanesh B	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology Coimbatore - 641 032.	Member
9	Ms Ramya Devi M	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology Coimbatore - 641 032.	Member
10	Mr Arun Ramakrishnan	Associate-Projects, Cognizant Technology Solutions, Coimbatore	Alumni Member

The following member could not attend the meeting due to other engagements.

**1. Dr Raj Kumar (Industry Member)**

Technical Managing Director, R&D, Robert Bosch Engineering and Business Solutions, Coimbatore

**2. Mr Arun Ramakrishnan (Alumni Member)**

Associate – Projects, Cognizant Technology Solutions, Coimbatore.

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- Chairman informed to members that, Mr Arun Ramakrishnan have been included as a Alumni instead of Mr Dharmalingram P S.
- Chairman informed to members that, Dr Jasmine Selvakumari Jeya I, Associate Professor/CSE have been included as a member instead of Dr Deeba K, Associate Professor/CSE and Ms Ramya Devi M, Assistant Professor/CSE have been included as a member instead of Ms Kiruthiga G, Assistant Professor/CSE.
- The feedback received on curriculum by the stakeholders was presented by the Chairman-BoS
- 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) and emphasized the importance of including



the Employability Enhancement courses & Skill Development related courses in the curriculum to be in line with the industry needs.

- Followed by, Chairman presented the suggestions given by the BoS experts and the action taken report during the Previous BoS meeting which was held during **09.03.2018** was approved.

**Recommendations by BoS members (Subject Related): (Regulations 2016)**

1. Subject Expert (Dr Venkatesan R) suggested to include Higher order thinking as a case study (Ex: Create a web applications for online book store / online voting system for our district) in “16CS8302 – Web Technology” Professional elective course.
2. Subject Expert (Dr Nedunchezian R) suggested simplifying the syllabus in “16CS7310 - Artificial Intelligence”.
3. Subject Expert (Dr Venkatesan R) asked to replace Optical Networks course with some other relevant papers in Professional Elective – I. He also suggested revamping the elective papers with more number of software related papers.
4. University Nominee (Dr Anadhakumar) suggested to include one credit courses from fourth semester onwards. He also suggested reducing the total credits from 187 to 176.
5. Subject Expert (Dr Nedunchezian R) suggested including “Soft computing” as a professional elective course instead of Open Elective.
6. In “16CS7301-C# and .NET Programming”, 20% syllabus revision made with relevant topics.
7. In “16CS7302-Biometrics”, 50% syllabus change has been made based on the feedback of stakeholders.
8. In “16CS7303- E-Commerce”, 20% syllabus revision has been undertaken.
9. In “16CS7304-Wireless Sensor Networks”, 13% syllabus revision made with relevant topics.
10. In “16CS7305-Data Mining and Warehousing”, 13% syllabus revision made with relevant topics.
11. In “16CS7307- Text Mining”, 30% syllabus change has been made based on the feedback of stakeholders.
12. In “16CS7308-Soft computing”, 30% syllabus revision made with relevant topics.
13. In “16CS7309-Human Interface System Design”, 80% syllabus change has been made based on the feedback of stakeholders.
14. In “16CS7310-Artificial Intelligence”, 20% syllabus revision has been undertaken.



15. In “16CS7311-High speed Networks”, 20% syllabus revision made with relevant topics.
16. In “16CS7312-Semantic Web”, 20% syllabus revision made with relevant topics.
17. In “16CS8303-Pervasive Computing”, 30% syllabus change has been made based on the feedback of stakeholders.
18. In “16CS8304-Database Security and Privacy”, 30% syllabus revision made with relevant topics.
19. In “16CS8305-R programming”, 30% syllabus change has been made based on the feedback of stakeholders.
20. In “16CS8306-Database Tuning”, 40% syllabus revision made with relevant topics.
21. In “16CS8307-Visual Programming”, 10% syllabus revision made with relevant topics.
22. In “16CS8309-High Performance Computing”, 40% syllabus change has been made based on the feedback of stakeholders.
23. In “16CS8310-Management Information system”, 15% syllabus revision made with relevant topics.
24. In “16CS8312-Big data Analytics”, 20% syllabus change has been made based on the feedback of stakeholders.
25. Semester VII & VIII - Skill Development courses for members approval
  - 16CS7201 - Cryptography And Network Security
  - 16CS7203 - Mobile Computing
  - 16CS8305 - R Programming
  - 16CS5304 - Information Storage Management
  - 16CS7301 - C# And .Net Programming
  - 16CS7302 – Biometrics
  - 16CS7310 - Artificial Intelligence
  - 16CS8302 - Web Technology
26. Semester VII & VIII- Following Employability courses for members approval
  - 16CS7202 - Cloud Computing
  - 16CS5301 - Advanced Java Programming
  - 16CS8308 - Software Testing
  - 16CS8312 - Big Data Analytics

**Recommendations by BoS members (Subject Related) (for Regulations 2019):**

- In “19CS1151-Python programming and practices”, 20% syllabus change has been made based on the feedback of stakeholders.



- In “19CS2152-Essentials of C and C++ programming”, 20% syllabus revision made with relevant topics
  1. University Nominee (Dr. P.Anandhakumar) suggested to remove Material Science from the second semester since this will be not be a constructive course for the engineering students. Advisor sir said it is there in the AICTE model curriculum and that is the reason included in the second semester. He also said it is necessary to give certain credits for S&H.
  2. University Nominee (Dr. P. Anadhakumar) said Environmental Science can be given as a mandatory and no credit course.
  3. Subject Expert (Dr. Neduchelizan) enquired why python is introduced in the first year. Advisor sir said Python is an easiest programming language to learn and to understand so we have introduced in the first year. He also said for computer science students one programming language course is introduced in all the semesters. Python programming is common across all the branches.
  4. University Nominee (Dr. P. Anadhakumar) enquired about the Project Phase I, Project work and Internship training and asked why only 1 credit is given to Internship.
  5. Advisor (Dr.S.Annadurai) said students those who are not interested in finding complex problems will do mini project in Project Phase I and another problem in Project work. He also said Internship will be undergone by the students in the industry and how trustworthy a student completes the work is not aware by the institution. So for the Internship only one credit is allocated.
  6. Subject Expert (Dr. Venkatesan) suggested changing Project work as Project Phase II.
  7. Subject Expert (Dr. Nedunchelizan) requested to include any of the following as the elective course
    - a. Unix internals
    - b. Responsive web design
    - c. Block chain technology
    - d. Knowledge engineering
    - e. Soft computing
  8. Subject Expert (Dr.Venkatesan) suggested having a single programming language for each semester. In the second semester C and C++ were combined together and given as a single course. It can be provided as two separate courses since C and C++ plays vital role in the CS students during placement.



9. Semester I & II - Skill Development courses for members approval

- 19CS1151 - Python Programming and Practices
- 19CS2152 – Essentials of C & C ++ Programming

10. The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested.

- Concepts In Machine Learning
- Foundations Of Security In Computing
- Network Security
- C Programming
- Java Programming

#### **General Comments by the BoS Members:**

1. Subject Expert (Dr. Venkatesan) enquired regarding the mandatory course and Advisor sir said it is audit course with no credits. Two hours will be allocated for that course and students have to mandatorily complete it.
2. Subject Expert (Dr. Venkatesan) suggested referring gate syllabus to frame the course syllabus so that it will be beneficial for the students for the placement and competitive examinations.
3. Subject Expert (Dr. Neduchelizan) asked to reconfirm the theory and practical hours allocated for the Theory courses which has laboratory component.
4. Subject Expert (Dr. Venkatesan) asked if a particular student is absent for that course throughout the semester what actions will be taken. Advisor sir said this course as similar as other and student fails to attend he should reappear.
5. University Nominee (Dr. P.Anandhakumar) asked to update the edition and provide latest version or reprint year of the text and reference books in the syllabus.
6. Subject Expert (Dr.Venkatesan) requested to change instructional hours to instructional periods in the syllabus.

The following resolutions were made in the Board of Studies meeting,

#### **For Regulations 2016:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.E Computer Science and Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.



- The curriculum and syllabi of Regulation 2016 for the V & VI semester subjects of B.E Computer Science and Engineering program for the students admitted during the academic year 2017 - 2018 and onwards was permitted to move on to Academic Council.
- Based on Anna University Curriculum, the revised curriculum and syllabi for VII and VIII semesters of Regulation 2016 were introduced for B.E Computer Science and Engineering program for the students admitted in the academic year 2016-17 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

**For Regulations 2019:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- Based on Regulation 2016, Regulation 2019 Curriculum for I – VIII semesters of B.E, Computer Science and Engineering program was introduced for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed.
- The syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Mechanical Engineering, Electronics and Communication Engineering boards and permitted to move on to Academic Council by the BOS members of Computer Science and Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the I semester subjects- 19EC1154 – Basics of Electron Devices and Electric Circuits was introduced and passed by the Electronics and Communication Engineering board and permitted to move on Academic Council by the BoS members of Computer Science and Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19ME2001- Engineering Practices Laboratory & 19ME2154- Engineering Graphics were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of Computer Science and Engineering for the students admitted during the academic year 2019-2020 and onwards.



- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be forwarded to Science and Humanities, Mechanical Engineering, Electronics and Communication Engineering boards incorporated in Regulation 2019.

The meeting ended with thanks by the Chairman at 2.00 P.M.



Chairman

Board of Studies

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. Curriculum and Syllabi

**Copy:**

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

**Chairman - BoS  
CSE - HICET**



# 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 & NBA)  
Othakalmandapam Post, Coimbatore – 641 032

Date: 11.04.2019

## BOARD OF STUDIES MEETING

Name of the Department: Electrical and Electronics Engineering

The Fourth Board of Studies meeting for Regulation 2016 & Regulation 2019 for the academic year 2019-20 was conducted on 11.04.2019 at 10.00 AM in the video Conference Hall, Central Library.

The following members were present.

S.No.	Name of the Person	Department	Position
1.	Dr.N.P. Ananthamoorthy	Professor & Head, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641 032.	Chairman
2	Dr. R.L. Josephine	Assistant Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli-620 015.	University Nominee
3	Dr. L. Ashok Kumar	Professor, Department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore - 641 004.	Academic Expert
4	Dr. S. Balamurugan	Professor & Chairperson, Electrical and Electronics Engineering, Amrita Vishwa Vidyapeetham School of Engineering, Coimbatore-641 112	Academic Expert
5	Er. R. Shantharam	Managing Director, Electronic Signals & Controls, New No.7, V.K.R. Nagar, Vilankurichi Road, Coimbatore - 641 004.	Industry Member
6	Mr. R. ShanmughaPrabu	Branch Manager, Sew- Eurodrive India Private Limited, 687, Sri Sakthivel Towers, 1 <sup>st</sup> Floor, Trichy Road, Ramanathapuram, Coimbatore- 641 045.	Alumni Member
7	Dr. K.Sekar	Associate Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore.	Member
	Dr. R. Rajesh Kanna	Assistant Professor, Department of Electrical and Electronics Engineering,	Member



		Hindusthan College of Engineering and Technology, Coimbatore.	
9	Mr. M.P.Viswanathan	Assistant Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore.	Member
10	Mr. G.Muthuram	Assistant Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore.	Member

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- The chairperson gave a brief overview of the key features of Regulation 2016 & Regulation 2019 to all members of the Board of Studies.
- Chairman presented the suggestions given by the experts and the action taken report of the previous BoS meeting held on 16.03.2018. Members of the BoS approved the same.
- The feedback received on the curriculum by the stakeholders was presented by the Chairman-BoS.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Pre- Board of Studies (Pre- BoS)/ Department Advisory Committee (DAC) and emphasized the importance of including the employability enhancement courses & Skill Development related courses in the curriculum to be in line with the industry needs
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting.

**Comments by Experts (for Regulation 2016 of 7th & 8th Semester):**

1. In “Solid State Drives 16EE7201”; experts suggested to add V/f and slip power recovery scheme in unit-III and application of PI, PID controller to drive in unit V.
2. In “16EE7201 Solid State Drives”
  - a) Closed loop speed control for DC motors may be included in unit II.
  - b) Include application of PI & PID controllers for specific case studies in unit V.
3. Unit-I and unit-V to be modified based on Power Plant Engineering in “16EE7202- Electric Energy Utilization and Conservation”.



4. In “16EE7203-Power System Operation and Control”, straight line and exponential curve fitting techniques to be included.
5. In 16EE8301 – Application of Power Electronics for Renewable Energy Systems: For including Higher Order Thinking “A case study on Applications of power electronics switches in renewable energy systems” may be included in unit V.
6. In 16EE8306- Industrial Electronics, 20% syllabus revision made with relevant topics.
7. Following Skill development courses are introduced for members’ approval.
  - 16EE7001 - Drives and Control Laboratory
  - 16EE7201- Solid State Drives
  - 16EE7202 - Electrical Energy Utilization and Conservation
8. Following Employability courses are introduced for members’ approval.
  - 16EE7302 - Micro Electro Mechanical Systems
  - 16EE7305 - Advanced Control Theory
9. The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested.
  - Hands on Training on Proteus
  - Advanced Power Electronics
  - Domestic AC Motor Dismantling and Assembling
  - Smart Phone Servicing
  - Simulation of e SIM for electric circuits

**Comments by Experts (for Regulation 2019):**

1. In “19EE2103-Basics of Electrical and Electronics Engineering”
  - (i) Unit-I the title may be changed as “Electric circuits and measurements”, energy meter topic can be included.
  - (ii) Unit-II includes the topic “Three phase induction motor and its Applications”.
2. In “19EE2151-Circuit Theory”, Unit-II the title can be modified as Network reduction and Network theorems for DC Circuits.
3. In “19EE2151-Circuit Theory” lab components include experiments related to simulation.



### **General Comments by the BoS Members:**

1. Suggested to verify whether bundled courses and fractional credits are permitted as per regulation.
2. For laboratory course syllabus reference has to be given as books or department manuals.
3. Standard Text and Reference books should be preferred for all subjects with recent editions.

The following resolutions were made in the Board of Studies meeting,

### **For Regulations 2016:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.E Electrical and Electronics Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.
- The curriculum and syllabi of Regulation 2016 for the V & VI semester subjects of B.E Electrical and Electronics Engineering program for the students admitted during the academic year 2017 - 2018 and onwards was permitted to move on to Academic Council.
- Based on Anna University Curriculum, the revised curriculum and syllabi for VII and VIII semesters of Regulation 2016 were introduced for B.E Electrical and Electronics Engineering program for the students admitted in the academic year 2016-17 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.
- Chairman conveyed that, the suggestions given by the Board of Studies members are to be incorporated in Regulation 2016.
- Chairman conveyed that, the suggestions given by the Previous Board of Studies members are ratified and resolved.

### **For Regulations 2019:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- Based on Regulation 2016, R2019 Curriculum for I – VIII semesters of B.E, Electrical and Electronics Engineering program was introduced for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed.
- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering and Mechanical Engineering boards and permitted to move on Academic Council by the BoS members of Electronics and Instrumentation Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I semester subjects- 19HE1101, 19MA1101, 19MA1102, 19MA1103, 19PH1151, 19CY1151 and 19HE1071 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Electrical and Electronics Engineering for the students admitted during the academic year 2019-2020 onwards.



- Syllabus of Regulation 2019 for the II semester subjects- 19HE2101, 19MA2101, 19MA2102, 19MA2103, 19MA2104, 19PH2151, 19CY2151 and 19HE2071 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members Electrical and Electronics Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19CS1151- Python Programming and Practices & 19CS2152- Essentials of C & C++ programming were introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of Electrical and Electronics Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19ME1152- Engineering Drawing, 19ME2001- Engineering Practices Laboratory were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of Electrical and Electronics Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Chairman conveyed that, the suggestions given by the Board of Studies members are to be forwarded to Science and Humanities, Computer Science and Engineering and Mechanical Engineering are incorporated in R2019.

The meeting ended with thanks by the Chairman at 12.00 P.M.

  
Chairman

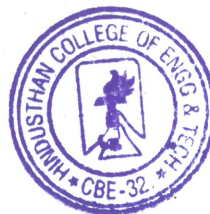
Board of Studies

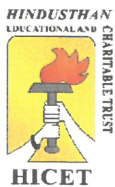
**Enclose:**

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4. 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 & NBA)  
Othakalmandapam Post, Coimbatore – 641 032

Date : 12.04.2019

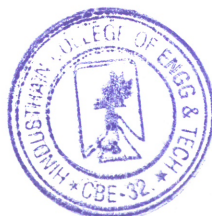
### **MINUTES OF BOS MEETING**

Name of the Department: **Electronics and Communication Engineering**

The Fourth Board of Studies meeting of Regulation 2016 & Regulation 2019 for the academic year 2019-20 was conducted on 12.04.19 at 10.30 am in Hindusthan College of Engineering and Technology in the Board room.

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr.P.Rajeswari	Professor and Head, Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore.	Chairman
2	Dr.S.Subha Rani,	Professor, Department of Electronics and Communication, PSG College of Technology, Coimbatore.	University Nominee
3	Dr. C.Vasanthanayaki,	Professor and Head, Department of Electronics and Communication, Government College of Engineering, Salem	Subject Expert
4	Dr. S.Uma Maheswari,	Professor, Department of Electronics and Communication, Coimbatore Institute of Technology, Coimbatore	Subject Expert
5	Mr.M.Vijayakumar,	Facility Development and Automation Head, Facility Development and Automation, Roots Industries India Limited, Coimbatore.	Industry Expert
6	Dr.R.Sabitha	Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore.	Member
7	Dr. P.Vijayalakshmi	Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore.	Member



8	Dr.A.Kishore kumar	Associate Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore	Member
9	Mr.P.F.Khalelur Rahiman	Associate Professor Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore.	Member
10	Ms.K.Rameena Sri,	Senior SW Engineer, Robert Bosch Engg and Business Solution Ltd, Coimbatore.	Alumni

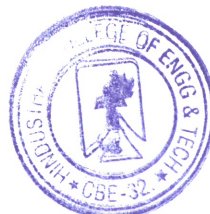
The following member could not attend the meeting due to other engagements.

Ms.K.Rameena Sri,  
Senior SW Engineer,  
Robert Bosch Engg and Business Solution Ltd,  
Coimbatore.

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- The chairperson gave a brief overview of the key features of Regulation 2016 & Regulation 2019 to all members of the Board of Supervisors.
- 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) and emphasized the importance of including the employability enhancement courses & Skill Development related courses in the curriculum to be in line with the industry needs
- The feedback received on curriculum by the stakeholders was presented.
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 12.03.2018. Members of the BOS approved the same.

**Comments by Experts (for Regulation 2016 of 7th & 8th Semester):**

- 1) Subject expert (Dr. C.Vasanthanayaki) suggested to restructure the V unit of the subject 16EC7201-Embedded and Real Time Systems.



### Comments by Experts (for Regulations 2019):

1. University nominee Dr.S.Subha Rani, suggested to convert the subject 19ECXXXX Electron devices and Electric circuits in semester I into 'Basics of Electrical Engg' in semester I and 'Electron devices' in Semester II.
  2. Subject expert Dr. S.Uma Maheswari suggested to structure the curriculum with the number of theory and Lab as 6+2 or 5+3.
  3. Subject expert Dr. C.Vasanthanayaki suggested to include 'Measurements and Instrumentation' as Professional core paper by reducing the additional credits given to tutorial papers.
  4. University nominee Dr.S.Subha Rani suggested to reduce the credits in 7<sup>th</sup> and 8<sup>th</sup> semesters and increase in III -VI semesters.
  5. Subject expert Dr. C.Vasanthanayaki suggested to increase the number of professional electives to 6.
  6. Subject expert Dr. S.Uma Maheswari suggested that Course Objectives may be more general in a single line and course outcomes being more specific starting with an active verb. The course outcomes should be able to map with the Program outcomes from PO1 to PO12.
- ❖ Chairman highlighted the inclusion of employability enhancement courses in the curriculum.

The following employability courses are introduced for members' approval.

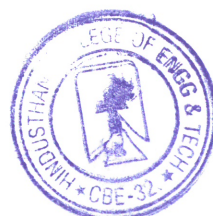
1. 16EC7001 - Embedded systems lab
2. 16EC7002 - Optical Communication and microwave lab.
3. 16EC7201 - Embedded and Real Time Systems

The following skill development courses are introduced for members' approval.

1. 16EC7303 - High speed Networks
2. 16EC7304 - Internet and Java
3. 16EC7305 - Mobile Communication

- ❖ The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested.

1. Embedded Training Module
2. System Design Using Cadence
3. Introduction to Tinkercad tool
4. PCB Designing



## 5. Introduction to Networking

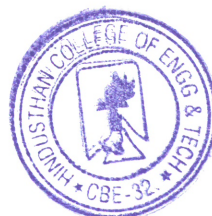
### **General Comments by the BoS Members:**

1. For laboratory course syllabus reference has to be given as books or department manuals.
2. Standard Text and Reference books should be preferred for all subjects with recent editions.
3. The vision, PEO and PSO statements have been reframed in line with the changes made in the 2019 regulation curriculum.

The following resolutions were made in the Board of Studies meeting,

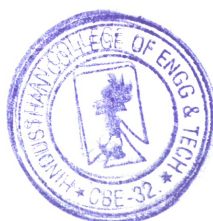
### **For Regulations 2016:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.E Electronics and Communication Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.
- The curriculum and syllabi of Regulation 2016 for the V & VI semester subjects of B.E Electronics and Communication Engineering program for the students admitted during the academic year 2017 - 2018 and onwards was permitted to move on to Academic Council.
- Based on Anna University Curriculum, the revised curriculum and syllabi for VII and VIII semesters of Regulation 2016 were introduced for B.E Electronics and Communication Engineering program for the students admitted in the academic year 2016-17 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated in Regulation 2016.
- Chairman conveyed that the suggestions given by the Previous Board of Studies members are ratified and resolved.



### **For Regulations 2019:**

- In almost all the courses, changes have been made as per the Local, Regional, National and Global needs.
- Based on Regulation 2016, R2019 Curriculum for I – VIII semesters of B.E Electronics and Communication Engineering program was introduced for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed.
- The curriculum and syllabi of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering boards and permitted to move on Academic Council by the BoS members of Electronics and Communication Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabi of Regulation 2019 for the I semester subjects- 19HE1101, 19MA1103, 19PH1151, 19CY1151 and 19HE1071 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Electronics and Communication Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabi of Regulation 2019 for the II semester subjects- 19HE2101, 19MA2103, 19PH2151, 19CY2151 and 19HE2071 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Electronics and Communication Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabi of Regulation 2019 for the I & II semester subjects- 19CS1151- Python Programming and Practices & 19CS2152- Essentials of C & C++ programming were introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of Electronics and Communication Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabi of Regulation 2019 for the I & II semester subjects- 19ME2154- Engineering Graphics, 19ME2001- Engineering Practices Laboratory were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the



BoS members of Electronics and Communication Engineering for the students admitted during the academic year 2019-2020 and onwards.

- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated.

The meeting ended with vote of thanks to the members by the Chairman at 12.30 P.M.



**Chairman  
Board of Studies**

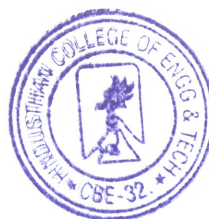
**Chairman - BoS  
ECE - HiCET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. 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 & NBA)  
Othakalmandapam Post, Coimbatore – 641 032

Date: 05.04.2019

## BOARD OF STUDIES MEETING

Name of the Department: **Electronics and Instrumentation Engineering**

The Fourth Board of Studies meeting for Regulation 2016 & Regulation 2019 for the academic year 2019-20 was conducted on 05.04.2019 at 10.00 AM in the Video Conference Hall, Central Library.

The following members were present.

S.No	Name of the Person	Department	Position
1.	Dr.B.Anand	Professor / Head, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Chairman
2	Dr.T.AruldossAlbert Victoire	Associate Professor, Department of EEE, Anna University Regional Campus, Coimbatore.	University Nominee
3	Dr.J.Arunshankar	Professor & Head Dept. of Instrumentation & Control Systems Engg.PSG College of Technology, Coimbatore.	Academic Expert
4	Dr. K. Srinivasan	Professor & Head, Department of EIE, Sri Ramakrishna Engineering College, Coimbatore	Academic Expert
5	Mr.J.Senthil Prakash	Technical Head, Spark Drives & Automation, Coimbatore	Industry Member
6	Dr. R.MadhuSudhanan Associate Professor	Assistant Professor, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Member
7	Mr.R.Vinoth Kumar Assistant Professor	Assistant Professor, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Member
8	Mr.D.Deivasigamani Assistant Professor	Assistant Professor, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Member
9	Mr.E.Gowthaman Assistant Professor	Assistant Professor, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Member



10.	Mr.S.Jayaprakash	Engineer Trainee, Team Best Theatronics Asia Pvt Ltd, Chennai	Alumni Member
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The following member could not attend the meeting due to other engagements.

1. Mr.S. Jayaprakash (Alumni Member), Engineer Trainee, Team Best Theatronics Asia Pvt Ltd, Chennai

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- The chairperson gave a brief overview of the key features of Regulation 2016 & Regulation 2019 to all members of the Board of Studies.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Pre- Board of Studies (Pre- BoS)/ Department Advisory Committee (DAC) and emphasized the importance of including the employability enhancement courses & Skill Development related courses in the curriculum to be in line with the industry needs.
- The feedback received on curriculum by the stakeholders was presented.
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 12.03.2018, was approved.

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

1. In “16EI7201- Computer Control of Process”, 35% syllabus change has been made based on the feedback of stakeholders.
2. In “16EI7202- Industrial Data Networks”, 20% syllabus revision made with relevant topics.
3. In “16EI7203- Programmable Logic and Distributed Control System”, 20% syllabus revision has been undertaken.
4. In “16EI7001- Computer Control of Process and Simulation Laboratory”, 15% syllabus change has been made based on the feedback of stakeholders.
5. In “16EI7002- Instrumentation System Design Laboratory”, 30% syllabus change made based on experts comments.
6. In “16EI7301- Fiber Optics and Laser Instrumentation”, 25% syllabus revision made with relevant topics.
7. In “16EI7302- Adaptive Control and System Identification”, 30% syllabus revision has been carried out.



8. In “16EI7303- Instrumentation in Cement and Steel Industries”, 20% syllabus revision made with relevant topics.
9. In “16EI7304- Telemetry and Telecontrol”, 25% syllabus revision made with relevant topics.
10. In “16EI7305- Instrumentation in Paper Industries”, 20% syllabus revision made with relevant topics.
11. In “16EI7306- Micro Electro Mechanical Systems”, 25% syllabus revision has been carried out.
12. In “16EI7307- Non- Linear Control System”, 20% syllabus revised based on feedback from stake holders.
13. In “16EI7308- Sensor Technology”, 30% syllabus revision has been carried out.
14. In “16EI8301- Instrumentation System Design” 20% syllabus revision made with relevant topics.
15. In “16EI8302- Microcontroller Based System Design” 30% syllabus revision made with relevant topics.
16. In “16EI8303- Robotics and Automation” 20% syllabus revision has been undertaken.
17. In “16EI8304- Nuclear Power Plant Instrumentation” 30% syllabus revision made with relevant topics.
18. In “16EI8305- Environmental Instrumentation” 20% syllabus revision made with relevant topics.
19. In “16EI8306- Safety Instrumentation System” 20% syllabus revised based on feedback from stake holders.
20. In “16EI8307- Instrumentation Systems for Disaster Management” 30% syllabus revision has been carried out.
21. In “16EI7402- Electrical Energy Management” 25% syllabus revision made with relevant topics.
22. In “16EI4205- Industrial Instrumentation- I” 20% syllabus revised based on feedback from stake holders.
23. In “16EI6201- Process Control” 20% syllabus revision has been done.
24. In “16EI6304- Instrumentation in Petrochemical Industries” 20% syllabus revision made with relevant topics.
25. In Semester VII & VIII - Following Employability Enhancement Courses introduced for member’s approval.
  - a. 16EI7202- Industrial Data Networks
  - b. 16EI7701- Internship / Industrial Training
  - c. 16EI8901- Project Work



26. In Semester VII & VIII - Following Professional Elective Courses are introduced for member's approval.

- a. 16EI7301- Fiber optics and Laser Instrumentation
- b. 16EI7302- Adaptive Control and System Identification
- c. 16EI7303- Instrumentation in Cement and Steel Industries
- d. 16EI7304- Telemetry and Telecontrol
- e. 16EI7305- Instrumentation in Paper Industries
- f. 16EI7306- Micro Electro Mechanical Systems
- g. 16EI7307- Non-Linear control system
- h. 16EI7308- Sensor Technology
- i. 16EI8301- Instrumentation System Design
- j. 16EI8302- Microcontroller Based System Design
- k. 16EI8303- Robotics and Automation
- l. 16EI8304- Nuclear Power Plant Instrumentation
- m. 16EI8305- Environmental Instrumentation
- n. 16EI8306- Safety Instrumentation System
- o. 16EI8307- Instrumentation System for Disaster Management
- p. 16EI8308- Professional Ethics in Engineering

27. In Semester VII - Following Open Elective Course is introduced for member's approval.

- o 16EI7402 - Electrical Energy Management

28. In R2019 - Semester I & II - Following Skill Development courses introduced for member's approval.

- a. 19HE1071 - Language Competency Enhancement Course - I
- b. 19HE1072 - Carrier Guidance Level - I
- c. 19HE2071 - Language Competency Enhancement Course - II
- d. 19HE2072 - Carrier Guidance Level - II

29. The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested.

- Nano Technology
- Non Destructive Testing
- Robotics And Machine Vision
- Virtual Instrumentation And Human Machine Interface
- Mems And Microsystems



**General Comments by the BoS Members:**

1. Suggested to verify whether bundled courses and fractional credits are permitted as per regulation.
2. For laboratory course syllabus reference has to be given as books or department manuals.
3. Standard Text and Reference books should be preferred for all subjects with recent editions.
4. In Open Elective, no trade names as 'National Instruments' is allowed.

The following resolutions were made in the Board of Studies meeting,

**For Regulation 2016:**

- In almost all the courses, changes have been made as per the Local, Regional, National and Global needs.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.E Electronics and Instrumentation Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.
- The curriculum and syllabi of Regulation 2016 for the V & VI semester subjects of B.E Electronics and Instrumentation Engineering program for the students admitted during the academic year 2017 - 2018 and onwards was permitted to move on to Academic Council.
- Based on Anna University Curriculum, the revised curriculum and syllabi for VII and VIII semesters of Regulation 2016 were introduced for B.E Electronics and Instrumentation Engineering program for the students admitted in the academic year 2016-17 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.
- Chairman conveyed that, the suggestions given by the Board of Studies members are to be incorporated in Regulation 2016.
- Chairman conveyed that, the suggestions given by the Previous Board of Studies members are ratified and resolved.

**For Regulation 2019:**

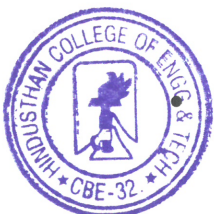
- In almost all the courses, changes have been made as per the Local, Regional, National and Global needs.
- Based on Regulation 2016, R2019 Curriculum for I – VIII semesters of B.E., Electronics and Instrumentation Engineering program was introduced for the students



admitted in the academic year 2019-20 and onwards and the same were presented and discussed.

- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering, Electrical and Electronics Engineering boards and permitted to move on Academic Council by the BoS members of Electronics and Instrumentation Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I semester subjects- 19HE1101, 19MA1103, 19PH1151, 19CY1151 and 19HE1071 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Electronics and Instrumentation Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19HE2101, 19MA2102, 19PH2151, 19CY2151 and 19HE2071 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Electronics and Instrumentation Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19CS1151- Python Programming and Practices & 19CS2152- Essentials of C & C++ programming were introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of Electronics and Instrumentation Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19ME1152- Engineering Drawing, 19ME2001- Engineering Practices Laboratory were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of Electronics and Instrumentation Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19EE2151- Circuit Theory & 19EE2001- Engineering Practices Laboratory were introduced and passed by the Electrical and Electronics Engineering board and permitted to move on Academic Council by the BoS members of Electronics and Instrumentation Engineering for the students admitted during the academic year 2019-2020 onwards

Chairman conveyed that, the Suggestions given by the Board of Studies members are to be forwarded to Science and Humanities, Computer Science and Engineering,



Mechanical Engineering and Electrical and Electronics Engineering Boards and incorporated in R2019.

The meeting ended with a vote of thanks at 12.30 P.M.



**Chairman**

**Board of Studies**

**Chairman - BoS  
EIE - HICET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. 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

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Othakalmandabam Post, Coimbatore – 641 032

Date: 29-04-2019

**Academic Year: 2019-2020**

## Fourth Board of Studies Meeting Minutes

The Fourth Board of Studies meeting of Regulation 2016 & Regulation 2019 for the Academic year 2019-2020 was conducted on 29.04.2019 at 11.00 a.m. in the Video Conference Hall, Central Library.

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr. K. Siva	Professor and Head, Mechanical Engineering Department, Hindusthan College of Engineering and Technology	Chairman
2	Dr. V. Prabhuraja	Associate Professor, Department of Manufacturing Engineering, PSG College of Technology, Coimbatore.	University Nominee
3	Dr. K. Marimuthu	Professor, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore.	Subject Expert 1
4	Dr. K. Ramesh Kumar	Professor Department of Mechanical Engineering, Amirta School of Engineering, Coimbatore.	Subject Expert 2
5	Dr. M. Kanthababu	Professor, Department of Mechanical Engineering, Anna University, Chennai.	Subject Expert 3
6	Mr. N. Sampathkumar	AGM Training & Development, Roots Industries India Ltd, Coimbatore.	Representative from Industry
7	Dr. M. Mohanraj	Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology	Member
8	Dr. J. Manikandan	Associate Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
9	Dr. P. Jeyalakshmi	Associate Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
10	Dr. S. Kannan	Assistant Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
11	Mr. P. Vigneshwar	Pie Bags Pvt Ltd	Alumni



12. Industry Representative (Mr. N. Sampathkumar) suggested that, Add Electric vehicle topic in Unit V of “16ME8306 - Two and Three Wheeler Vehicle Technology”.
13. Subject Expert (Dr. K. Marimuthu) suggested that, E- Vehicles in campus and on roads to be added and also Remove the vehicles brand names of “16ME8306 - Two and Three-Wheeler Vehicle Technology”.
14. Semester VII & VIII - Skill Development courses for members approval
  - 16ME7001 - Comprehension Lab
  - 16ME7203 - Principles of Management
  - 16ME7305 - Industrial Robotics and Expert Systems
  - 16ME7301 - Design of Jigs, Fixtures and Press Tools
15. Semester VII & VIII- Following Employability courses for members approval
  - 16ME8310 - Heating, Ventilation and Air Conditioning Systems
  - 16ME8902 - Project Work – Phase II
  - 16ME8305 - Logistics and Supply Chain Management
  - 16ME7201 - Entrepreneurship and Business Concepts
16. Semester VII & VIII- Following Entrepreneurship courses for members approval
  - 16ME8308 - Hybrid Vehicles


**Recommendations by BoS members (Subject Related) (For Regulations 2019):**

1. In “19ME2101 Engineering Mechanics”, 15% Syllabus revision made with relevant topics.
2. In “19ME1152 Engineering Drawing”, 20% syllabus change has been made based on the feedback of stakeholders.
3. Pre- BoS/ DAC suggested to introduce 19EE2103- Basics of Electrical and Electronics Engineering.
4. University Nominee (Dr. V. Prabhuraja) suggested that, In First semester “19ME1152 -Engineering Drawing” syllabus, the exercises should be related to Mechanical components.
5. Subject Expert (Dr. K. Marimuthu) suggested the following changes in “19MA1102 - Calculus and Linear Algebra” in semester I,
  - Mechanical applications to be mentioned in unit-1. Examples of maxima and minima (minimization of weight, maximization of pump efficiency).
  - Mechanical models for green theorem to be incorporated in unit – 3.
  - Eigen values: examples of natural frequency of mechanical components to be mentioned in unit-5.
  - In Hamilton theorem FEA applications can be mentioned.



the BOS members of Mechanical Engineering for the students admitted during the academic year 2019-2020 and onwards.

- Syllabus of Regulation 2019 for the I semester subjects- 19CS1151- Python Programming and Practices were introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of Mechanical Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19ME1152- Engineering Drawing, 19ME2101- Engineering Mechanics were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of Mechanical Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the II semester subject- 19EE2103 - Basics of Electrical and Electronics Engineering were introduced and passed by the Electrical and Electronics Engineering board and permitted to move on Academic Council by the BoS members of Mechanical Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be forwarded to Science and Humanities Board and incorporated in Regulation 2019. The meeting ended with thanks by the Chairman at 1.30 P.M.

  
**Chairman**  
**Board of Studies**  
**Chairman - BoS**  
**MECH - HICET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. 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  
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Othakalmandapam Post, Coimbatore – 641 032

Date: 05.04.2019

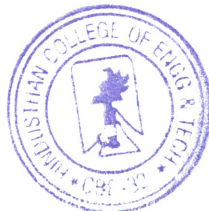
## MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **Mechatronics Engineering**

The Fourth Board of Studies meeting of Regulation 2016 & R2019 for the academic year 2019-20 was conducted on 05.04.2019 at 11.30 a.m. in the Video Conference Hall, Central Library.

The following members were present:

S.No.	Name of the Person	Department	Position
1	Dr.S.J. Narmadha	Professor / Head, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology.	Chairman
2	Dr. M. Saravana Mohan	Professor, Department of Mechatronics Engineering, Kumaraguru College of Technology, Coimbatore	University Nominee
3	Dr. John Alexis	Professor, Department of Automobile Engineering, Kumaraguru College of Technology, Coimbatore	Subject Expert 1
4	Dr.S. AllinChriste	Professor, Department of Electronics and Communication Engineering, PSG College of Technology, Coimbatore	Subject Expert 2
5	Mr.M. Easwaran	General Manager, Vivin Controllers, Coimbatore	Representative from Industry
6	Dr.T. Venugopal	Assistant Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore.	Member
7	Mr. Pradeep Johnson	Assistant Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore.	Member
8	Mr.S. PremAnand	Assistant Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Member



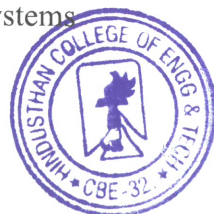
9	Mr.G. Thilak	Assistant Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Member
10	S. Rajakumar	Alumnus/ Mechatronics Engineering	Alumni Member

- The Chairman welcomed University nominee, Subject experts, special invitees and all the internal members for the Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2016 & Regulation 2019 to all the BoS members
- 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).
- The feedback received on curriculum by the stakeholders was presented.
- Followed by, Chairman presented the suggestions given by the BoS experts and the action taken report during the Previous BoS meeting, which was held during 10.03.2018, was approved.

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

- In “16MT7201 - Design of Mechatronics Systems”, 25% syllabus revision made with relevant topics.
- In “16MT7202 - Robotics and Machine Vision”, 20% syllabus change has been made based on the feedback of stakeholders.
- In “16MT7305 - Intelligent Manufacturing System”, 25% syllabus revision has been undertaken.
- In “16MT7001 - Robotics Laboratory”, 25% syllabus change has been made based on the feedback of stakeholders.
- In “16MT8308 - Non-Conventional Energy Sources”, 40% syllabus change has been made based on the feedback of stakeholders.
- In “16MT8311 - Textile Automation”, 25% syllabus change has been made based on the feedback of stakeholders.
- In “19MT2153-Basics of Mechatronics Engineering”, 40% syllabus change has been made based on the feedback of stakeholders.
- Skill Development courses introduced for member’s approval.
  - 16MT7301- MEMS and Microsystems

*S. Daemall*



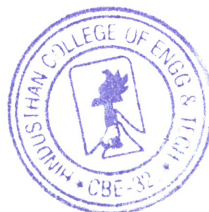
- 16MT7303- Six Sigma and Lean Manufacturing
- 19MT2153 - Basics of Mechatronics Engineering
- Following Employability courses for members approval
  - 16MT7001-Robotics Laboratory
  - 16MT7202-Robotics and Machine Vision
  - 16MT7308-Computer Control of Manufacturing System
- The following value added and certificate course with the duration of minimum 30 hrs is introduced as suggested.
  - Solid Works

### **General Recommendation**

- University Nominee suggested to include a common sentence “The students will be able to” before course outcome for all subjects.

### **The following resolutions were made in the Board of Studies meeting:**

- In almost all the courses, changes have been made as per the Local, Regional, National and Global needs.
- The Regulation, Curriculum and Syllabus of semester VII & VIII for the students admitted in the academic year 2016-2017 onwards is forwarded by the Board of Studies to the Academic Council and recommended for approval.
- Based on Regulation 2016, we introduce R2019 Curriculum for I – VIII semesters of B.E., Mechatronics Engineering program for the students admitted in the academic year 2019-20 onwards and the same were presented and discussed.
- The syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering and Mechanical Engineering boards are permitted to move on to Academic Council by the BOS members of Mechatronics Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabi of 19HE1101- Technical English, 19MA1102- Calculus and Linear Algebra, 19PH1151- Applied Physics, 19CY1151- Chemistry for Engineers, 19HE1071- Value added course I: Language Competency Enhancement Course - I, 19HE2101- Business English for Engineers, 19MA2101- Differential Equations and Complex Variables, 19PH2151- Material Science, 19CY2151- Environmental Studies, 19HE2071- Language Competency Enhancement Course - II were introduced and passed by the Science and Humanities board and permitted to move on Academic Council by the BoS members of



Mechatronics Engineering for the students admitted during the academic year 2019-2020 and onwards.

- Syllabus of 19CS1151- Python Programming and Practices subject in First Semester under Regulation-2019 was introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of Mechatronics Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabi of 19ME1152-Engineering Drawing, 19ME2101- Engineering Mechanics and 19ME2001-Engineering Practices Lab were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of Mechatronics Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Chairman conveyed that the suggestions given by the Board of Studies members to be incorporated in R2016.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be forwarded to Science and Humanities, Computer Science and Engineering, Mechanical Engineering boards and incorporated in R2019.
- Chairman conveyed that the suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with a vote of thanks at 12.30 pm.

*S. Daimadhi*

**Chairman**

**Board of Studies**

**Chairman - BoS**

**MCT - HICET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. 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 & NBA)  
Othakkalmandapam Post, Coimbatore – 641 032

Date: 09.04.2019

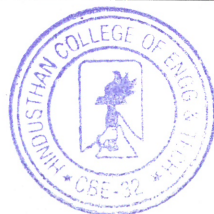
## **BOARD OF STUDIES MEETING**

Name of the Department: **Information Technology**

The Fourth Board of Studies meeting for the academic year 2019-20 was conducted on 09.04.2019 at 10.00 AM in the Video Conference Hall, Central Library.

The following members were present.

S.No	Name of the Person	Department	Position
1.	Dr.S.Saravanasundaram	Professor / Head, Department of Information Technology, Hindusthan College of Engineering and Technology	Chairman
2	Dr.S.Valli	Professor, Department of Computer Science Engineering, Anna University, Chennai	University Nominee
3	Dr.LathaParameswaran	Professor, Computer Science Engineering, Amrita School of Engineering, Coimbatore	Subject Expert 1
4	Dr.KumuthaRaimond	Professor, Department of Computer Science and Engineering, Karunya Institute of Technology and Sciences, Coimbatore	Subject Expert 2
5	Dr.S.Balamurugan	Head of Research and Development, QUANTS IS & Consultancy Services, Coimbatore	Representative from Industry
6	Dr.D.Rasi	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
7	Dr.B.Gomathi	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
8	Mr.M.Ganesan	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member



9	Mrs.N.Yamuna	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
10	Mr.C.Raghu	Software Engineer, Cognizant Technology Solutions, Coimbatore	Alumni Member

The following member could not attend the meeting due to other engagements.

1. Dr.Latha Parameswaran(Subject Expert)  
Professor  
Computer Science Engineering  
Amrita School of Engineering  
Coimbatore
2. Dr.S.Valli (University Nominee)  
Professor  
Department of Computer Science Engineering  
Anna University  
Chennai

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the Fourth 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 during **23.03.2018** was approved.
- The feedback received on curriculum by the stakeholders was presented by the Chairman-BoS
- 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) and emphasized the importance of including the Employability Enhancement Courses & Skill Development Courses in the curriculum to be in line with the industry needs.

**Comments by Experts (for Regulations 2016 of VII & VIII Semester):**

1. The following suggestions have been given by members for subjects under VII Semester:



- Remove Hadoop framework in 16IT7201-Data Analytics since the same is repeated in 16IT7202-Distributed and Cloud Computing subject.
  - Revise Unit 2 based on Distributed Systems concepts in 16IT7202-Distributed and Cloud Computing.
  - Add IoT Fundamentals: Networking Technologies, Protocols and use cases for the internet of things by David Hanes, Gonzalo Salgueiro, Patrick Grossetete, Robert Barton, Jerom Henry, and CISCO Press 2017 as Text Book in 16IT7203-Internet of Things subject
  - Include 5 to 6 experiments along with Mini Projects in 16IT7001-Application Development Laboratory
2. The following Employability Enhancement Courses are presented for members approval in Semester VII and VIII:
- 16IT7301 - Multimedia Design and Storage
3. The following Skill Development Courses are presented for members approval in Semester VII and VIII:
- 16IT7201-Data Analytics
  - 16IT7202-Distributed and Cloud Computing
  - 16IT7203-Internet of Things
  - 16IT7901-Project Work - Phase I

**General Comments by the BoS Members:**

1. Suggested to include the uniform experiment count in all integrated laboratories.
2. Standard Text and Reference books should be preferred for all subjects with recent editions and ISBN Numbers.

**The following resolutions were made in the Board of Studies meeting,**

**For Regulations 2016:**

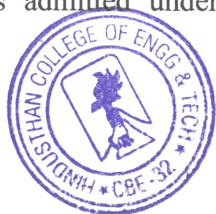
- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.Tech Information Technology program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.



- The curriculum and syllabi of Regulation 2016 for the V & VI semester subjects of B.Tech Information Technology program for the students admitted during the academic year 2017 - 2018 and onwards was permitted to move on to Academic Council.
- Based on Anna University Curriculum, the revised curriculum and syllabi for VII and VIII semesters of Regulation 2016 were introduced for the B.Tech Information Technology program for the students admitted in the academic year 2016-17 and onwards and the same were presented and discussed. It was permitted to move on to the Academic Council.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated in Regulation 2016.
- Chairman conveyed that the Suggestions given by the Previous Board of Studies members are ratified and resolved.

#### **For Regulations 2019:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- The syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering boards and permitted to move on to Academic Council by the BOS members of B.Tech Information Technology for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of 19CS1151-Python Programming and Practices subject in First Semester under Regulation-2019 was introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of Information Technology for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of 19IT2151-Programming in C subject in Second Semester under Regulation-2019 was introduced and passed by the Information Technology board. It was permitted to move on Academic Council by the BoS members of Information Technology for the students admitted under Department of Agriculture Engineering, Department of



Automobile Engineering, Department of Food Technology and Department of Information Technology during the academic year 2019-2020 onwards

- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be forwarded to Science and Humanities Board and incorporated in R2019.
- Chairman conveyed that the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with vote of thanks to the members by the Chairman at 12.30 P.M.

*RU*

**Chairman**

**Board of Studies**

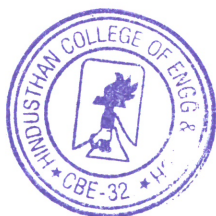
**Chairman - BoS  
IT - HiCET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. 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  
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Othakalmandapam Post, Coimbatore – 641 032

Date: 12.04.2019

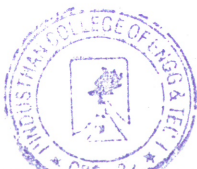
## MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **Agriculture Engineering**

The Second Board of Studies meeting of Regulation 2016 and Regulation 2019 for the academic year 2019-20 was conducted on 12.04.2019 at 2.45 p.m. in the CSE Seminar Hall, Hindusthan college of Engineering and Technology.

The following members were present.

S.No.	Name of the Person	Department	Position
1	Dr. N. Asoka Raja	Professor / Head, Department of Agriculture Engineering, Hindusthan College of Engineering and Technology.	Chairman
2	Dr .M.Krishnaveni	Professor, Centre for Water Resources, CEG Campus, Anna University, Chennai.	University Nominee
3	Mr. C.Mayilsamy	Professor, Dept of Agrl Engg, Karunya Institute of Technology and Sciences, Coimbatore.	Subject Expert
4	Dr. B.Sridhar	Dean, Tamil Nadu Agriculture University, Coimbatore.	Subject Expert
5	Mr. C.V. Madheswaran	Managing Director, KSNM Marketing, Coimbatore	Representative from Industry
6	Mrs. K.Swathi	Assistant Professor, Department of Food Technology, Hindusthan College of Engineering and Technology.	Member
7	Mrs. K. GuruLakshimi	HSSC Teacher – Thiruppur	Parents
8	Mrs. Leema Jaya Rose	House Wife	Parents
9	Sakthi Kumar M	Department of Agriculture Engineering, Hindusthan College of Engineering and Technology	Student
10	Sreelekshimi Saseendran	Department of Agriculture Engineering, Hindusthan College of Engineering and Technology	Student



- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third 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 during **29.03.2018** was approved.
- The feedback received on curriculum by the stakeholders was presented.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Pre- Board of Studies (Pre- BoS)/ Department Advisory Committee (DAC) and emphasized the importance of curriculum to be in line with the industry needs.

**The following are the recommendations put forth by BoS members,**

1. Subject Expert suggested to include the following, in 3<sup>rd</sup> sem, '16AG3201- Soil Science and Engineering' course
  - i) Include 'ENGINEERING PROPERTIES OF SOIL' in unit IV
  - ii) Terzaghi's formula- BIS standards topic can be added in Unit V.
2. Also the stakeholders suggested that, in 3<sup>rd</sup> sem, '16AG3202- FLUID MECHANICS AND HYDRAULICS' course, 'Centrifugal pumps and types of pumps' topic can be added in Unit 5
3. Subject expert suggested to change 19AG3001-Crop Husbandry Laboratory as 19AG3001-Field Crop Production Practical
4. Industry Expert suggested that, in 4<sup>th</sup> sem, '16AG4202- IRRIGATION AND DRAINAGE ENGINEERING' Course, 'Water control and diversion structure' topic can be added in Unit 2
5. In "19AG2104- Principles of Food Science" syllabus, it is suggested to add 'Cooking quality test' in Unit 5.
6. Subject Expert suggested renaming the subject, '19AGXXXX- Design of Farm Tractors-in 3<sup>rd</sup> Sem as 'Farm Tractors'.
7. Subject Expert suggested that, in 4<sup>th</sup> Sem, '19AGXXXX Groundwater Engineering' course may be renamed as 'Groundwater and Well Engineering.

- The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested.
  - i) Instrumentation and Process control in Food Industry
  - ii) Milk and Milk Products Technology
- Skill Development courses are introduced for members' approval.
  - ✓ 16AG4204- Irrigation and Drainage Engineering
  - ✓ 19AG2104- Principles of Food Science
- Employability courses are introduced for members' approval.
  - ✓ 16AG3202- Fluid Mechanics and Hydraulics
  - ✓ 16AG3201- Soil Science and Engineering

**General Comments by the BoS Members:**

1. For every laboratory course, syllabus reference has to be given as books or department manuals.
2. 'Identification and Working of Equipment' can be included as any experiment in the Laboratory course.
3. Theory with lab component courses can be limited to 5 to 7 experiments.



4. Standard Text and Reference books should be preferred for all subjects with recent editions.
5. To encourage students for learn the additional course through online platform

**The following resolutions were made in the Board of Studies meeting,**

**For Regulations 2016:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- The curriculum and syllabi of 2016 for the III and IV semester subjects of B.E Agriculture Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.
- Syllabus of Regulation 2019 for the I & II semester Mathematics subjects were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Agriculture Engineering for the students admitted during the academic year 2018-2019 onwards.

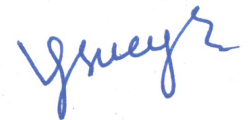
**For Regulations 2019:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- Based on Regulation 2016, R2019 Curriculum for I – VIII semesters of B.E, Agriculture Engineering program was introduced for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed.
- The curriculum and syllabus of Regulation 2019 for the I and II semester subjects were passed by the Science and Humanities, Computer Science and Engineering, Information Technology and Mechanical Engineering boards are permitted to move on Academic Council by the BoS members of Agriculture Engineering for the students admitted during the academic year 20219-2020 and onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19HE1101, 19MA1102, 19CS1151, 19PH1151, 19CY1151 and 19HE1071, 19HE2101, 19MA2101, 19PH2151, 19CY2151, 19HE2071 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Agriculture Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19CS1151- Python Programming and Practices & 19IT2151- Programming in C were introduced and passed by the Computer Science and Engineering & Information Technology boards and permitted to move on Academic Council by the BoS members of Agriculture Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19ME1101- Basics of Civil and Mechanical Engineering, 19ME2001- Engineering Practices Laboratory were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of Agriculture Engineering for the students admitted during the academic year 2019-2020 and onwards



- Chairman conveyed that, the suggestions given by the Board of Studies members are to be forwarded to Science and Humanities, Computer Science and Engineering, Information Technology, Mechanical Engineering and Agriculture Engineering Boards and incorporated in R2019.
- Chairman conveyed that the suggestions given by the Board of Studies members are to be incorporated.
- Chairman conveyed that the suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with a vote of thanks at 4.00 p.m.



**Chairman**  
**Board of Studies**  
**Chairman - BoS**  
**AGRI - HiCET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
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4. Curriculum and Syllabi

**Copy:**

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





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Othakalmandapam Post, Coimbatore – 641 032

Date: 08.04.2019

## **MINUTES OF BOARD OF STUDIES MEETING**

Board of Studies in Department: **Biomedical Engineering**

The Second Board of studies meeting for the Academic year 2019-2020 was conducted on 08.04.2019 at 10.00 a.m. in the Video Conference Hall, Central Library.

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr.P.Rajeshwari,	Professor / Head, Department of Electronics and Communication Engineering, Hindusthan College of Engineering and Technology.	Chairman
2	Dr.S.Poonguzhali	Associate Professor, Department of Electronics and Communication Engineering Anna University, Chennai – 600025	University Nominee
3	Dr G. Gopu	Professor and Head, Department of Biomedical Engineering, Sri Ramakrishna Engineering College, Coimbatore.	Subject Expert 1
4	Dr B BanuRekha,	Associate Professor, Department of Biomedical Engineering, PSG College of Technology, Coimbatore-641004	Subject Expert 2
5	Mr. Babu Raj	Installation Engineering ,GE Health care	Representative from Industry
6	Dr. R.Sabitha	Professor , Department of Electronics and Communication Engineering, Hindusthan College of Engineering and Technology.	Member
7	Ms.P.Geetha	Assistant Professor , Department of Electronics and Communication Engineering, Hindusthan College of Engineering and Technology	Member
8	Mr B Veerasamy	Associate Professor ,	Member



		Department of Electronics and Communication Engineering	
9	Ms Lekshmi A	Assistant Professor Department of Biomedical Engineering, Hindusthan College of Engineering and Technology	Member

The following member could not attend the meeting due to other engagements.

1. Mr. Babu Raj

Installation Engineering

GE Health care, Bangalore.

- The Chairman welcomed University nominee, Subject experts, special invitees and all the internal members for the Board of Studies meeting.
- 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).
- The feedback received on curriculum by the stakeholders was presented.

#### Department specific Board of Studies Discussion / Suggestions:

##### Regulation 2016

- University Nominee (**DrS.Poonguzhali**) suggested that,16BM3202- Anatomy and Physiology to be renamed as Human Anatomy and Physiology
- University Nominee (**DrS.Poonguzhali**) suggested that,16BM3204 Check if Biochemistry syllabus overlaps with Engineering Chemistry

##### Regulation 2019

- Subject Expert (**Dr B BanuRekha**) suggested that in Ist Semester, 19CS1151 Programming in C then Python Programming may be included in the I semester curriculum.
- Subject Expert (**Dr G. Gopu**) suggested that the first Semester 19EE1155-Basics of Electrical Engineering may be included in the I semester curriculum.
- Subject Expert (**Dr B BanuRekha**) suggested that the second Semester 19BMXXXX Add radiation physics and laser to radiological equipment may be included in the II semester curriculum.



- Subject Expert (**Dr B BanuRekha**) suggested that the second Semester 19BM2001 Separate lab for Electron devices and electric circuits may be included in the II semester curriculum.

**The following resolutions are made in the Board of Studies meeting:**

**For Regulations 2016:**

- In almost all the courses, changes have been done as per the current needs.
- Chairman conveyed that the new courses have been introduced in Regulation 2019.
- In “19PH1151 Applied Physics” recommended 30% revisions and updates in Unit – II, III, and IV.
- In “19PH2151 Material Science” 25% revision has been recommended for replacing the course content of “Dielectric and composite materials with crystal physics, smart material and nano technology with ultrasonics.
- In “19ME2001 Engineering Practices Laboratory” 10% revision has been recommended for adding “Arrangement of bricks using English bond for 1 brick thick wall and 1 1/2 brick thick wall for right angle corner junction and Arrangement of bricks using English bond for 1 brick thick wall and 1 1/2 brick thick wall for T junction”.
- The curriculum and syllabus of Regulation 2016 for the III & IV semester Mathematics subjects were passed by the Science and Humanities board and permitted to move on to Academic Council by the BoS members of Biomedical Engineering for the students admitted during the academic year 2018-2019 and onwards.
- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of B.E Biomedical Engineering program for the students admitted during the academic year 2018 - 2019 and onwards was passed by Biomedical board were permitted to move on to Academic Council.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.
- Semester III & IV –Skill development Courses for members approval
  - 16BM3001 Biochemistry Laboratory
  - 16BM4203 Digital Electronics
- Semester III & IV –Following Employability Courses for members approval



- 16BM3201 Sensors and Measurement
- 16BM3203 Bioelectric Phenomena
- 16BM4202 Linear Integrated Circuits

**For Regulations 2019:**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering, Electrical and Electronics Engineering boards and permitted to move on Academic Council by the BoS members of Biomedical Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I semester subjects- 19HE1101,19MA1103,19PH1151,19CY1151,19HE1001 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Biomedical Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19HE2101, 19MA2102,19PH2151, 19CY2151and 19HE2071were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Biomedical Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19CS1151- Python Programming and Practices &19CS2152- Essentials of C & C++ programming were introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of Biomedical Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the I semester subject- 19EE1155- Basics of Electrical Engineering introduced and passed by the Electrical and Electronics Engineering board and permitted to move on Academic Council by the BoS members of Biomedical Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19ME2154- Engineering Graphics, 19ME2001- Engineering Practices Laboratory were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the



BoS members of Biomedical Engineering for the students admitted during the academic year 2019-2020 and onwards.

- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be forwarded to Science and Humanities, Computer Science and Engineering, Mechanical Engineering and Electrical and Electronics Engineering Boards and incorporated in R2019.
- The following value added and certificate courses with the duration of minimum 30 hrs each are introduced as suggested.

- Basics of C Language
- Basics of Java

The following recommendations given by stakeholders are considered and incorporated.

1. New updated laboratory can be established.

The meeting ended with thanks to the members by Chairman at 12.30 pm



Chairman  
Board of Studies

Chairman BoS  
BME - HiCET

**Enclose:**

- 1 Previous BoS Minutes-ATR
- 2 Copy of Regulation 2016
- 3 Copy of Regulation 2019
- 4 Curriculum and Syllabi

**Copy:**

- 1 The Principal
- 2 Dean Academics
- 3 Controller of Examinations





# Hindusthan College of Engineering and Technology

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Othakalmandapam Post, Coimbatore – 641 032

## DEPARTMENT OF FOOD TECHNOLOGY

Date: 12.04.2019

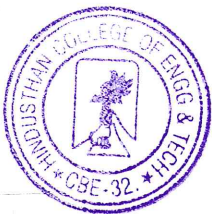
### MINUTES OF THE BOARD OF STUDIES MEETING

Name of the Department: **Food Technology**

The Second Board of Studies meeting of regulation 2016 & and regulation 2019 (for the students to be admitted from 2019-2020 onwards) for the academic year 2019-20 was conducted on 12.04.2019 at 10.00 a.m, in the CSE seminar hall, Hindusthan College of Engineering and Technology.

The following members were present.

S.No	Name of the Person	Department	Position
1	<b>Dr. N. Asoka Raja</b> Professor & Head, Department of Agriculture Engineering, HICET.	Agriculture Engineering	Chairman
2	<b>Dr. S. Thangavel,</b> Professor & Head, Department of Food Process Engineering, Post-Harvest Technology Centre, TNAU, Coimbatore	Food Tech	University Nominee
3	<b>Dr. Eyarkai Nambi</b> Scientist & Head, ICAR, The Gandhigram Rural Institute, Dindigul.	Food Tech	Academic Expert
4	<b>Dr. Myilsamy</b> Numax Foods, Annur.	-	Industry Expert
5	<b>Mrs. K. Swathi</b>	Food Tech	Member



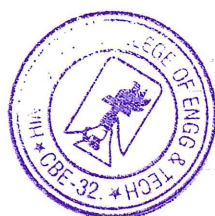
	Assistant Professor, Department of Food Technology, HICET		
6	Ms Aparna P	II Year	Student Member
7	Ms Gomathi S	II Year	Student Member
8	Mr Rajeev P	-	Parent Member

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the Second Board of Studies meeting.
- Chairman presented the suggestions given by the experts and the action taken report of the previous BoS meeting, which was held on 29.03.2018. Members of the BOS approved the same.
- 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).
- The curriculum and syllabus for the new courses under III & IV semester of regulation 2016 and I & II semesters of regulation 2019 was presented by the Chairman and discussed.
- The Chairman discussed the scheme of curriculum under regulation 2019 for the students admitted from the academic year 2019-2020 onwards.

**The following are the recommendations put forth by the BoS members,**

**For the Regulation 2016 curriculum and syllabus**

- Suggested to replace 16FTXXXX Introduction to Food Processing with 16FTXXXX Thermodynamics in the third semester.
- Suggested to include 16FTXXXX Food Analysis and 16FTXXXX Food Analysis laboratory can be included in the fourth semester.
- The new course recommended to introduce with course code and title in III semester as follows “16MA3111 Fourier Analysis and Z Transform, 16FT320X Fluid Mechanics, 16FT320X Food Process Calculations, 16FT320X Food Microbiology, 16FT320X Food Chemistry, 16FT320X Thermodynamics, 16FT300X Food Microbiology Laboratory, 16FT300X Food Chemistry Laboratory”.
- The new course recommended to introduce with course code and title in IV<sup>th</sup> semester as follows “16MA4112 Applied Statistics & Numerical Methods, 16FT420X Engineering



Properties of Food Materials, 16FT420X Fundamentals of Heat and Mass Transfer, 16FT420X Food Process Engineering - I, 16FT420X Food Analysis, 16HE410X Total Quality Management, 16FT400X Food Analysis Laboratory, 16FT400X Heat and Mass transfer Laboratory”.

- The following skill development courses are introduced for member’s approval.
  - 16FT3201 - Fluid Mechanics
  - 16FT4202 - Fundamentals of Heat and Mass Transfer
- The following employability courses are introduced for member’s approval.
  - 16FT3202 - Food Process Calculations
  - 16FT3203 - Food Microbiology
  - 16FT3204 - Food Chemistry
- The Following value added and certificate courses with duration of minimum 30hrs each are introduced as suggested.
  - Instrumentation and Process Control in Food Industry
  - Milk and Milk Products Technology

#### **For the Regulation 2019 curriculum and syllabus**

- It is resolved that curriculum and syllabi for semester I and II under Regulation 2019 choice-based credit system for UG B.Tech. Food Technology programme for students admitted during the academic year 2019-2020.
- Suggested to replace 19FT2XXX Introduction to Food Processing with 19FTXXXX Principles of Microbiology in the second semester.
- Suggested to include 19FTXXXX Meat, Fish and Poultry process Technology in the seventh semester and 19FTXXXX Creativity, Innovation and New Food Product Development can be given as open elective.
- Suggested to include 19FTXXXX Plantation and Spices Product Technology in the VII<sup>th</sup> semester.
- In “19MA1102 Calculus and linear algebra” recommended 60% revisions and updates in Unit – II, III, IV, and V.
- In “19PH1151 Applied Physics” recommended 30% revisions and updates in Unit – II, III, and IV.



- In “19PH2151 Material Science” 25% revision has been recommended for replacing the course content of “Dielectric and composite materials with crystal physics, smart material and nano technology with ultrasonics.
- In “19ME2001 Engineering Practices Laboratory” 10% revision has been recommended for adding “Arrangement of bricks using English bond for 1 brick thick wall and 1 1/2 brick thick wall for right angle corner junction and Arrangement of bricks using English bond for 1 brick thick wall and 1 1/2 brick thick wall for T junction”.
- The new course recommended to introduce with course code and title in I semester as follows “19HE1101 Technical English, 19MA1102 Calculus and linear algebra, 19PH1151 Applied Physics, 19HE1071 Language Competency Enhancement course – I, 19ME1101 Basics of Civil and Mechanical Engineering”.
- The new course recommended to introduce with course code and title in II<sup>nd</sup> semester as follows “19HE2101 Business English for Engineers, 19MA2101 Differential Equations and Complex Variables, 19PH2151 Material Science, 19IT2151 Programming in C, 19FT2105 Principles of Microbiology, 19HE2001 Language Competency Enhancement course – II”.

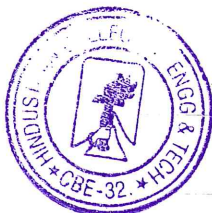
**General recommendations:**

1. University Nominee suggested to participate in conferences, seminars and project workshops that will explore the knowledge of students.
2. Subject experts suggested to participate in online training courses.

**The following resolutions were made in the Board of Studies meeting:**

**For Regulations 2016:**

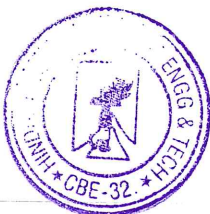
- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabus of Regulation 2016 with update for the I to VIII semester courses of B.Tech. Food Technology program for the students admitted during the academic year 2018 – 2019, and onwards was permitted to move on to the Academic Council.
- The curriculum and syllabus of Regulation 2016 for the III & IV semester Mathematics subjects were passed by the Science and Humanities board and permitted to move on to Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2018-2019 and onwards.



- The curriculum and syllabi of Regulation 2016 for the III & IV semester subjects of Food Technology program for the students admitted during the academic year 2018 - 2019 and onwards was permitted to move on to Academic Council.
- Chairman has confirmed that, the suggestions given by the subject experts will be considered and the syllabus will be updated based on the suggestions given in this BoS meeting.
- Chairman conveyed that the suggestions given by the Previous Board of Studies meeting were ratified and resolved.

**For Regulations 2019:**

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Computer Science and Engineering, Information Technology, Mechanical Engineering boards and permitted to move on Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2019-20 onwards.
- Syllabus of Regulation 2019 for the I semester subjects- 19HE1101, 19MA1102, 19PH1151, 19CY1151, 19HE1001 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2019-20 onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19HE2101, 19MA2101, 19PH2151, 19CY2151, and 19HE2001 were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2019-20 onwards.
- Syllabus of Regulation 2019 for the I semester subject- 19CS1151- Python Programming and Practices were introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19IT2151- Programming in C were introduced and passed by Information Technology board and permitted to move on Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the I & II semester subjects- 19ME1101- Basics of Civil and Mechanical Engineering, 19ME2001- Engineering Practices Laboratory were



introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2019-2020 and onwards.

- Syllabus of Regulation 2019 for the II semester subject- 19FT2105- Principles of Microbiology were introduced and passed by the Food Technology board and permitted to move on Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2019-2020 and onwards.
- Chairman conveyed that, the suggestions given by the Board of Studies members will be considered and forwarded to Science and Humanities, Computer Science and Engineering, Information Technology, Mechanical Engineering Boards and incorporated in Regulation 2019.

The meeting ended with thanks to the members by Chairman at 12.30 pm



Chairman

Board of Studies

**Chairman - BoS  
FT - HICET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. Curriculum and Syllabi

**Copy:**

1. The Principal
2. Dean Academics
3. Controller of Examinations



# 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 & NBA)  
Othakalmandapam Post, Coimbatore – 641 032

Date: 12.04.2019

## BOARD OF STUDIES MEETING

Name of the Department: **Chemical Engineering**

The First Board of Studies meeting for Regulation 2019 the academic year 2019-20 was conducted on 12.04.2019 at 10.00 AM in the Video Conference Hall, Central Library.

**The following members were present.**

S.No.	Name of the Person	Department	Position
1.	Dr. N. Asoka Raja	Professor & Head, Department of Agricultural. Engg, HICET.	Chairman
2	Dr. S. Thangavel	Professor & Head, Department of Food Process Engineering, Post-Harvest Technology Centre, TNAU, Coimbatore.	University Nominee
3	Dr. Eyarkai Nambi	Scientist & Head, ICAR, The Gandhigram Rural Institute, Dindigul	Academic Expert
4	Dr. Myilsamy	Numax Foods, Annur	Industry Member
5	Mrs. K. Swathi	Assistant Professor, Department of Food Technology, HICET	Member

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- The Chairman gave a brief overview of the key features of Regulation 2019 to all members of the Board.
- Chairman also gave an outline of the curriculum given by the Curriculum Development Cell (CDC) & Pre- Board of Studies (Pre- BoS)/ Department Advisory Committee (DAC) and the courses introduced in the Semesters – I & II.



**The following are the recommendations put forth by the BoS members,**

1. Suggested to rename '19CHXXXX-Heat Transfer' as 'Process Heat Transfer' in 4<sup>th</sup> Sem.
2. Suggested to rename the subject name for '19CHXXXX-Solid Handling' in 4<sup>th</sup> Sem as 'Mechanical Operation'.
3. Suggested that, in 5<sup>th</sup> Sem, '19CHXXXX-Process Dynamics and Control Laboratory' course may be renamed as 'Process Control Laboratory'.
4. Recommended to include Basic laws and definitions in the Course "Principles of Chemical Engineering"
5. Recommended to encourage the students for doing online NPTEL courses.

**General Recommendations:**

1. Suggested to verify whether bundled courses and fractional credits are permitted as per regulation.
2. For laboratory course syllabus reference has to be given as books or department manuals.
3. Standard Text and Reference books should be preferred for all subjects with recent editions.

**The following resolutions were made in the Board of Studies meeting,**

- In almost all the courses, changes have been done as per the current needs.
- Based on Regulation R2019 Curriculum for I – VIII semesters of B.Tech, Chemical Engineering program was introduced for the students admitted in the academic year 2019-20 and onwards and the same were suggested to move on to Academic Council.
- The curriculum and syllabus of Regulation 2019 for the I semester courses (19HE1101- Technical English, 19MA1102- Calculus and Linear Algebra, 19PH1151-Applied Physics, 19CY1151-Chemistry for Engineers, and 19HE1071-Language Competency Enhancement Course-I) were introduced and passed by the Science and Humanities board are permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the I semester subjects-19CS1151- Python Programming and Practices were introduced and passed by the Computer Science and Engineering board is permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019-2020and onwards.



- Syllabus of Regulation 2019 for the I semester subject-19ME1152- Engineering Drawing was introduced and passed by the Mechanical Engineering board is permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019-2020 and onwards.
- The curriculum and syllabus of Regulation 2019 for the II semester subjects were introduced and passed by the Science and Humanities, Mechanical Engineering, Electrical and Electronics Engineering boards and permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the II semester Courses - 19HE2101- Business English for Engineers, 19MA2101- Differential Equations and Complex Variables, 19EE2103- Basics of Electrical and Electronics Engineering, 19CH2101- Principles of Chemical Engineering, 19PH2151- Material Science, 19CY2151- Environmental Studies, 19ME2001- Engineering Practices Lab, 19HE2071- Language Competency Enhancement Course-II passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19HE2101- Business English for Engineers, 19MA2101- Differential Equations and Complex Variables, 19PH2151- Material Science, 19CY2151- Environmental Studies and 19HE2071- Language Competency Enhancement Course-II were introduced and passed by Science and Humanities board and permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019-2020 onwards.
- Syllabus of Regulation 2019 for the II semester subjects 19ME2001- Engineering Practices Laboratory were introduced and passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Syllabus of Regulation 2019 for the II semester subjects 19EE2103- Basics of Electrical and Electronics Engineering were introduced and passed by the Electrical and Electronics Engineering board and permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019- 2020 and onwards.
- Syllabus of Regulation 2019 for the II semester subject- 19CH2101- Principles of Chemical Engineering were introduced and passed by the Chemical Engineering board



and permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2019-2020 onwards.

- Skill Development courses are introduced for members Approval
  - ✓ 19CH2101 - Principles of Chemical Engineering
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be forwarded to Science and Humanities, Mechanical Engineering, Electrical and Electronics Engineering and Computer Science and Engineering Boards and incorporated in Regulation 2019.

The meeting ended with thanks by the Chairman at 12.30 P.M.



Chairman

Board of Studies  
**Chairman - BoS**  
**CHE - HICET**

Enclose:

1. Copy of Regulation 2019
2. 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 & NBA)  
Othakalmandabam Post, Coimbatore – 641 032

Date: 11.04.2019

## **MINUTES OF BOARD OF STUDIES MEETING**

Name of the Department: **Electrical and Electronics Engineering**

The Third Board of Studies meeting for **M.E-Applied Electronics** Postgraduate programme of Regulation 2016 for the Academic year 2019-2020 was conducted on 11.04.2019 at 10.30 p.m. in the Video Conference Hall, Central Library.

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr.N.P.Ananthamoorthy	Professor / Head, Electrical and Electronics Engineering Hindusthan College of Engineering and Technology	Chairman
2	Dr. A. Shenbagavalli	Professor & Head, Department of Electronics and Communication Engineering, National Engineering College, Kovilpatti – 628 503	Expert Nominated by vice chancellor
3	Dr. K.Baskaran	Associate Professor, Department of Electrical and Electronics Engineering, Government College of Technology, Coimbatore -641 013	Subject Expert
4	Dr. G.Muruganath	Professor and Head, Department of Electrical & Electronics Engineering, Ahalia School of Engineering and Technology, Palakkad, Kerala – 678 557	Subject Expert
5	Er. J. Sridhar Prabhu	Managing Director, Allzone Systems Limited, Coimbatore, 641 009.	Representative from Industry
6	Mr. S. Manikandan	Sigma Electrical Services, 2nd Street, Ganapathy pudur, Coimbatore – 641 006.	Alumnus



7	Dr. K.Sekar	Associate Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore- 641 032.	Member
8	Dr. M.Karpagam	Associate Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore- 641 032.	Member
9	Mr. K.Vanmathi	Associate Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore- 641 032.	Member
10	Mr. M.P.Viswanathan	Assistant Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore- 641 032.	Member

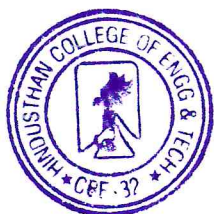
- The chairman of the BoS, Dr.N.P. Ananthmoorthy welcomed all the dignitaries and internal members for the first Board of Studies meeting
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Pre-Board of studies/ Department Advisory Committee (DAC).
- The feedback received on curriculum by the stakeholders were presented

**Board of Studies Discussion / Suggestions:**

- Chairman presented and requested the board members to accept the syllabi of Regulation 2016 for the I to IV semester subjects which were passed by Science and Humanities board & Electrical and Electronics Engineering board.
- The curriculum and syllabus of this semester were reviewed and accepted without any changes


**The following resolutions are made in the Board of Studies meeting,**

- In almost all the courses, changes have been done as per Local, Regional, National and Global needs.



- All the courses in the curriculum are framed based on the employability, skill development and entrepreneurship context to meet the industry needs.
- The curriculum and syllabus of Regulation 2016 for III to IV semester subjects were passed by the Electrical and Electronics Engineering board and permitted to move on the Academic Council by the BoS members of Electrical and Electronics Engineering for the students admitted during the academic year 2019-2020 onwards.

The meeting ended with a vote of thanks to the members by Chairman at 01.00 pm

  
Chairman  
Board of Studies  
**Chairman - BoS**  
**EEE - HiCET**

**Enclose:**

1. Pre-Board of studies/ DAC meeting Minutes
2. Curriculum and Syllabi (1&2)

**Copy:**

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





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Othakalmandabam Post, Coimbatore – 641 032

Date: 12.04.2019

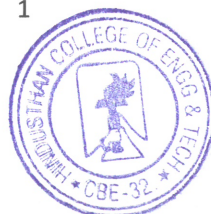
## **MINUTES OF BOS MEETING**

Name of the Department: **Electronics and Communication Engineering**

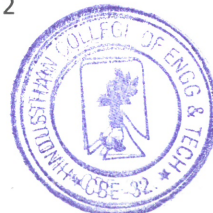
The Fourth Board of Studies meeting of ME CS Regulation 2016 (Revised) for the academic year 2019-20 was conducted on 12.04.19 at 10.30 am in Hindusthan College of Engineering and Technology in the Board room.

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr.P.Rajeswari	Professor and Head , Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Chairman
2	Dr.S.Subha Rani,	Professor, Department of Electronics and Communication, PSG College of Technology, Coimbatore.	University Nominee
3	Dr. C.Vasanthayaki,	Professor and Head , Department of Electronics and Communication, Government College of Engineering, Salem	Subject Expert
4	Dr. S.Uma Maheswari,	Professor, Department of Electronics and Communication,	Subject Expert



		Coimbatore Institute of Technology, Coimbatore	
5	Mr.M.Vijayakumar,	Facility Development and Automation Head, Facility Development and Automation, Roots Industries India Limited, Coimbatore.	Industry Expert
6	Dr.R.Sabitha	Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore.	Member
7	Dr. P.Vijayalakshmi	Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
8	Dr.A.Kishore kumar	Associate Professor , Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore	Member
9	Mr.P.F.Khalelur Rahiman	Associate Professor Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
10	Ms.K.Rameena Sri,	Senior SW Engineer, Robert Bosch Engg and	Alumni



		Business Solution Ltd, Coimbatore.	
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The following member could not attend the meeting due to other engagements.

Ms.K.Rameena Sri,  
Senior SW Engineer,  
Robert Bosch Engg and Business Solution Ltd,  
Coimbatore.

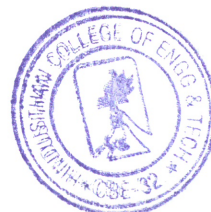
- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- The chairperson gave a brief overview of the key features of Regulation 2016 (Revised) to all members of the Board of Supervisors.
- Chairman also 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 in the curriculum to be in line with the industry needs
- The feedback received on curriculum by the stakeholders were presented.
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 12.03.2018, was approved.
- All the courses in the curriculum are framed based on Employability, Entrepreneurship and Skill Development context to meet the industry needs.

**Comments by Experts:**

1. Subject expert Dr. C.Vasanthanayaki suggested to increase the number of professional electives to 6
2. Subject expert Dr. S.Uma Maheswari suggested that Course Objectives may be more general in a single line and course outcomes being more specific starting with an active verb. The course outcomes should be able to map with the Program outcomes from PO1 to PO12.

**General Comments by the BoS Members:**

1. For laboratory course syllabus reference has to be given as books or department manuals.
2. Standard Text and Reference books should be preferred for all subjects with recent editions.



**The following resolutions were made in the Board of Studies meeting,**

- In almost all the courses, changes have been done as per Local, Regional, National and Global needs.
- All the courses in the curriculum are framed based on Employability, Entrepreneurship, and Skill Development context to meet the industry needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the I to IV semester subjects for the students admitted during the academic year 2019 - 2020 onwards were permitted to move on to Academic Council.
- The curriculum and syllabus of Regulation 2016 (Revised) for the Mathematics subject was passed by the Science and Humanities board and permitted to move on to Academic Council by the BoS members of Electronics and Communication Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

*Pray*

Chairman

(Board of Studies)

**Chairman - BoS  
ECE - HiCET**

**Enclose:**

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Previous BoS Minutes-ATR
4. Copy of Regulation 2016R
5. Regulation 2019
6. 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

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Othakalmandabam Post, Coimbatore – 641 032

Date: 09.04.2019

## MINUTES OF BOARD OF STUDIES MEETING

Board of Studies in Department: **Computer Science and Engineering**

The Fourth Board of Studies meeting for M.E. Computer Science and Engineering Postgraduate programme of Regulation 2016 for the Academic year 2019-2020 was conducted on 09.04.2019 at 11.30 a.m. in the Video Conference Hall, Central Library.

**The following members were present.**

S.N o	Name of the Person	Department	Position
1.	Dr Shankar S	Professor / Head, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology.	Chairman
2	Dr Anadhakumar	Professor & Head, Department of Information Technology, Madras Institute of Technology.	University Nominee
3	Dr Venkatesan R	Dean-Placement, PSG College of Technology, Coimbatore	Academic Expert-1
4	Dr Nedunchezhian R	Professor, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore	Academic Expert-2
5	Dr Raj Kumar	Technical Managing Director, R&D, Robert Bosch Engineering and Business Solutions, Coimbatore	Industry Member
6	Dr Jasmine Selvakumari Jeya I	Associate Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	Member
7	Mr Satheesh Kumar D	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	Member
8	Dr Dhiyanesh B	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	Member
9	Ms Ramya Devi M	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	Member
10	Mr Arun Ramakrishnan	Associate-Projects, Cognizant Technology Solutions, Coimbatore	Alumni Member

**The following members could not attend the meeting due to other engagements.**

1. Dr Raj Kumar (Industry Member)  
Technical Managing Director, R&D, Robert Bosch Engineering and Business Solutions, Coimbatore
  2. Mr Arun Ramakrishnan (Alumni Member)  
Associate – Projects, Cognizant Technology Solutions, Coimbatore
- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
  - Chairman informed the members that Mr. Arun Ramakrishnan has been included as an Alumni instead of Mr Dharmalingam P S.
  - Chairman informed to members that, Dr Jasmine Selvakumari Jeya I, Associate Professor/CSE have been included as a member instead of Dr Deeba K, Associate Professor/CSE and Ms Ramya Devi M, Assistant Professor/CSE have been included as a member instead of Ms Kiruthiga G, Assistant Professor/CSE.
  - 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/ Department Advisory Committee (DAC)
  - The feedback received on the curriculum by the stakeholders were presented.
  - The Chairman conveyed to the members that, Based on Anna University Curriculum, curriculum and syllabus for I to IV semesters of M.E, Computer Science and Engineering was introduced.

**Board of Studies Discussion / Suggestions:**


- Chairman presented and requested the board members to accept the Curriculum and syllabi of Regulation 2016 for I to IV semester subjects which were passed by Science and Humanities board & Computer Science and Engineering Boards.
- The curriculum and syllabus of this semester were reviewed and accepted without any changes.



**The following resolutions are made in the Board of Studies meeting,**

- In almost all the courses, changes have been done as per the Local, Regional, National and Global needs.
- All the courses in the curriculum are framed based on the employability, skill development and entrepreneurship context to meet the industry needs.
- The curriculum and syllabus of Regulation 2016 for I to IV semester subjects were passed by the Computer Science and Engineering board without any change and permitted to move on Academic Council by the BoS members of Computer Science and Engineering for the students admitted during the academic year 2019-2020 onwards.

The meeting ended with thanks to the members by Chairman at 02.00 pm



**Chairman**

**Board of Studies**

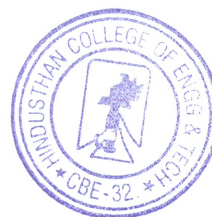
**Chairman - BoS  
CSE - HiCET**

**Enclose:**

- 1.Previous BoS Minutes-ATR
- 2.Copy of Regulation 2016
- 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 & NBA)  
Othakalmandabam Post, Coimbatore – 641 032

Date:29.04.2019

## **MINUTES OF BOARD OF STUDIES MEETING**

Name of the Department: **Mechanical Engineering**

The Fourth Board of Studies meeting of Regulation 2016 ME Cad/Cam for the Academic year 2019-2020 was conducted on 29.04.2019 at 11.00 A.M in online mode.

The following members were present:

S.No	Name of the Person	Department	Position
1	Dr. K. Siva	Professor and Head, Mechanical Engineering Department, Hindusthan College of Engineering and Technology	Chairman
2	Dr. V. Prabhuraja	Associate Professor, Department of Manufacturing Engineering, PSG College of Technology, Coimbatore.	University Nominee
3	Dr. K. Marimuthu	Professor, Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore.	Subject Expert 1
4	Dr. K. Ramesh Kumar	Professor, Department of Mechanical Engineering, Amirta School of Engineering, Coimbatore.	Subject Expert 2
5	Dr. M. Kanthababu	Professor, Department of Mechanical Engineering, Anna University, Chennai.	Subject Expert 3
6	Mr. N. Sampathkumar	AGM Training & Development, Roots Industries India Ltd, Coimbatore.	Representative from Industry
7	Dr. M. Mohanraj	Professor , Mechanical Engineering Department, Hindusthan College of Engineering and Technology	Member
8	Dr. J. Manikandan	Associate Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
9	Dr. P. Jeyalakshmi	Associate Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
10	Dr. S. Kannan	Assistant Professor , Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
11	Mr. P. Vigneshwar	Pie Bags Pvt Ltd	Alumni

- The chairman of the BOS, welcomed all the dignitaries for the meeting. He introduced the BoS members. Also, he has given an outline of the institution and department along with the salient features of the Curriculum and Syllabi.



- Chairman also gave an outline of the changes to be made in the Regulation 2016 , curriculum given by the Pre-Board of Studies/Department Advisory Committee (DAC) and emphasized the importance of including the Employability enhancement courses, Skill Development, Employability and Entrepreneurship courses in the curriculum to be in line with the industry needs.
- The feedbacks received on the curriculum by the stakeholders were presented.
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during **09.03.2018**, was approved.

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

- In “16CC3301 Enterprise Resource Planning”, 15% syllabus revision made with relevant topics.
- In “16CC3305 Vibration Analysis and Control”, 5% syllabus change has been made based on the feedback of stakeholders.
- Chairman presented and requested the board members to accept the syllabi of Regulation 2016 for I to IV semester subjects which were passed by Science and Humanities board & Mechanical Engineering Boards.

**For Regulations 2016:**

- In almost all the courses, changes have been done as per the local, regional, national and global needs.
- All the courses in the curriculum are framed based on the employability, skill development and entrepreneurship context to meet the industry needs.
- The curriculum and syllabus of Regulation 2016 for I to IV semester subjects were passed by Science and Humanities Board and Mechanical Engineering were permitted to move on Academic Council by the BoS members of Mechanical Engineering for the students admitted during the academic year 2019-2020 onwards.

The meeting ended with a vote of thanks by the Chairman at 01.00 P.M.

  
Chairman  
(Board of Studies)

**Chairman - BoS  
MECH - HICET**

**Enclose:**

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Previous BoS Minutes-ATR
4. Copy of Regulation 2016
5. Regulation 2019
6. Curriculum and Syllabi



**Copy:**

1. The Principal
2. Dean Academics
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## ***Hindusthan College of Engineering and Technology***

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Othakalmandapam Post, Coimbatore – 641 032

Date: 04.04.2019

### **MINUTES OF BOARD OF STUDIES MEETING**

Name of the Department: **Management Sciences (MBA)**

The Fourth Board of Studies meeting of Regulation 2016 for the academic year 2019-2020 was conducted on 04.04.2019 at 11.00 pm in the Conference room / Boardroom.

The following members were present.

<b>S.No</b>	<b>Name of the Person</b>	<b>Department</b>	<b>Position</b>
1	Dr. K.Samuvel	MBA	Chairman
2	Dr. M. Bhuvaneshwari	MBA	Member
3	Dr. S Kamala Saravanan	MBA	Member
4	Dr.K.Nithyavathi	MBA	Member
5	Prof.V.Kanimozhi	MBA	Member
6	Dr.V.R Nedunchezian	MBA	Academic Expert 1
7	Dr.Rupa Gunaseelan	MBA	Academic Expert 2
8	Dr.C V Madhusudhanan		Industrialist
9	Mr. S.Harikishore		Alumni
10	Dr. R.Krishnaveni	MBA	University Nominee

- The Chairman welcomed the University nominee, Subject experts, special invitees and all the internal members for the Board of studies meeting.
- The chairperson briefly explained the salient features of Regulation R2016 to all the BoS members



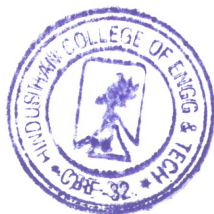
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Department Advisory Committee (DAC).
- The feedback received on the curriculum by the stakeholders were presented.
- Followed by, the chairman presented the suggestions given by the BoS experts and was approved.

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

- In “16BA1001- Professional Skill Lab for Managers”, 5% of syllabus was changed from the Regulations 2016
- In “16BA1203- Total Quality Management”, 10% of syllabus was changed from the Regulations 2016
- In “16BA2203- Marketing Management”, 5% of syllabus was changed from the Regulations 2016
- In “16BA3306 - Investment Management”, 5% of syllabus was changed from the Regulations 2016
- In “16BA3303- Retail Management”, 5% of syllabus was changed from the Regulations 2016
- In “16BA3701- Business Plan Development”, 3% of syllabus was changed from the Regulations 2016

### **General Recommendation**

- Members had a detailed discussion about Social Immersion Project, General Interest courses like Elementary Hindi, Yoga, and Theatre.
- Members had a discussion on one mandatory online certification course in the area of specialization.
- Industry expert Dr.C V Madhusudhanan was ready to cooperate for an FDP in Legal Aspects of Business
- Credit Transfer- Dr.V.R Nedunchezian suggested to incorporate transfer credit for online courses and substitutes for specialization course and effect transfer to be added in the forthcoming Regulation
- Alumni assured us the support in sharing industry experiences with students.



**The following resolutions were made in the Board of Studies Meeting**

1. In almost all the courses, a change has been made as per the Local, Regional, National and Global needs.
2. All the courses in the curriculum are framed based on the employability, skill development and entrepreneurship context to meet the industry needs.
3. The Curriculum and syllabi of Regulation R 2016 for Management courses were passed by Management Sciences Board and permitted to move on Academic Council by BoS members for students admitted during the academic year 2019-2020 onwards.
4. Chairman conveyed, the suggestions given by the Board of Studies members are to be incorporated in Regulation R 2016.

The meeting ended with a vote of thanks at 12:30 pm.

  
**Chairman**  
**Board of Studies**

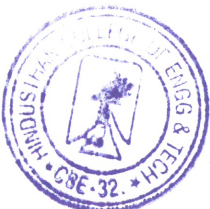
**Enclose:**

1. Previous BoS Minutes - ATR
2. Copy of Anna University Regulation 2016
3. Curriculum and Syllabi

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**Chairman - BoS**  
**MBA - HiCET**





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Othakalmandabam Post, Coimbatore – 641 032

Date:13.04.19

## MINUTES OF BOARD OF STUDIES MEETING

### Department of Master of Computer Applications

The Fourth Board of Studies meeting of Regulation 2016 (revised) for the Academic year 2019-2020 was conducted on 13.04.2019 at 11.30 am. in the Library Board Room.

The following members were present:

S.No	Name of the Person	Department	Position
1	Dr.A.R.Jayasudha	Professor / Head, Department of MCA, Hindusthan College of Engineering and Technology.	Chairman
2	Dr.B.Ramadoss	Prof & Head , National Institute of Technology, Tiruchy	University Nominee
3	Dr.K.S.Palanisamy	CSE Department, Coimbatore Institute of Technology	Subject Expert 1
4	Mrs.M.Nirmala	Assistant Professor, Department of MCA, Hindusthan College of Engineering and Technology.	Member
5	Mrs.S.Lakshmi Devi	Assistant Professor, Department of MCA, Hindusthan College of Engineering and Technology.	Member
6	Mrs.K.Kavitha	Assistant Professor, Department of MCA, Hindusthan College of Engineering and Technology.	Member
7	Mr. R.Sathish Kumar,	Iexempler Software India (P) Ltd, Coimbatore	Representative from Industry
8	Mr.Leo Andrew Ezhil	TCS, Chennai	Alumni Member



The following member could not attend the meeting due to other engagements.

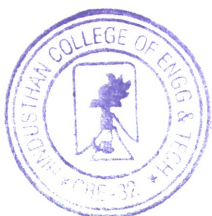
1. Mr. R.Sathish Kumar, I exemplar Software India (P) Ltd, Coimbatore,  
- Representative from Industry.
  2. Mr.Elo Andrew Ezhil, TCS, Chennai - Alumni Member
- The chairman of the BoS, Dr. A.R.Jayasudha welcomed all the dignitaries and internal members for the fourth Board of Studies meeting.
  - The chairperson briefly explained the Salient features of Regulation 2016 to all the BoS members.
  - The chairman gave an outline of the changes to be made in the curriculum given by Curriculum Development Cell (CDC) & Department Advisory Committee (DAC).

**Department specific Board of Studies Discussion / Suggestions:**

- Dr. B. Ramadoss (Anna University Nominee) suggested to include Accounting and Financial Management paper as a core paper.
- Experts suggested that Software testing and Software Quality Management subjects can be combined together as Software Testing and Quality Assurance.
- Dr. K.S Palanisamy (Subject Expert) suggested that Cyber security and Network Security subjects can be combined as Cryptography and Network Security.
- Dr B. Ramadoss (Anna University Nominee) suggested that Network Security can be modified as Information Security.
- Experts suggested adding Artificial intelligence, Predictive Analytics, Digital Image Processing, Human Computer Interaction, Technologies for Big Data and Enterprise Applications as Elective subjects.
- Expert Suggested that there is no separate Graduate Attributes. Instead Program Outcomes are to be regarded as Graduate Attributes.

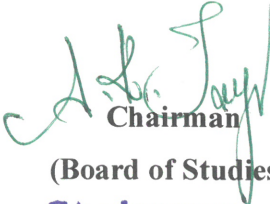
**The following resolutions are made in the Board of Studies meeting:**

- In almost all the courses, changes have not been done as there were no 2019 – 2020 batch students.



- All the courses in the curriculum are framed based on Employability, Entrepreneurship and Skill Development context to meet the industry needs.

The meeting ended with thanks to the members by Chairman at 12.30 pm

  
**Chairman**  
**(Board of Studies)**  
**Chairman - BoS**  
**MCA - HiCET**

**Enclose:**

1. Previous Bos Minutes – ATR
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Date: 12.04.2019

## MINUTES OF BOS MEETING

Name of the Department: **Electronics and Communication Engineering**

The Fourth Board of Studies meeting of ME ECE Regulation 2016 (Revised) for the academic year 2019-20 was conducted on 12.04.19 at 10.30 am in Hindusthan College of Engineering and Technology in the Board room.

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr.P.Rajeswari	Professor and Head , Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Chairman
2	Dr.S.Subha Rani,	Professor, Department of Electronics and Communication, PSG College of Technology, Coimbatore.	University Nominee
3	Dr. C.Vasanthanayaki,	Professor and Head , Department of Electronics and Communication, Government College of Engineering, Salem	Subject Expert
4	Dr. S.Uma Maheswari,	Professor, Department of Electronics and Communication, Coimbatore Institute of Technology, Coimbatore	Subject Expert
5	Mr.M.Vijayakumar,	Facility Development and Automation Head, Facility Development and Automation, Roots Industries India Limited, Coimbatore.	Industry Expert
6	Dr.R.Sabitha	Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
7	Dr. P.Vijayalakshmi	Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
8	Dr.A.Kishore kumar	Associate Professor , Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore	Member

9	Mr.P.F.Khalelur Rahiman	Associate Professor Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
10	Ms.K.Rameena Sri,	Senior SW Engineer, Robert Bosch Engg and Business Solution Ltd, Coimbatore.	Alumni

The following member could not attend the meeting due to other engagements.

Ms.K.Rameena Sri,  
Senior SW Engineer,  
Robert Bosch Engg and Business Solution Ltd,  
Coimbatore.

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- The chairperson gave a brief overview of the key features of Regulation 2016 (Revised) to all members of the Board of Supervisors.
- Chairman also 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 in the curriculum to be in line with the industry needs
- The feedback received on curriculum by the stakeholders were presented.
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 12.03.2018, was approved.
- All the courses in the curriculum are framed based on Employability, Entrepreneurship and Skill Development context to meet the industry needs.

**Comments by Experts:**

1. Subject expert Dr. C.Vasanthanayaki suggested to increase the number of professional electives to 6.
2. Subject expert Dr. S.Uma Maheswari suggested that Course Objectives may be more general in a single line and course outcomes being more specific starting with an active verb. The course outcomes should be able to map with the Program outcomes from PO1 to PO12.

**General Comments by the BoS Members:**

1. For laboratory courses syllabus reference has to be given as books or department



manuals.

2. Standard Text and Reference books should be preferred for all subjects with recent editions.

**The following resolutions were made in the Board of Studies meeting,**

- In almost all the courses, changes have been done as per Local, Regional, National and Global needs.
- All the courses in the curriculum are framed based on Employability, Entrepreneurship and Skill Development context to meet the industry needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the I to IV semester subjects for the students admitted during the academic year 2019 - 2020 onwards was permitted to move on to Academic Council.
- The curriculum and syllabus of Regulation 2016 (Revised) for the Mathematics subject was passed by the Science and Humanities board and permitted to move on to Academic Council by the BoS members of Electronics and Communication Engineering for the students admitted during the academic year 2018-2019 and onwards.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.



**Chairman**

**(Board of Studies)**

**Chairman - BoS  
ECE - HiCET**

**Enclose:**

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