



Hindusthan College of Engineering and Technology
(An Autonomous Institution, Approved by AICTE, New Delhi,
Accredited with 'A' Grade by NAAC, Affiliated to Anna University)
Valley Campus, Pollachi Highway, Coimbatore – 641032



Date: 04.09.2020

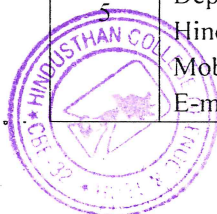
MINUTES OF BOARD OF STUDIES MEETING

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

On account of Pandemic situation, the Fifth Board of Studies meeting of Regulation 2019 for the academic year 2020-21 (ODD SEMESTER) was conducted on 04.09.2020 through Online via Google meet.

The following members were present:

S.No.	Name and Affiliation	Subject	Position
1	Dr. K.P.Uma HoD of Science and Humanities, Hindusthan College of Engineering & Technology Coimbatore-641 032 Mobile No.:9442021062 E-mail: umamaths95@gmail.com	Mathematics	Chairman
2	Ms. A. Narmatha Assistant Professor of Mathematics Hindusthan College of Engineering & Technology Coimbatore-641 032 Mobile No.: 9843268171 E-mail: narmadhakrishna@gmail.com	Mathematics	Member
3	Dr. K. Sivakumar Associate Professor of Physics Hindusthan College of Engineering & Technology Coimbatore-641 032 Mobile No.: 9842048708 E-mail:sivakphy@gmail.com	Physics	Member
4	Ms. B. Jeyagowri Assistant Professor of Chemistry Hindusthan College of Engineering & Technology Coimbatore-641 032 Mobile No.: 9894245562 E-mail:gowrivasu2007@gmail.com	Chemistry	Member
5	Ms. M. Narmatha 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	Dr. C.Porkodi Associate Professor, Department of Mathematics, PSG College of Technology,	Mathematics	University Nominee
7	Dr.N.Muthukumarasamy, Prof. and Head Department of Physics. Coimbatore Institute of Technology. Coimbatore – 641 014. Mobile No.9442954202 Vishnukutty2002@yahoo.co.in	Physics	Subject Expert
8	Dr.T.Palanisamy, 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	Dr. P.A.PERIASAMY Associate Professor in Chemistry, Dr.Mahalingam Collège of Engineering and Technology	Chemistry	Subject Expert
10	Dr.M.G.Priya, 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) & 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 29.03.2019 was approved.

Recommendations by BoS members (Subject Related)

Subject Expert of English Dr.Priya Suggested to rephrase the Course outcomes of both Technical English and Business English.



Dr.C.Porkodi, University nominee , Subject Expert Dr.T.Palanisamy and DAC members Provided the following suggestions on Mathematics Papers and they may be implemented in the forth coming academic year or at the time of further syllabus revision.

- ✓ 19MA1101- Calculus and 19MA2101 - Differential Equations and Complex Variables.
- ✓ To change the order of units in these courses.
- ✓ 19MA2102 - Complex Variables and Transform Calculus and 19MA2103 - Linear Algebra, Numerical Methods and Transform Calculus- It is recommended changing Transform Calculus as Laplace Transformation in these courses.
- ✓ 19MA2104 - Differential Equations and Linear Algebra - Basic Concepts of Vector Spaces may be introduced.
- ✓ 19MA3151 - Statistics and Queuing Theory (IT)- Normal test may be included in the IV unit.
- ✓ Name of the Unit II may be changed as Theoretical Distribution.
- ✓ 19MA3104 - Discrete Mathematics And Graph Theory (CSE & AI)- Concept of Relations and Functions may be included
- ✓ 19MA4152 - **Statistics & Numerical Methods** - Large Samples may be included in Unit II.

(COMMON TO AGRI, BM & FT

The following 2020 Regulation Mathematics Papers for PG were introduced and passed by Board of Science and Humanities and permitted to move on Academic Council by the Board of Science and Humanities.

- ❖ 20MA1102- **ADVANCED MATHEMATICS FOR ELECTRICAL AND ELECTRONICS ENGINEERS**
- ❖ 20MA1103- **MATHEMATICAL FOUNDATIONS OF CSE**
- ❖ 20MA1104- **APPLIED MATHEMATICS FOR ENGINEERS (M.E CAD/CAM)**

Suggestions of Subject Expert Dr.N.Muthukumarasamy of Physics are given below

19PH1151 -Applied Physics-UNIT – III- To minimize the heaviness of the unit topics Fresnel diffraction at single slit can be omitted

19PH2151-Materials science

UNIT – V- The word Viscosity is included in the title of the unit. To minimize the heaviness of the unit topics Magnetostrictive generator can be omitted. It is suggested to include the topic Poiseuille's method for determining coefficient of viscosity of a liquid.

Suggestions of Subject Expert Dr. P.A.PERIASAMY of Chemistry are given below

19CY1151 - Engineering Chemistry- In Unit III, in lab component Potentiometric titrations experiment may be included instead of any one of three Conduct metric titrations.

19CY2151 –Environmental Studies- No changes.



GENERAL SUGGESTIONS: It is suggested to introduce the following Additional Credit courses to enrich the knowledge of the students.

Entrepreneurship & Innovation

SEM I – AERO,AUTO,AI&ML, BME, CSE,ECE,EEE,EIE & IT

SEM II –AGRI, CHEMICAL, CIVIL, FT, MECH & MECHATRONICS

Career Guidance level I – Personality, Aptitude and Career Guidance (Semester I)

Career Guidance level II- Personality, Aptitude and Career Guidance. (Semester II)

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.
- New Programme Artificial Intelligence was introduced in this academic year and Experts Suggested to follow the same Basic Science and Humanities papers of CSE programme.
- Courses offered by IBM may be opted by CSE/IT/ECE/AI and those courses were passed by the Board of Computer Science and permitted to move on Academic Council of Board of Science and Humanities.
- 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.




Chairman
(Board of Studies)



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Date: 10.03.2020

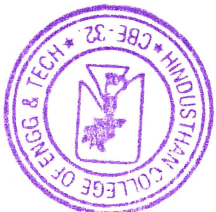
BOARD OF STUDIES MEETING

Name of the Department: **Aeronautical Engineering**

The fifth Board of Studies meeting of Regulation 2016 (Revised) & Regulation 2019 for the academic year 2020-21 was conducted on 10.03.2020 at 9.30 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.M.Ganesh	Assistant Professor, Department of Aeronautical Engineering, Hindusthan College of Engineering and Technology.	Member
7	Mr.R.Veeramanikandan	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.C. Pramodass	Proprietor. M/s. Naut Engineering Solutions, Coimbatore.	Alumni Member

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum and Development Cell (CDC) & Department Advisory Committee (DAC) and emphasized the importance of Employability courses in the curriculum to be in line with the industry needs.
- The Chairman briefly explained the salient features of Regulations 2016 (Revised) & Regulation 2019 to all the BoS members.
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting that was held during 08.04.2019 was approved.

Following are the Comments put forth by the Experts: (Regulations 2019)

1. Subject Expert (Dr.R. Kannan) suggested that, in semester 03, “19AE3002-Fluid Mechanics and Solid Mechanics Lab”, the number of experiments could be increased in focusing experiments based on microscopic examination of hardened & tempered samples, strain gauge, rosette analysis etc.
2. Subject Expert (Dr.R. Kannan) suggested that, in semester 03 “19AE3001- Aircraft Component Drawing Laboratory” Inclusion of GDNT in aeronautical perspective such as conversion of 2D and 3D drawings is essential in career perspective. The experiments based on cam, bell crank, etc are learnt only in the fourth semester. So, the basics of these designs can be included as study experiment.
3. Subject Expert (Dr.R. Kannan) suggested that, in semester III, the title of Unit – 4 in “19AE3201-Elements of Aeronautics” can be changed suitably.



4. Subject Expert (Dr.R. Kannan) suggested that, in semester 04, in "19AE4203 - Mechanics of Machines" subject replace vibration topic with basic manufacturing processes since vibration and elements of aero elasticity is a compulsory subject.
5. Also, the Subject Expert (Dr.P.S. Premkumar) suggested that, in semester 04, "19AE4251 - Aircraft structures-I" (Theory with lab component) include possible experiments with wide choice with fatigue tester-based experiments.
6. Semester -III Following Employability course for members approval
 - 19AE3001 - Aircraft Component Drawing Laboratory
7. Chairman presented and requested the board members to accept the syllabi of Regulation 2019 for III & IV semester Mathematics subjects which were passed by Science and Humanities board.

General Comments by the BoS Members:

1. 'Identification and Working of Equipment' can be included as any experiment in Laboratory course.
2. Theory with lab component course can be limited with 5 experiments.
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 Revised:

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of 2016 (Revised) for the V & VI 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 2016 (Revised) for the VII & VIII 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.
- Chairman conveyed that; the Suggestions given by the Board of Studies members are to be incorporated in 2016 (Revised).
- 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 current needs.



- 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 and Electrical and Electronics Engineering permitted board and permitted to move on Academic Council by the BoS members of Aeronautical Engineering for the students admitted during the academic year 2020-2021 and onwards.
- The curriculum and syllabus of Regulation 2019 for the III & IV semester Mathematics subjects were passed by the Science and Humanities board 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.
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for III and IV semesters of Regulation 2019 were introduced for B.E Aeronautical Engineering program for the students admitted in the academic year 2019-20 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 R2019.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

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



V.T. [Signature]
Chairman

(Board of Studies)

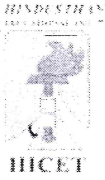
Enclose:

1. DAC meeting Minutes
2. Curriculum and Syllabi
3. ATR-BoS MoM

Copy:

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

4. All the Members of BoS
5. File
6. e Members of BoS
7. File



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Date: 01.09.2020

BOARD OF STUDIES MEETING

Name of the Department: **Automobile Engineering**

The Fifth Board of Studies meeting for the academic year 2020-21 was conducted on 30.08.2020 at 10.00 AM in the online mode in Google Meet. The agenda was to discuss the curriculum from semester I to VIII including all professional and open electives along with syllabus of semester III and IV of Regulation 2019 and Regulation 2016 (Revised) syllabus of all the courses.

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.M.Senthil Kumar	Professor, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai.	University Nominee
3	Dr.C.Jegadheesan	Associate Professor, Department of Automobile Engineering, Kongu Engineering College, Erode.	Subject Expert 1
4	Dr.S.Srihari	Assistant Professor, Department of Mechanical Engineering, Amrita Vishwa Vidyapeetham, Coimbatore.	Subject Expert 2
5	Mr.S.Nithin Kumar	Assistant General Manager, ELGI Equipment's Limited, Coimbatore.	Representative from Industry
6	Mr.R.Karivaradharaj	Mater Student, Kedge Business School, Bordeaux, France.	Alumni Member

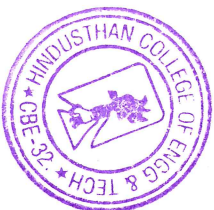


7	Mr. Naresh Mallireddy	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
8	Mr.Samuel Gemsprim	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
9	Mr.J.Krishnaraj	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
10	Mr.P.Barath Kannan	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
11	Mr.S.Ragu	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member
12	Mr.D.Naveenraj	Assistant Professor, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.	Member

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

Mr.R.Karivaradharaj (Alumni member)

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the Fifth 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) & Department Advisory Committee (DAC) and emphasized the importance of including Employability & 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 which was held during **05.04.2019** was approved.



Following are the Comments put forth by the Experts: — — — — —

Regulation 2016 (Revised) discussion:

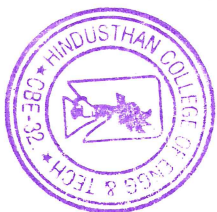
- The curriculum and syllabus of semester V and VI were presented by the BoS chairman along with the professional and open electives.
- No changes were suggested in the same.

Regulation 2019 Curriculum:

The Board of Studies approved the syllabi and curriculum with the following suggestions.

- After presentation of the curriculum, all the members found the curriculum as good and appreciated the department.
- All the board of members appreciated the Integration of Subjects with automotive core industry like Volvo Eicher, Royal Enfield, Ashok Leyland, Ford, Autodesk India, SVM etc.,
- Dr.M.Senthil Kumar found that the course 'Automotive Emission and pollution control' which is supposed to be offered in semester VII need to be shifted to any lower semesters of III year.
- Also, some futuristic electronic principles to be added and the course title may be changed as 'Advanced Electrical and Electronics'.
- 'Battery Technology' course should be added to professional electives.
- 'High Performance combustion systems' from Professional Elective (I) or 'Combustion Engineering' from professional elective (II) may be removed.
- Dr.Srihari has suggested that Automotive Info-tronics, Testing and Validation, Micro Electro mechanical systems may be offered as Professional Electives.
- Industrial expert Mr.Nithin has suggested to add the course to improve the presentation skills of students. Dr.M.Senthil Kumar also has strengthened his suggestion and it was decided to ask the students to present during their evaluation of internship/ in plant training during VI semester .
- Dr.Srihari has also enquired about the LTPC distribution for courses 'Technical English and Business English for Engineers', because tutorials have been importance instead of Practice.
- Semester III & IV Skill Development Courses are introduced for Members Approval.

- i) 19AU3001 - Computer Aided Drawing Lab (Autodesk India)



- ii) 19AU3002 - Automotive Components Lab Volvo – (Eicher & Royal Enfield)
 - iii) 19AU3203- Theory of Automotive Engines Volvo – (Eicher & Royal Enfield)
 - iv) 19AU4001 - Computer Aided Automotive Engine Components (Lab Autodesk India)
 - v) 19AU4002 - Two and Three Wheelers Technology Lab (Royal Enfield)
 - vi) 19AU4202- Automotive Engine Components Design Volvo –(Eicher & Royal Enfield)
- Semester IV Employability Courses are introduced for Members Approval.
 - i) 19AU4203 - Two and Three Wheelers Technology (Royal Enfield)

With these points, the curriculum discussion was done.

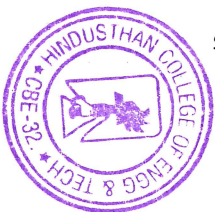
The following resolutions were made in the Board of Studies meeting,

For Regulations 2016 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the V & VI 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 2016 (Revised) for the VII & VIII 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.
- Chairman conveyed that; the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- 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 current needs.
- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were passed by the Science and Humanities, Computer Science and Engineering and Mechanical Engineering boards and permitted to move on to Academic Council by the BoS members of Automobile Engineering for the students admitted during the academic year 2020-2021 and onwards.
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for III and IV semesters of Regulation 2019 were introduced for B.E Automobile Engineering



program for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.

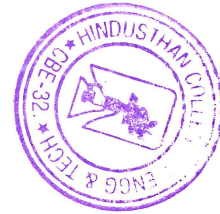
- Chairman conveyed that the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2019.
- Chairman conveyed that the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks by the Chairman at 11.30 A.M.


Chairman
(Board of Studies)

Enclose:

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Previous BoS Minutes-ATR
4. Copy of Regulation 2016 (Revised)
5. Regulation 2019 with amendments
6. 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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Date: 24.03.2020

BOARD OF STUDIES MEETING

Name of the Department: **Civil Engineering**

The Fifth Board of Studies meeting of Regulation 2016R & 2019 for the academic year 2020– 2021 was conducted on 24.03.2020 at 02.00 pm at ONLINE mode through Google Meet. (Meeting Link: <https://meet.google.com/qun-ungh-cjc>).

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, Hindusthan College of Engineering and Technology.	Member



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

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum and Development Cell & Department Advisory Committee (DAC).
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during **15.04.2019** was approved.

Following are the Comments put forth by the Experts:

- “19CE3201 – Mechanics of Fluids”, Fluid Mechanics by Streeter to be listed in Text Book
- “19CE3202 – Geology and Construction materials” Geology and Construction Materials to be combined as one subject and Concrete Technology to be included in the fourth semester.
- “19CE3203 – Surveying” More emphasis to be given on total station & its application than on EDM
- “19CE3001 – Survey Lab” Setting out of structures using total Station to be included, GPS can also be included
- “19CE3002 – Computer Aided Building Drawing” Classification of buildings, Byelaws, FSI to be included.

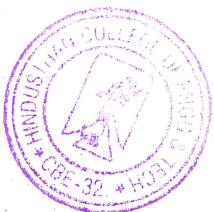


For Regulations 2016:

- Changes have been done as per the current needs in curriculum and syllabus of Regulation 2016.
- The curriculum and syllabi of 2016R for the V & VI 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 2016R for the VII & VIII 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.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in 2016R.
- 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 current needs.
- 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 and Electrical and Electronics Engineering permitted board and permitted to move on Academic Council by the BoS members of Civil Engineering for the students admitted during the academic year 2020-2021 and onwards.
- Based on Regulation 2016R, the revised curriculum and syllabi for III and IV semesters of R2019 were introduced for B.E Civil Engineering program for the students



admitted in the academic year 2019-20 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 2019.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks by the Chairman at 4.30 pm.

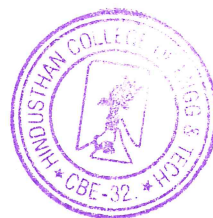


Chairman

(Board of Studies)

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Date: 29.08.2020

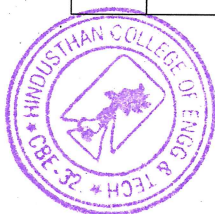
MINUTES OF BOARD OF STUDIES MEETING

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

The Sixth Board of Studies meeting of Regulation 2019 for the academic year 2020 - 2021 was conducted on 29.08.2020 at 10.30 am in ONLINE mode through Google Meet.

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.	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 Nedunchezian R	Professor, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore	Academic Expert 2
5	Mr Rajesh Kumar H	Founder, BuzzTech Training Institute, Coimbatore	Representative from Industry
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 Balamurugan C	Team Leader, KGiSL, Coimbatore	Alumni Member

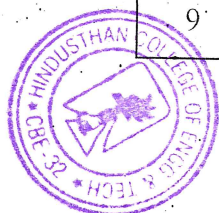


- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the third Board of Studies meeting.
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting which was held during **10.03.2020** was approved.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Department Advisory Committee (DAC) and emphasized the importance of including the Skill Development related courses in the curriculum to be in line with the industry needs.
- The Chairman also mentioned the revision of R2019 Syllabus which meets on higher order thinking levels based on the recommendations from stakeholder.

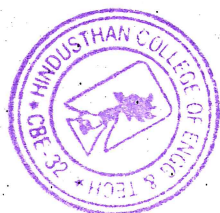
The following are the recommendations put forth by the BoS members,

1. As per the recent industry requirements and based on the educational policy, skill-oriented courses are planned to integrate into the curriculum as a choice-based courses from the first to seventh semester to bridge the gap between Industry and Academia.
2. Chairman BoS, presented the syllabus for the following courses that are to be added into the curriculum in the appropriate semesters:

S. No.	Semester	Core / Elective	Course Code	Course Title	No. of Credits
1	I	Core	19CS1152	Object oriented programming using Python (Theory with Lab Component)	3
2	II	Core	19CS2153	Java Fundamentals (Theory with Lab component)	3
3	III	Core	19CS3252	Clean Coding and Devops (Theory with Lab component)	4
4	IV	Core	19CS4204	Design Thinking (Theory)	3
5	IV	Core	19CS4003	Design Thinking Laboratory	1.5
6	V	Professional Elective-I	19CS5306	Predictive Modeling (Theory with Lab Component)	3
7	VI	Core	19CS6203	AI Analyst (Theory)	4
8	VI	Professional Elective-II	19CS6306	Business Intelligence (Theory)	3
9	VII	Professional Elective-III	19CS7306	Data Visualization (Theory)	3

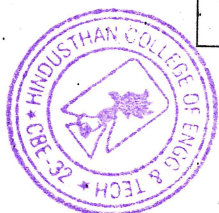


3. The syllabi are passed for two courses: Object oriented programming using Python and Java Fundamentals which will be offered in first and second semester respectively.
4. Subject Expert (Dr Nedunchezian) suggested to integrate the skill-oriented courses from the second semester onwards.
5. Industry Expert (Mr Rajesh Kumar) suggested to modify the practical experiment in Unit 4 of Object-oriented programming using Python.
6. University Nominee (Dr Anandhakumar) suggested not to give illustrative practical experiments in all the units and requested to handle the first semester integrated course by senior professors from the department to avoid implementation issues.
7. Chairman said that all the integrated courses will be handled by the leading Industry people who got certification in the specified field and they will be appointed as an Adjunct faculty.
8. University Nominee (Dr Anandhakumar) suggested to isolate and list out set of practical experiments after the unit 5 of the syllabus.
9. Chairman said that we have uniformly followed the format across all the departments including the credit points.
10. University Nominee (Dr Anandhakumar) suggested to provide minimum of 4 hours for all the practical experiments in each units in both Object-oriented programming using python and java fundamentals.
11. Industry Expert (Mr Rajeshkumar) asked to remove java applet from Java Fundamentals course since it's an outdated topic and suggested to include Java FX, multithreading and Streams concepts.
12. University Nominee (Dr. P. Anadhakumar) asked to expand Unit 4 and Unit 5 in Computer Networks. Since it will be easy to set the question paper for the external question paper setters if the sub topics are indicated clearly.
13. Subject Expert (Dr. Venkatesan) asked to include types of processors, and advanced microprocessors. He also suggested to include I5 and I7 processors as case study.
14. Subject Expert (Dr. R. Nedunchezian) asked to revise the contents of "Artificial Intelligence" course with the recent advancements and trends.
15. University Nominee (Dr. P. Anadhakumar) suggested to remove the topics "Blackberry and Windows phone" in Mobile Computing course.



16. Subject Expert (Dr. Venkatesan) suggested to move “Compiler Design” to elective list. With the replacement for this course, he asked to add “Object Oriented Analysis and Design” as a lab component.
17. Subject Expert (Dr. Venkatesan) asked to skip the topics in “Internet and Web Technology” that were already included in the previous courses.
18. Industry Expert (Mr. H. Rajesh Kumar) asked to remove EJB from Advanced Java Programming. He requested to revise the fifth unit completely and asked to change the text book.
19. University Nominee (Dr. P. Anadhakumar) asked to remove questionnaires from the R programming syllabus.
20. Alumni (Mr. C. Balamurugan) requested to include recent tools in “Big data analytics”.
21. Subject Expert (Dr. Venkatesan) asked to change the order of the books in Soft Computing course. He asked to interchange Text one and Reference 4.
22. Subject Expert (Dr Nedunchezian) suggested to update the versions of text books.
23. Subject Expert (Dr Nedunchezian) also suggested to increase the credit points for Internship / Industrial training.
24. University Nominee (Dr Anandhakumar) asked how the credit points were allocated.
25. Chairman said that the credit points were fixed as 165 credits across all the departments and even the semester credit points were fixed across all the departments.
26. University Nominee (Dr. Anandhakumar) accepted the same.
27. Chairman accepted the same and said all the suggestions will be updated. He also listed out the open elective courses that are offered to other departments based on R2016 Curriculum. Since Programming languages course was having 5 different programming languages to be studied by the students and non-circuit branch students felt it was difficult. Based on the suggestions by the Department Advisory Committee and comments from other department HOD’s, the following courses will be offered in near future:

S. No.	Semester	Core / Elective	Course Title	No. of Credits
1	VI	Open Elective - I	16CS6402 / Introduction to Java Programming	3
2	VII	Open Elective - II	16CS7403 / Foundation Skills in Information Technology	3



28. Members accepted to update the open elective courses in R2016 Curriculum.
29. Chairman informed that, the following Life Skills Open elective courses are introduced in addition to existing courses for R2016 (for the students admitted in the year of 2018 onwards)

16LS6401 – General Studies for Competitive Examinations

16LS6402 – Human Rights, Women's Rights and Gender Equality

16LS6403 – Human Values

16LS6404 – Indian Constitution and Political System

16LS6405 – Yoga for Human Excellence

- **The Life Skill open elective syllabus of Regulation 2016 for the semesters VI & VII were passed by the board of ECE and the same approved by the BoS members of Computer Science and Engineering for the students admitted in the academic year of 2018-2019 and onwards.**
- **The Regulation 2016/2016 Revised, Curriculum and Syllabi of semester VI for the students admitted in the academic year 2018-2019 and onwards is forwarded by the Board of Studies to the Standing committee/Academic Council and recommends for approval.**

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 syllabi of R2016/2016R for the VII & VIII 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.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in R2016/2016R.
- 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 current needs.



- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were passed by the Science and Humanities 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 2021-2022 and onwards.
- The curriculum and syllabi of R2019/2019R for the III & IV semester subjects of B.E Computer Science and Engineering program for the students admitted during the academic year 2020 - 2021 and onwards was permitted to move on to Academic Council.
- Based on Regulation 2016/2016R, the revised curriculum and syllabi for V and VI semesters of R2019 were introduced for B.E Computer Science and Engineering program for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.
- The syllabus for Skill Development courses are permitted to move on Academic Council by the BoS members of Computer Science and Engineering.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in R2019/2019R.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks to the Chair at 12.00 P.M.



Chairman
(Board of Studies)

Enclose:

1. 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



Date: 10.03.2020

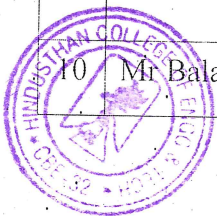
BOARD OF STUDIES MEETING

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

The fifth Board of Studies meeting of Regulation 2019 for the academic year 2020-2021 was conducted on 10.03.2020 at 11.30 AM 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.	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	Mr Rajesh Kumar H	Founder, BuzzTech Training Institute, Coimbatore	Representative from Industry
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 Balamurugan C	Team Leader, KGiSL, Coimbatore	Alumni Member



- 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 **09.04.2019** was approved.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Department Advisory Committee (DAC).

Following are the Comments put forth by the Experts:

- Subject Expert (Dr. R. Nedunchezian) asked to include Software Engineering as a separate course. He also requested to add “Software Testing” as one of the unit.
- Subject Expert (Dr. Venkatesan) suggested to add Automated testing tools in Software Testing course. He also requested to add CMM and PMM topics in either fourth or fifth unit.
- Subject Expert (Dr. Venkatesan) insisted to add The Art of Software Testing, Second Edition, Glenford J. Myers as one of the Text book.
- University Nominee (Dr. P. Anadhakumar) asked to move “Fundamentals of Open Source Software” as an elective course.
- University Nominee (Dr. P. Anadhakumar) asked to update the edition and provide latest version or reprint year of the text and reference books in the syllabus. He also insisted to have at least four lines of topics in all the units.
- Semester III & IV - Skill Development courses for members approval
 - 19CS3201 - Data Structures
 - 19CS3002 - Database Management Systems
 - 19CS4201 - Java Programming
 - 19CS4202 - Software Engineering
 - 19CS4203 - Operating Systems
 - 19CS4251 - Design And Analysis Of Algorithm

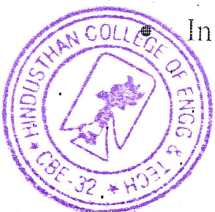
General Comments by the BoS Members:

- University Nominee (Dr. P. Anadhakumar) asked to revise the course names of Additional credit course that will be offered by Placement.

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 syllabi of R2016/2016R for the V & VI 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 R2016/2016R for the VII & VIII 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.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in R2016/2016R.
- 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 current needs.
- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were passed by the Science and Humanities 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 2020-2021 and onwards.
- Based on Regulation 2016/2016R, the revised curriculum and syllabi for III and IV semesters of R2019 were introduced for B.E Computer Science and Engineering program for the students admitted in the academic year 2019-20 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 R2019/2019R.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks by the Chairman at 12.45 P.M.



S.S.H.
Chairman
(Board of Studies)

Enclose:

1. 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



Date: 04.09.2020

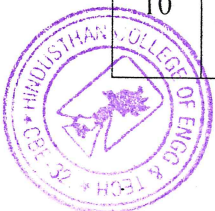
BOARD OF STUDIES MEETING

Name of the Department: Electrical and Electronics Engineering

The Fifth Board of Studies meeting of Regulation 2016 (Revised) & Regulation 2019 for the academic year 2020-21 was conducted on 04.09.2020 at 2.30 PM in Online mode.

The following members were present in online Google meet platform.

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 st 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
8	Dr. R. Rajesh Kanna	Assistant Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore.	Member
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



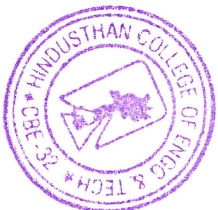
- The Chairman-BoS welcomed the University nominee, Subject experts and all the internal members for the fourth Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2016 (Revised) & Regulation 2019 to All the BoS members
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Department Advisory Committee (DAC).
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 11.04.2019, was approved.

Following are the Comments put forth by the Experts:

1. In Semester-III 19EE3251-Measurements and Instrumentation, course title may be renamed as 19EE3251-Electrical and Electronic Measurements.
2. In “19EE3001-Electronic Devices and Circuits Laboratory”, the term design (given in Ex.No. 5 may be replaced by Implementation.
3. In “19EE4201-Electrical Machines II” syllabus is too heavy and suggested to be modified.
4. In Semester IV, the title of the Electrical Energy Generation may be renamed as Renewable and Non-Renewable Energy Sources.
5. Renewable and Non-Renewable Energy Sources and Digital Signal Processing may be swapped mutually between fifth semester and fourth semester respectively (This corrections may be consider in curriculum itself)
6. In “19EE4251-Digital Logic Circuits”, in the lab component experiments, the term design may be replaced by Implementation.
7. In “Analog and Integrated Circuits Laboratory” title may be suitably changed as “19EE402-Integrated Circuits Laboratory”

General Comments by the BoS Members:

1. Data Structure and Object Oriented programming may be included in third year either in core or elective.
2. In theory with lab components course experiments can be limited to 5 experiments.
3. Standard reference and text books to be chosen with recent editions.



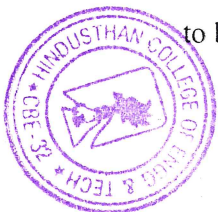
The following resolutions were made in the Board of Studies meeting,

For Regulations 2016 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the V & VI 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 (Revised) for the VII & VIII 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.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- 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 current needs.
- The curriculum and syllabus of Regulation 2019 with amendments for the I & II semester subjects were passed by the Science and Humanities, Computer Science and Engineering and Mechanical Engineering boards are permitted to move on Academic Council by the BoS members of Electrical and Electronics Engineering for the students admitted during the academic year 2020-2021 and onwards.
- The curriculum and syllabus of Regulation 2019 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 Electrical and Electronics Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for III and IV semesters of Regulation 2019 with amendments were introduced for B.E Electrical and Electronics Engineering program for the students admitted in the academic year 2019-20 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 2019.



- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

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


Chairman
(Board of Studies)

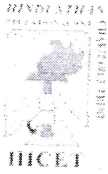
Enclose:

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Previous BoS Minutes-ATR
4. Copy of Regulation 2016 (Revised)
5. Regulation 2019 with amendments
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

(An Autonomous Institution, Approved by AICTE, New Delhi,
Accredited with 'A' Grade by NAAC, Affiliated to Anna University)

Valley Campus, Pollachi Highway, Coimbatore – 641032



Date : 14.03.20

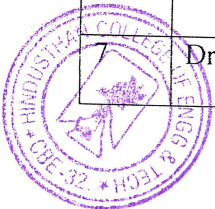
MINUTES OF BOS MEETING

Name of the Department: Electronics and Communication Engineering

The Fifth Board of Studies meeting of BE ECE Regulation 2016 (Revised) & Regulation 2019 for the academic year 2020-21 was conducted on 14.03.20 at 10.00 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 andCommunication, 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 andCommunication, 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 andCommunication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
7	Dr. P.Vijayalakshmi	Professor, Department of Electronics and	Member



		Communication, Hindusthan College of Engineering and Technology, Coimbatore.	
8	Dr.A.Kishore kumar	Associate Professor , Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore	Member
9	Mr.B.Veerassamy	Associate Professor Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore.	Member
10	Dr.R.Michaelraj Kingston.	Associate Professor Department of Electronics and Communication, Sri Eshwar College of Engineering and Technology, Coimbatore..	Alumni

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the Fifth Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2016 (Revised) & 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 & Department Advisory Committee (DAC).
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 12.04.19, was approved.

Following are the Comments put forth by the Experts:

1. Subject Expert (Dr.S.Subha Rani) suggested that, in 3rd sem, 'Electronic Circuits', MOSFET biasing may be included.

General Comments by the BoS Members:

1. Course outcome should be framed as per Blooms Taxonomy
2. 'Laboratory experiments composition should be 60% discrete and 40% simulation in lower semesters and it should be 50:50 in higher semesters.
3. Theory with lab component course can be limited with 5 experiments.



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

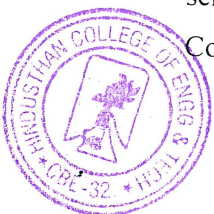
The following resolutions were made in the Board of Studies meeting,

For Regulations 2016 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the V & VI 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 (Revised) for the VII & VIII 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.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- 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 current needs.
- The curriculum and syllabus of Regulation 2019 with amendments for the I & II semester subjects were passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering and Electrical and Electronics Engineering boards are permitted to move on Academic Council by the BoS members of Electronics and Communication Engineering for the students admitted during the academic year 2020-2021 and onwards.
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for III and IV semesters mathematical papers of Regulation 2019 of with amendments were introduced by Science and Humanities board and accepted by B.E Electronics and Communication Engineering program for the students admitted in the academic year 2019-20 and onwards
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for III and IV semesters of Regulation 2019 with amendments were introduced for B.E Electronics and Communication Engineering program for the students admitted in the academic year



2019-20 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 2019.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

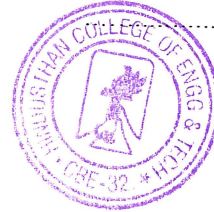
The meeting ended with thanks by the Chairman at 11.30 A.M.


Chairman

(Board of Studies)

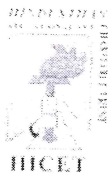
Enclose:

1. CDC Minutes
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5. Regulation 2019 with amendments
6. Curriculum and Syllabi



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Hindusthan College of Engineering and Technology
(An Autonomous Institution, Approved by AICTE, New Delhi,
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Valley Campus, Pollachi Highway, Coimbatore – 641032



Date : 29.08.20

MINUTES OF BOS MEETING

Name of the Department: Electronics and Communication Engineering

The Sixth Board of Studies meeting of BE ECE Regulation 2016 (Revised) & Regulation 2019 for the academic year 2020-21 was conducted through online on 29.08.20 at 10.00 am in Hindusthan College of Engineering and Technology in Google Meet (inw-xxxo-acu).

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



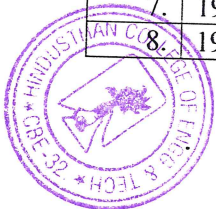
6	Dr.R.Sabitha	Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
7	Dr. P.Vijayalakshmi	Professor, Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
8	Dr.A.Kishore kumar	Associate Professor , Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore	Member
9	Mr.B.Veerasley	Associate Professor Department of Electronics and Communication, Hindusthan College of Engineering and Technology,Coimbatore.	Member
10	Dr.R.Michaelraj-Kingston,	Associate Professor Department of Electronics and Communication, Sri Eshwar College of Engineering and Technology, Coimbatore..	Alumni

Content to be viewed by the Experts:

Curriculum for Regulation 2019 with the addition of skill oriented courses.

Subjects included in BE ECE 2019 curriculum as skill oriented courses

S.No	Name of the courses
1.	19CS1152-Object Oriented Programming using Python
2.	19CS2153-Java Fundamentals
3.	19IT3231-RDBMS
4.	19IT4231-Design Thinking
5.	19CS5231-Angular JS
6.	19CS6231-Node JS and Micro services Course
7.	19EC7203-IoT and Spring Framework
8.	19EC7305-Blockchain



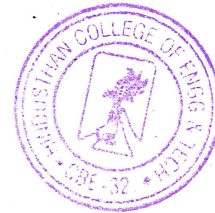
Suggestions given

S. No	Experts suggestions and comments	Measures /Modification taken
1.	The uniqueness of the courses to be offered as skill oriented courses can be mentioned.	Suggestions incorporated
2.	Instructional hours for lab and theory course can be given as 30+15 instead of 45 hours.	
3.	Control system should be included as mandatory course in the curriculum and should not be given as choice.	
4.	EEC course code to be given for skill oriented courses.	

The curriculum for regulation 2019 with the addition of skill oriented courses for the academic year 2020-21 is ratified and approved by the above committee.



CHAIRMAN BOARD OF STUDIES



1. Enclosed Approved curriculum

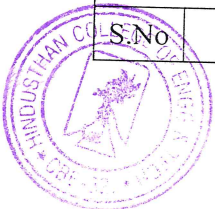
HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
(Approved by AICTE, New Delhi, Accredited by NAAC with 'A' Grade)
COIMBATORE 641 032

**B.E. ELECTRONICS AND COMMUNICATION ENGINEERING
CURRICULUM AND SYLLABI**

ECE I SEMESTER											
S.No	CODE	Courses	CAT	L	T	P	C	CIA	ESE	TOTAL	
Theory											
1	19HE1101	Technical English	HS	3	0	0	3	25	75	100	
2	19MA1103	Calculus and Differential Equations	BS	3	1	0	4	25	75	100	
Theory & Lab Component											
3	19PH1151	Applied Physics	BS	2	0	2	3	50	50	100	
4	19CY1151	Chemistry for Engineering	BS	2	0	2	3	50	50	100	
5	19CS1151	Python Programming and Practices	ES	2	0	2	3	50	50	100	
6	19EC1153	Electron devices and Electric Circuits	ES	2	0	2	3	50	50	100	
Practical Courses											
7	19HE1071	Language Competency Enhancement Course - I	HS	1	0	0	1	50	50	100	
Mandatory Course											
8	19MC1191	Induction Programme	MC	0	0	0	0	0	0		
Total Credits				15	1	8	20				700

ECE II SEMESTER											
S.No	CODE	Courses	CAT	L	T	P	C	CIA	ESE	TOTAL	
Theory											
1	19HE2101	Business English for Engineers	HS	3	0	0	3	25	75	100	
2	19MA2103	Linear Algebra, Numerical Methods and Transform Calculus	BS	3	1	0	4	25	75	100	
Theory & Lab Component											
3	19PH2151	Material Science	BS	2	0	2	3	50	50	100	
4	19CY2151	Environmental Studies	BS	2	0	2	3	50	50	100	
5	19CS2152	Essentials of C & C++ Programming	ES	2	0	2	3	50	50	100	
6	19ME2154	Engineering Graphics	ES	1	0	4	3	50	50	100	
Practical Courses											
7	19ME2001	Engineering Practices	ES	0	0	4	2	50	50	100	
8	19HE2071	Language Competency Enhancement Course - II	HS	1	0	0	1				
Total Credits				14	1	14	22				700

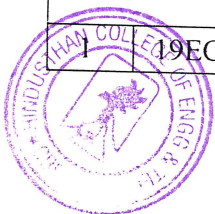
ECE III SEMESTER											
S.No	CODE	Courses	CAT	L	T	P	C	CIA	ESE	TOTAL	



Theory										
1	19MA3102	Fourier analysis and transforms	BS	3	1	0	4	25	75	100
2	19EC3201	Digital Electronics	PC	3	0	0	3	25	75	100
3	19EC3202	Signals and Systems	PC	3	1	0	4	25	75	100
4	19EC3203	Electronic Circuits	PC	3	0	0	3	25	75	100
Theory & Lab Component										
5	19CS3252	Oops using Java	PC	2	0	2	3	50	50	100
Practical Courses										
6	19EC3001	Electronic circuits lab	PC	0	0	3	1.5	50	50	100
7	19EC3002	Digital Electronics Lab	PC	0	0	3	1.5	50	50	100
Mandatory Course										
8	19MC3191	Indian Constitution	MC	2	0	0	0	0	0	0
Total Credits				16	2	8	20			700

ECE IV SEMESTER											
S.No	CODE	Courses	CAT	L	T	P	C	CIA	ESE	TOTAL	
Theory											
1	19MA4104	Probability and Random Processes	BS	3	1	0	4	25	75	100	
2	19EC4201	Electro Magnetic Fields and waves	PC	3	1	0	4	25	75	100	
3	19EC4202	Analog Communication	PC	3	1	0	4	25	75	100	
4	19EC4203	Linear Integrated Circuits	PC	3	0	0	3	25	75	100	
Theory & Lab Component											
5	19EC4251	Control Systems	PC	2	0	2	3	50	50	100	
Practical Courses											
6	19EC4001	Linear Integrated Circuits Lab	PC	0	0	3	1.5	50	50	100	
7	19EC4002	Analog communication Lab	PC	0	0	3	1.5	50	50	100	
Mandatory Course											
8	19MC4191	Essence of Indian Traditional Knowledge	MC	2	0	0	0	0	0	0	
Total Credits				16	3	8	21			700	

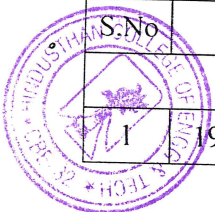
ECE V SEMESTER											
S.No	CODE	Courses	CAT	L	T	P	C	CIA	ESE	TOTAL	
Theory											
	19EC5201	Microprocessor and Microcontroller	PC	3	0	0	3	25	75	100	



2	19EC5202	Transmission lines and Wave Guides	PC	3	1	0	4	25	75	100
3	19EC5203	VLSI Design	PC	3	0	0	3	25	75	100
4	19EC53XX	Professional Elective I	PE	3	0	0	3	25	75	100
Theory & Lab Component										
5	19EC5251	Data Communication and Networks	PC	2	0	2	3	50	50	100
6	19EC5252	Digital Signal Processing	PC	2	0	2	3	50	50	100
Practical Courses										
7	19EC5001	VLSI Design Lab	PC	0	0	3	1.5	50	50	100
8	19EC5002	Microprocessors and Microcontrollers Lab	PC	0	0	3	1.5	50	50	100
Total Credits				16	1	10	22			800

ECE VI SEMESTER											
S.No	CODE	Courses	CAT	L	T	P	C	CIA	ESE	TOTAL	
Theory											
1	19EC6181	Principles of Management	HS	3	0	0	3	25	75	100	
2	19EC6201	Digital Communication	PC	3	0	0	3	25	75	100	
3	19EC6203	Antenna and Wave Propagation	PC	3	1	0	4	25	75	100	
4	19EC63XX	Professional Elective II	PE	3	0	0	3	25	75	100	
5	19XX64XX	Open Elective-I	OE	3	0	0	3	25	75	100	
Theory & Lab Component											
6	19EC6251	Embedded Systems and IOT	PC	2	0	3	3.5	50	50	100	
Practical Courses											
7	19EC6001	Digital Communication Lab	PC	0	0	3	1.5	50	50	100	
8	19EC6701	Internship	EEC	0	0	0	1	0	0	0	
Total Credits				17	1	6	22			700	

ECE VII SEMESTER											
S.No	CODE	Courses	CAT	L	T	P	C	CIA	ESE	TOTAL	
Theory											
1	19EC7201	Digital Image Processing	PC	3	0	0	3	25	75	100	

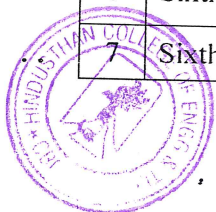


2	19EC7202	Optical and Microwave Engineering	PC	3	0	0	3	25	75	100
3	19EC73XX	Professional Elective III	PE	3	0	0	3	25	75	100
4	19XX74XX	Open Elective II	OE	3	0	0	3	25	75	100
Theory & Lab Component										
5	19EC7251	Wireless Communication	PC	2	0	2	3	50	50	100
Practical Courses										
6	19EC7001	Digital Image processing Lab	PC	0	0	3	1.5	50	50	100
7	19EC7002	Optical Communication and Microwave Lab	PC	0	0	3	1.5	50	50	100
8	19EC7901	Project Work -Phase I	EEC	0	0	4	2	50	50	100
Total Credits				14	0	12	20			800

ECE VIII SEMESTER											
S.No	CODE	Courses	CAT	L	T	P	C	CIA	ESE	TOTAL	
Theory											
1	19EC83XX	Professional Elective IV	PE	3	0	0	3	25	75	100	
2	19EC83XX	Professional Elective V	PE	3	0	0	3	25	75	100	
Practical Courses											
3	19EC8901	Project Work-Phase II	EEC	0	0	24	12	50	50	100	
Total Credits				6	0	24	18			300	

Skill Oriented Courses in Choice Based Credit System

S. No	Semester	Course Title	CAT	L	T	P	C	CIA	ESE	TOTAL
1	First	Object Oriented Programming using Python	PC	2	0	2	3	25	75	100
2	Second	Java Fundamentals	PC	2	0	2	3	25	75	100
3	Third	Relational Database Management System	PC	2	0	2	3	25	75	100
4	Fourth	Design Thinking	PC	2	0	2	3	25	75	100
5	Fifth	Angular JS	PE	3	0	0	3	25	75	100
6	Sixth	Node JS and Micro services Course	PE	3	0	0	3	25	75	100
7	Sixth	IoT and Spring Framework	PC	3	0	0	3	25	75	100



8	Seventh	Blockchain	PE	3	0	0	3	25	75	100
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LIST OF PROFESSIONAL ELECTIVES

PROFESSIONAL ELECTIVE I

S. No.	Course Code	Course Title	CAT	L	T	P	C	CIA	ESE	TOTAL
1	19EC5301	Measurements and Instrumentation	PE	3	0	0	3	25	75	100
2	19EC5302	PCB Design	PE	3	0	0	3	25	75	100
3	19EC5303	RF System Design	PE	3	0	0	3	25	75	100
4	19EC5304	Network Security	PE	3	0	0	3	25	75	100
5	19EC5181	Total Quality Management	PE	3	0	0	3	25	75	100

PROFESSIONAL ELECTIVE II

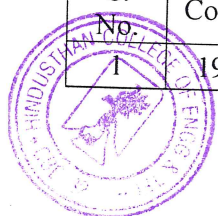
S. No.	Course Code	Course Title	CAT	L	T	P	C	CIA	ESE	TOTAL
1	19EC6301	Medical Electronics	PE	3	0	0	3	25	75	100
2	19EC6302	Industrial Automation	PE	3	0	0	3	25	75	100
3	19EC6303	Mobile Communication	PE	3	0	0	3	25	75	100
4	19EC6304	High Speed Networks	PE	3	0	0	3	25	75	100
5	19EC6182	E-Commerce Technology	PE	3	0	0	3	25	75	100

PROFESSIONAL ELECTIVE III

S. No.	Course Code	Course Title	CAT	L	T	P	C	CIA	ESE	TOTAL
1	19EC7301	Robotics	PE	3	0	0	3	25	75	100
2	19EC7302	ASIC Design	PE	3	0	0	3	25	75	100
3	19EC7303	Global Positioning Systems	PE	3	0	0	3	25	75	100
4	19EC7304	Cloud Computing	PE	3	0	0	3	25	75	100
5	19EC7181	Entrepreneurship Development	PE	3	0	0	3	25	75	100

PROFESSIONAL ELECTIVE IV

S. No.	Course Code	Course Title	CAT	L	T	P	C	CIA	ESE	TOTAL
1	19EC8301	Neural networks and Deep	PE	3	0	0	3	25	75	100



		learning								
2	19EC8302	Embedded Controllers	PE	3	0	0	3	25	75	100
3	19EC8303	Satellite Communication	PE	3	0	0	3	25	75	100
4	19EC8304	Wireless Sensors and Networks	PE	3	0	0	3	25	75	100
5	19EC8181	Foundation Skills in Integrated Product Development	PE	3	0	0	3	25	75	100

PROFESSIONAL ELECTIVE V

S. No.	Course Code	Course Title	CAT	L	T	P	C	CIA	ESE	TOTAL
1	19EC8306	Artificial Intelligence	PE	3	0	0	3	25	75	100
2	19EC8307	Low Power VLSI	PE	3	0	0	3	25	75	100
3	19EC8308	Software Defined Radio	PE	3	0	0	3	25	75	100
4	19EC8309	Photonic Networks	PE	3	0	0	3	25	75	100
5	19EC8182	Intellectual Property Rights and Innovations	PE	3	0	0	3	25	75	100

LIST OF OPEN ELECTIVES

S. No.	Course Code	Course Title	L	T	P	C	CIA	ESE	TOTAL	
SEMESTER VI										
1	19EC6401	Consumer Electronics	3	0	0	3	25	75	100	
SEMESTER VII										
2	19EC7401	Introduction to IOT	3	0	0	3	25	75	100	

LIST OF SERVICE COURSE

S. No.	Course Code	Course Title	L	T	P	C	CIA	ESE	TOTAL	
SEMESTER I										
1	19EC1154	Basics of Electron devices and Electric Circuits	BS	2	0	2	3	50	50	

Semester	I	II	III	IV	V	VI	VII	VIII	Total
Credits	20	22	20	21	22	22	20	18	165



Hindusthan College of Engineering and Technology
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Valley Campus, Pollachi Highway, Coimbatore – 641032

Date: 13.03.2020

BOARD OF STUDIES MEETING

Name of the Department: Electronics and Instrumentation Engineering

The Fifth Board of Studies meeting of Regulation 2016 (Revised) & Regulation 2019 for the academic year 2020-21 was conducted on 13.03.2020 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.Aruldoss Albert 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.Madhu Sudhanan	Associate Professor, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Member
7	Mr.R.Vinoth Kumar	Assistant Professor, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Member
8	Mr.D.Deivasigamani	Assistant Professor, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Member



9	Mr.E.Gowthaman	Assistant Professor. Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.	Member
10	Mr.S.Jayaprakash	Team Best Theatronics Asia Pvt Ltd, Chennai	Alumni Member

The following members could not attend the meeting due to other official engagements:

1. Dr.J.Arunshankar (Academic Expert), Professor & Head Dept. of Instrumentation & Control Systems Engg. PSG College of Technology, Coimbatore.
2. Mr.J.Senthil Prakash (Industry Member), Technical Head, Spark Drives & Automation, 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 briefly explained the Salient features of Regulation 2016 (Revised) & 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 & Department Advisory Committee (DAC).
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 05.04.2019, was approved.

Following are the Comments put forth by the Experts:

1. Subject Expert (Dr.K.Srinivasan) suggested that, in 3rd sem, '19EI3251-Electrical and Electronic Measurements' course
 - i) Include 'types of inputs in specific' in unit I.
 - ii) CRO topic can be replaced by DSO in Unit IV.
 - iii) In Unit V, '7 Segment and dot matrix displays' can be removed.
2. Also the Subject Expert (Dr.K.Srinivasan) suggested, in 3rd sem. '19EI3202-Sensors and Transducers' course
 - i) Rename the unit I title as 'Characteristics of Measurements' instead of Characteristics of Transducer.
 - ii) 'Generalized Measurement System' topic can be added in Unit I.
 - iii) Remove brackets in Unit IV.
 - iv) Remove the topic SQUID sensor in unit V, since it is a trade name.



3. University Nominee (Dr.T.Aruldoss Albert Victoire) suggested that, in 4th Sem. '19EI4203 -Industrial Instrumentation – I' course, the following topics can be removed since it is available in 3rd sem '19EI3202-Sensors and Transducers' course, - strain gauge, LVDT, piezoelectric, variable reluctance type, thermistor and IC temperature sensor. And asked to include the following topics, 'density, viscosity, flow meters, orifice, P&I diagram'.

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 Laboratory course.
3. Theory with lab component course can be limited with 5 experiments.
4. 'PCB Design' may be included in syllabus.
5. 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 current needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the V & VI 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 (Revised) for the VII & VIII 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.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- 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 current needs.
- The curriculum and syllabus of Regulation 2019 with amendments for the I & II semester subjects were passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering and Electrical and Electronics Engineering boards are permitted to move on Academic Council by the BoS members of Electronics and Instrumentation Engineering for the students admitted during the academic year 2020-2021 and onwards.
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for III and IV semesters of Regulation 2019 with amendments were introduced for B.E Electronics and Instrumentation Engineering program for the students admitted in the academic year 2019-20 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 2019.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks by the Chairman at 11.30 A.M.

Chairman

(Board of Studies)

Enclose:

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

(An Autonomous Institution, Affiliated to Anna University, Chennai
Approved by AICTE, New Delhi & Accredited by NAAC with 'A' Grade & NBA)
Valley Campus, Pollachi Highway, Coimbatore – 641 032

Date: 14-03-2020

MINUTES OF BOARD OF STUDIES MEETING

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

The Fifth Board of Studies meeting of Regulation 2016 (Revised) & Regulation 2019 for the Academic year 2020-2021 was conducted on 14.03.2020 at 2.30 p.m. in the Video Conference Hall, Central Library.

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr. 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	Mr. N. Sampathkumar	AGM Training & Development, Roots Industries India Ltd, Coimbatore.	Representative from Industry
6	Dr. M. Mohanraj	Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology	Member
7	Dr. C. Nithyanandam	Associate Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
8	Dr. P. N. Karthikeyan	Associate Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
9	Dr. V. Senthilmurugan	Assistant Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
10	Mr. P. Vigneshwar	Pie Bags Pvt Ltd	Alumni



- The Chairman-BoS welcomed the University nominee. Subject experts, special invitees and all the internal members for the third 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) & Department Advisory Committee (DAC) and emphasized the importance of Employability 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 which was held during 29.04.2019 was approved.

Following are the Comments put forth by the Experts: (Regulations 2019)

1. Subject Expert (Dr. K. Marimuthu) suggested that, in semester 03, "19ME3251 - Mechanics and Machinery", the number of experiments could be increased in focusing experiments based on microscopic examination of hardened & tempered samples, strain gauge etc.
2. Subject Expert (Dr. K. Ramesh Kumar) suggested that, in semester 03, "19ME3203 - Engineering Materials and Metallurgy", Title 'advanced material' has to be changed as 'composite material'. 'Physical metallurgy' by Linnert can be added to reference book.
3. Subject Expert (Dr. K. Marimuthu) suggested that, in semester 04, "19ME4251 - Strength of Materials" 'Load and Stresses in beam' to be changed as 'Stresses in beam'. Book by R.S.Khurumi has to be taken to reference book.
4. Subject Expert (Dr. K. Ramesh Kumar) suggested that, in semester 03, in "19ME3002 - Computer Aided Drawing Lab" subject, Exercise on 'Dimensioning' can be added in drafting.
5. University Nominee (Dr. V. Prabhuraja) suggested that, in semester 04, "19ME1153 - Basic Civil and Mechanical Engineering" Conveyor system, power transmission system can be added in IInd unit. Topics on pumps can be removed in first unit.
6. Semester -III Following Employability course for members approval
 - 19ME3002 - Computer Aided Drawing Lab
7. Chairman presented and requested the board members to accept the syllabi of Regulation 2019 for III & IV semester Mathematics subjects which were passed by Science and Humanities board.



General Comments by the BoS Members:

1. 'Identification and Working of Equipment' can be included as any experiment in Laboratory course.
2. Theory with lab component course can be limited with 5 experiments.
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 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the V & VI semester subjects of B.E Mechanical 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 (Revised) for the VII & VIII semester subjects of B.E Mechanical Engineering program for the students admitted during the academic year 2017 - 2018 and onwards 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 (Revised).
- 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 current needs.
- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were passed by the Science and Humanities, Computer Science and Engineering, Aeronautical engineering and Electrical and Electronics Engineering permitted board and permitted to move on Academic Council by the BoS members of Mechanical Engineering for the students admitted during the academic year 2020-2021 and onwards.
- The curriculum and syllabus of Regulation 2019 for the III & IV semester Mathematics subjects were passed by the Science and Humanities board permitted to move on to Academic Council by the BoS members of Mechanical Engineering for the students admitted during the academic year 2019-2020 and onwards.
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for III and IV semesters of Regulation 2019 were introduced for B.E Mechanical Engineering



program for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.

- The introduced syllabus for Employability course is permitted to move on Academic Council.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks by the Chairman at 5.00 P.M.


Chairman
(Board of Studies)

Enclose:

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Previous BoS Minutes-ATR
4. Copy of Regulation 2016R
5. Regulation 2019 with amendments
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
Approved by AICTE, New Delhi and Accredited with 'A' Grade by NAAC
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Valley Campus, Pollachi Highway, Coimbatore – 641032



Date: 28.02.2020

BOARD OF STUDIES MEETING

Name of the Department: **Mechatronics Engineering**

The fifth Board of Studies meeting of Regulation 2019 for the academic year 2020-21 was conducted on 28.02.2020 at 10.00 AM in the Video Conference Hall, Central Library.

The following members were present:

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



10.	D.Manoj Prabhakar	Alumnus/ Mechatronics Engineering	Alumni Member
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- 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 briefly explained the Salient features of Regulation 2016 (Revised) & 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 & Department Advisory Committee (DAC) and emphasized the importance of including the Employability Enhancement Courses and 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, which was held during 05.04.2019, was approved.

Following are the Comments put forth by the Experts:

1. Experts suggested, In “19MT3001-Computer Aided Drafting Laboratory”-Experts suggested, Remove the topics “Cylinder and Cone in exercise no.3 & Prism and Pyramid in exercise no.12” and Rearrange the “Experiment no.5 isometric projection as Experiment no.9”
2. Experts suggested, In “19MT3002-Industrial Motor Control Laboratory”-Experts suggested, Replace “R and RC firing circuits for SCR” with “Study of BLDC and PMDC motors”.
3. Experts suggested, In “19MT4202-Thermodynamics and Fluid engineering”-Experts suggested, In Unit III, remove the topics “Air Standard Cycles, Heat Pump, Air



- Coolers and Cooling Towers". In Unit V, remove the topic "Boundary Layer Concepts" instead of that add "Fluid Machinery Topics".
4. Experts suggested, In "19MT4203-Theory of Machines"-Experts suggested, In Unit I, remove the topic "Steering Gear Mechanism" instead of that add "Velocity Diagram of Single Slider Mechanism".
 5. Experts suggested, In "19MT4251-Sensors and Signal Conditioning"-Experts suggested, Add the topic "Speed and Load Sensors" instead of the topic "Belows in elastic transducers" in Unit III.
 6. Experts suggested, In "19MT4002-Solid and Fluid Mechanics Laboratory"-Experts suggested, Change the Subject title "Solid and Fluid Mechanics Laboratory" as "Solid and Fluid Mechanics & Machinery Laboratory" and Replace the 12th Experiment "Study of Strengthening Mechanism of Engineering Materials" with "Determination of Coefficient of Discharge by Orifice meter".
 7. Experts suggested, In "19MT4001-Assembly Language Programming Laboratory"-Experts suggested, Change the Subject title as "Assembly Language Programming Laboratory" as "Assembly Programming and Interfacing Laboratory" and Remove the Experiments no.7 & 8 "Basic addition and subtraction of two 8- Bit Numbers" in microcontroller and replace with "Applications of microcontroller".
 8. Semester III & IV - Skill Development courses for members approval
 - o 19MT3251-Production Technology
 - o 19MT4201-Microcomputer systems and Microcontroller
 9. Semester III-Employability courses for members approval
 - o 19MT3202- Industrial Motor Control



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 Laboratory course.
3. Theory with lab component course can be limited with 5 experiments.
4. 'PCB Design' may be included in syllabus.
5. 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 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the V & VI semester subjects of B.E Mechatronics 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 (Revised) for the VII & VIII semester subjects of B.E Mechatronics Engineering program for the students admitted during the academic year 2017 - 2018 and onwards 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 (Revised).
- 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 current needs.
- The curriculum and syllabi of Regulation 2019 for the I & II semester subjects were passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering, Electronics and Communication Engineering boards and permitted to move on Academic Council by the BoS members of Mechatronics Engineering for the students admitted during the academic year 2020-2021 and onwards.
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for III and IV semesters of Regulation 2019 were introduced for B.E Mechatronics Engineering program for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.
- The introduced syllabus for Skill Development and Employability courses are 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 2019.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks by the Chairman at 11.30 A.M.



[Handwritten Signature]

Chairman

(Board of Studies)

Date: 10.03.2020

BOARD OF STUDIES MEETING

Name of the Department: **Information Technology**

The Fifth Board of Studies meeting of Regulation 2016 (Revised) & Regulation 2019 for the academic year 2020-21 was conducted on 10.03.2020 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.Rajkumar	Professor / Head, Department of Information Technology, Hindusthan College of Engineering and Technology	Chairman
2	Dr.D.Rasi	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
3	Dr.B.Gomathi	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
4	Mr.M.Ganesan	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
5	Mrs.N.Yamuna	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
6	Dr.LathaParameswaran	Professor, Computer Science Engineering, Amrita School of Engineering, Coimbatore	Subject Expert 1
7	Dr.KumuthaRaimond	Professor, Department of Computer Science and Engineering, Karunya Institute of Technology and Sciences, Coimbatore	Subject Expert 2
8	Dr.S.Balamurugan	Head of Research and	Representative

		Development, QUANTS IS & Consultancy Services, Coimbatore	from Industry
9	Ms.E.Saranya	Assistant Professor, Department of Computer Science and Engineering, Sri Eshwar College of Engineering, Coimbatore	Alumni
10	Dr.S.Valli	Professor, Department of Computer Science Engineering, Anna University, Chennai	University Nominee

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

1. Dr.LathaParameswaran(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 Fifth 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) & Department Advisory Committee (DAC) and emphasized the importance of including Employability Enhancement 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 which was held during **09.04.2019** was approved.

Following are the Comments put forth by the Experts:

1. In 19IT3202-Object Oriented Programming Using C++, suggestion has been given to separate C++ and Java programming as individual subjects. In addition, suggestion has been given to include Node JS in Java Programming Subject
2. In 19IT3201-Data Structures and Algorithm Design, Members suggested to change UNIT 3 title as Analysis Framework



3. In 19IT3203-Computer Organization and Architecture. Members suggested to change the Instruction hours for unit 3 as 10 and unit 4 as 8.
4. In 19IT4251-Object Oriented Software Engineering. Suggestion has been given to reduce the syllabus and also suggested to keep traditional software engineering concepts in first two units and OOAD concepts in remaining 3 units.
5. In 19IT4202-Database Management Systems. Members suggested to include Cassandra, Mongo DB concepts.
6. In 19MA4102-Discrete Mathematics, Members suggested to include Push down automata and Turing machine concepts.
7. For the students admitted from 2020 onwards, the following courses have been introduced:
 - In Semester I & II – Three Employability Enhancement Subjects (19HE1072-Career Guidance - Level I, 19HE1073-Entrepreneur & Innovation and 19HE2072-Career Guidance - Level II) added within the curriculum as Mandatory Course with Zero Credit.
 - In Semester III and IV – Two Employability Enhancement Subjects (19HE3072-Career Guidance - Level III and 19HE4072-Career Guidance – Level IV) added within the curriculum as Mandatory Course with Zero Credit.

General Comments by the BoS Members:

1. Suggested to include the uniform experiment count in all integrated labs.
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 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The Curriculum and Syllabi of Regulation 2016 (Revised) for the V & VI 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 (Revised) for the VII & VIII 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.



- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- 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 current needs.
- The Curriculum and Syllabus of Regulation 2019 for the I & II semester subjects were passed by the Science and Humanities and Computer Science and Engineering boards and permitted to move on Academic Council by the BoS members of Information Technology for the students admitted during the academic year 2020-2021 and onwards.
- Based on Regulation 2016 (Revised), the revised Curriculum and Syllabi for III and IV semesters of Regulation 2019 were introduced for B.Tech Information Technology program for the students admitted in the academic year 2019-20 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 2019.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks by the Chairman at 11.30 A.M.


Chairman

(Board of Studies)

Enclose:

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





Hindusthan College of Engineering and Technology
(An Autonomous Institution, Approved by AICTE, New Delhi,
Accredited with 'A' Grade by NAAC, Affiliated to Anna University)
Valley Campus, Pollachi Highway, Coimbatore – 641032



Date: 28.08.2020

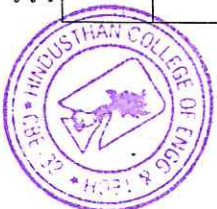
MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **Information Technology**

The Sixth Board of Studies meeting of Regulation 2016 (Revised) & Regulation 2019 for the academic year 2020-21 was conducted on 28.08.2020 at 10.00 am at ONLINE mode through Google Meet. (Meeting Link: <http://meet.google.com/baa-onjp-jtj>)

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr.N.Rajkumar	Professor / Head, Department of Information Technology, Hindusthan College of Engineering and Technology	Chairman
2	Dr.D.Rasi	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
3	Dr.B.Gomathi	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
4	Mr.M.Ganesan	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
5	Mrs.N.Yamuna	Assistant Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	Member
6	Dr.Latha Parameswaran	Professor, Computer Science Engineering, Amrita School of Engineering, Coimbatore	Subject Expert 1
7	Dr.Kumutha Raimond	Professor, Department of Computer Science and Engineering, Karunya Institute of Technology and Sciences, Coimbatore	Subject Expert 2
8	Dr.S.Balamurugan	Head of Research and Development, QUANTIS IS & Consultancy Services, Coimbatore	Representative from Industry



9	Ms.E.Saranya	Assistant Professor, Department of Computer Science and Engineering, Sri Eshwar College of Engineering, Coimbatore	Alumni member
10	Dr.S.Valli	Professor, Department of Computer Science Engineering, Anna University, Chennai	University Nominee

The following members could not attend their meeting due to other official engagements.

1. Dr.D.Rasi (Member)
2. Dr.S.Valli (University Nominee)

- The Chairman-BoS welcomed the University nominee, Subject experts, Special Invitees and all the internal members for the Sixth 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 **10.03.2020** was approved.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell & Department Advisory Committee (DAC) and emphasized the importance of including the Skill Development related courses in the curriculum to be in line with the industry needs.
- The Chairman also mentioned the revision of Regulation 2019 Syllabus which meets on higher order thinking levels based on the recommendations from Stakeholder.

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

1. The Subject titled "19IT5204-Artificial Intelligence and Machine Learning" unit 3 to 5 have to reviewed. It is recommended to remove unit 5 and split unit 3 and 4 into three units as these units are highly condensed.
2. In the Laboratory subject titled "19IT5001-Machine Learning Laboratory", the Subject Experts recommended to remove first two experiments and include experiment related to Clustering.
3. In 19IT5305- Advanced Database Technology, Experts suggested to include Query Processing in one unit and to regroup other units.
4. The Experts encouraged to introduce new elective subjects like Software Design, Software Architectures and Software Process.



5. The Subject Experts of BoS recommended to introduce Choice Based Subjects from Semester I to Semester 7 in Curriculum.
6. In addition, Chairman of BoS presented the subject titled "Object Oriented Programming using Java" for Fifth Semester to Electronics and Instrumentation Students admitted from 2019 onwards.
7. The Skill Development Course titled 19IT5204-Artificial Intelligence and Machine Learning has been introduced in V Semester under Regulation 2019.
8. The Employability Enhancement Courses titled 19IT6002- Hardware and Software Clinic Learning and 19IT6701- Internship/Industrial Training have been introduced in VI Semester under Regulation 2019.

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

For Regulations 2016 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the VII & VIII 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.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- 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 current needs.
- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were passed by the Science and Humanities & Computer Science and Engineering boards and permitted to move on to Academic Council by the BoS members of Information Technology for the students admitted during the academic year 2021-2022 and onwards.
- Syllabi for Choice Based Courses titled 19CS1152-Object oriented programming using Python in Semester I and 19CS2153-Java Fundamentals subject in Semester II 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 2020-2021 onwards.

- The curriculum and syllabi of Regulation 2019 for the III & IV semester subjects of B.Tech Information Technology program for the students admitted during the academic year 2020 - 2021 and onwards was permitted to move on to Academic Council.
- Based on Regulation 2016 (Revised), the revised curriculum and syllabi for V and VI semesters of Regulation 2019 were introduced for B.Tech Information Technology program for the students admitted in the academic year 2019-20 and onwards and the same were presented and discussed. It was permitted to move on to Academic Council.
- The syllabus for Skill Development courses are permitted to move on to Academic Council by the BoS members of Information Technology.
- 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 thanks to the Chair at 01.30 P.M.


Chairman

(Board of Studies)

Enclose:

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



Date: 10.9.2020

BOARD OF STUDIES MEETING

Name of the Department: **Agriculture Engineering**

The Third Board of Studies meeting of Regulation 2016 (Revised) (V and VI semester) & Regulation 2019 (III and IV .semester) for the academic year 2020-21 was conducted on 10.09.2020 at 3.00 PM.

The following members were present

S.No	Name of the Person	Department	Position
1	Dr.Senthilvel	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
	Dr.M. Singaravelu	Dean , SNS College of Engineering and Technology , Coimbatore .	Subject Expert
4	Mr.C.V.Madheswaran	Managing Director, KSNM Marketing, Coimbatore	Representative from Industry
6	Ms.Likshitha	Assistant Professor, Department of Agriculture Engineering, Hindusthan College of Engineering and Technology.	Member
7	Dr.N.Sridhar	Assistant Professor, Department of Agriculture Engineering, Hindusthan College of Engineering and Technology.	Member
8	Mr Shanmugasundaram	Assistant Professor, Department of Agriculture Engineering, Hindusthan College of Engineering and Technology.	Member
9	Mrs Chinju Saju	Assistant Professor, Department of Agriculture Engineering, Hindusthan College of Engineering and Technology.	Member
10	Mrs.K.GuruLakshimi	-	Parents
	Mrs.Leema jaya Rose	-	Parents



12	Sakthi Kumar M	II Year Agricultural Engineering. Hindusthan College of Engineering and Technology	Student
13	Sreelekshimi Saseendran	III Year Agricultural 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.
- 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).
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting which was held during 10.09.2020 was approved.

Following are the Comments put forth by the Experts

Regulation 2016 (Revised):

1. Subject Expert (Mr. C.Mayilsamy) suggested that, in 5th sem, '16AG5204 Post Harvest Technology' course added in semester 5.
2. Professional Elective –I (16AG53XX EVAPOTRANSPIRATION) suggest to change course title "16AG53XX -EVAPOTRANSPIRATION AND SMART IRRIGATION" that add in semester 5
 1. Add two more empirical method to calculate EVAPOTRANSPIRATION and advance instrument can be added in unit 2.
 2. Add few "smart irrigation techniques to avoid water loss" can be added in Unit 4
 3. Add "climate change and its impact on water budgets" can be added in unit 5.
3. Also the University nominee (Dr.M.Krishnaveni) suggested, in 6th sem, '16AG6204- Bio-Energy Resource Technology' course
 - i) In UNIT I and UNIT II -they suggest replacing few contents from Unit I and Unit II
 - ii) In UNIT V give title like Thermochemical conversion and add few more information related thermochemical conversion process.
4. Also university nominee suggested to add "16AG6202- Food and Dairy Engineering" add in semester 6.
5. Suggested to "Bio and Thermo-chemical conversion of Biomass" suggest that, delete IV, Instead of Bio energy and Resource Technology from IV sem
6. Industry Expert (Mr.C.V.Madheswaran) suggested, in 6th sem, "Open Elective-I



16AG6401- Nanotechnology in Agriculture Course

- i) '16AG6401- Nanotechnology in Agriculture course in Professional Elective –I and they approved to add new course like.. 16AG6401- Urban Agriculture and Organic Farming with few changes

7. Life skill courses like 16LS6401 – General studies for competitive examination 16LS 6402 – Human rights women rights and gender equality. 16LS 6403- Indian Ethos & Human Values . 16LS6404 – Indian constitution and political system and 16LS6405- Yoga for human excellence recommended to including as open elective.

8. The Following Skill Development Courses are Introduced for members approval.

- (i) 16AG5203 - Design of Farm Implements and Machinery
- (ii) 16AG6001 - CAD for Agricultural Engineering
- (iii) 16AG6203 - Precision Farming and Protected Cultivation

9. The Following Entrepreneurship Courses are Introduced for members approval,

- (i) 16AG 6401 - Urban Agriculture and Organic farming

General Comments by the BoS Members (Regulation 2019):.....

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 Laboratory course.
3. Theory with lab component course can be limited with 5 experiments.
4. Standard Text and Reference books should be preferred for all subjects with recent editions.
5. The Following Skill Development Courses are Introduced for Members Approval, (i) 19AG3001- Field Crop Production Practical
6. The Following Employability Courses are Introduced for Members Approval, (i) 19AG4001- Irrigation Field Laboratory
7. 19AG4252 Surveying and Levelling' course suggested that, Add some theory part of surveying and levelling course
8. In 19AG4202 Hydrology and water resource Engineering and 19AG6201 Thermodynamics was interchanged. Board member suggested to this exchange will help to student in the way of better understanding about various concept of engineering.



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

For Regulations 2016 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of Regulation 2016 (Revised) for the V & VI 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.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- 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 current needs.
- The curriculum and syllabus of Regulation 2019 for the I & II semester subjects were introduced and passed by the Science and Humanities, Information technology, Mechanical Engineering, boards and permitted to move on Academic Council by the BoS members of Agricultural Engineering for the students admitted during the academic year 2020-2021 onwards..
- The curriculum and syllabus of Regulation 2019 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 Agricultural Engineering for the students admitted during the academic year 2019-2020 and onwards.
- The curriculum and syllabi for III and IV semesters of Regulation 2019 were introduced for B.E Agricultural Engineering program for the students admitted in the academic year 2019-2020 and onwards and the same were presented and discussed.
- 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 Regulation 2019.
- 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 thanks by the Chairman at 4.00 P.M.



Chairman

(Board of Studies)

Enclose:

1. DAC meeting Minutes
2. Curriculum and Syllabi
3. ATR-BoS MoM



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

Approved by AICTE, New Delhi and Accredited with 'A' Grade by NAAC
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Valley Campus, Pollachi Highway, Coimbatore-32.



Date: 12.03.2020

MINUTES OF BOARD OF STUDIES MEETING

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

The Second Board of Studies meeting of Regulation 2019 and Third Board of Studies meeting of Regulation 2016 (Revised) & Regulation 2019 for the Academic year 2020-2021 was conducted on 12.03.2020 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. S. Saravanasundaram	Professor and Head HICET, Department of Biomedical Engineering	Chairman
2	Dr S. Poonguzhali	Associate Professor Anna University, Chennai – 600025 Department of ECE	University Nominee
3	Dr G. Gopu	Professor and Head SREC, Department of Biomedical Engineering	Subject Expert 1
4	Dr B Banu Rekha,	Associate Professor, PSG College of Technology, Coimbatore-641004 Department of Biomedical Engineering,	Subject Expert 2
5	Mr. Pragadheewaran	Aries Biomed Technology, Coimbatore	Representative from Industry
8	Ms S Shobha Christila	Assistant Professor, Department of Biomedical Engineering HICET	Member



9	Ms Lekshmi A	Assistant Professor HICET Department of Biomedical Engineering	Member
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- 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) & 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 **08.04.2019** was approved.

Department specific Board of Studies Discussion / Suggestions:

Regulation 2019

1. Subject Expert (**Dr B Banu Rekha**) suggested that, the **Semester III** 19BM3201 Add electron devices and circuits .
2. Subject Expert (**Dr G. Gopu**) suggested that, the **Semester III** 19BM3001 Add electron devices and circuits lab separately.
3. Subject Expert (**Dr B Banu Rekha**) suggested that, the **Semester IV** 19BM3203 Pathology Experiments should be added Human Physiology Laboratory
4. Subject Expert (**Mr.Pragadheewaran**) suggested that, the **Semester IV** 19BM4001 Rename digital electronics and integrated circuits as Analog and Digital integrated circuits.

Regulation 2016 (Revised):

1. Subject Expert (**Dr B Banu Rekha**) suggested that, the **Semester** 16BM6201 Biosignal Processing should be taken to 5th Sem and change it into lab with theory.
2. Subject Expert (**Dr S.Poonguzhali**) suggested that, Add the subjects Biomechanics after Biocontrol systems
3. Subject Expert (**Dr B Banu Rekha**) suggested that, 16BM6202 Diagnostic & Therapeutic Equipment II should be added
4. Subject Expert (**Dr G. Gopu**) suggested that ,16BM3002 Separate lab for Diagnostic & Therapeutic Equipment



5. Subject-Expert (Dr S.Poonguzhali) suggested that 16BM5301 Analog and Digital communication can be removed or change the name of the subject as Healthcare Communication.
6. Subject Expert (Dr G. Gopu) suggested that 16BM5204 Some of the obsolete topics in Biomedical Instrumentation such as 'recorders' can be removed.
7. Subject Expert (Dr S.Poonguzhali) suggested that 16BM5205 Biomedical applications can be included in Microprocessors and Microcontrollers.
8. Subject Expert (Dr B Banu Rekha) suggested that 16BM5001 Practical experiments using arduino can be introduced in Microprocessors and Microcontrollers lab.
9. Subject Expert (Dr G. Gopu) suggested that 16BM6201 Review the topics of the subject Biosignal processing and minimize the contents.
10. Subject Expert (Dr G. Gopu) suggested that 16BM6001 In Biosignal processing laboratory Scilab can be used instead of MATLAB software.
11. Subject Expert (Dr S.Poonguzhali) suggested that In16BM6201 Diagnostic and Therapeutic Equipment-I, physiotherapy and surgical diathermy topics can be included.
12. Subject Expert (Dr B Banu Rekha) suggested that Review the topics of the subject Medical Informatics and consider important contents.

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

- 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, 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 2020-2021 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 2020-2021 onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19HE2101, 19MA2102, 19PH2151, 19CY2151, 19HE2071 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 2020-2021 onwards.


- The curriculum and syllabus of Regulation 2019 for the III 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 2019-2020 and onwards.
- The curriculum and syllabi for III and IV semesters of Regulation 2019 were introduced for B.E Biomedical Engineering program for the students admitted in the academic year 2019-2020 and onwards and the same were presented and discussed.
- 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 Regulation 2019.
- 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.

Regulation 2016 (Revised)

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi for V and VI semesters of Regulation 2016 (Revised) were introduced for B.E Biomedical Engineering program for the students admitted in the academic year 2018-2019 and onwards and the same were presented and discussed.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

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




Chairman
(Board of Studies)

Hindusthan College of Engineering and Technology

(An Autonomous Institution, Affiliated to Anna University, Chennai
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 Othakalmadabam Post, Coimbatore – 641 032

Date: 05.09.2020

MINUTES OF BOARD OF STUDIES MEETING

Board of Studies in Department: Food Technology

The Second Board of Studies meeting of Regulation 2019 and Third Board of Studies meeting of Regulation 2016 (Revised) for the Academic year 2020-2021 was conducted on 05.09.2020 at 10.00 a.m. through google meet.

The following members were present.

S.No.	Name of the Person	Department	Position
1.	Dr. Jeevarathinam G.	Assistant Professor, Department of Food Technology, HICET.	Chairman
2.	Dr. Nandhini Devi G.	Associate Professor, Centre for Food Technology, ACT Campus, Anna University, Chennai.	University Nominee
3.	Dr Shanmugasundaram S	Associate Professor and Head, Department of Food Process Engineering, Indian Institute of Food Processing Technology Ministry of Food Processing Industries, Government of India Pudukkottai Road, Thanjavur.	Subject Expert 1
4.	Dr Eyarkai Nambi V	Associate Professor, Department of Academics and HRD, Indian Institute of Food Processing Technology, Ministry of Food Processing Industries, Government of India Pudukkottai Road, Thanjavur.	Subject Expert 2
5.	Mr. Kirankumar R	PD Executive – Biscuits ITC - Life sciences and Technology Centre, Pase 1,3, 1 st Main road, Peenya, Bengaluru.	Representative from Industry



6.	Dr Seenuvasan M	Professor & Head, Department of Food Technology, HICET.	Member
7.	Mrs Swathi K	Assistant Professor, Department of Food Technology, HICET.	Member
8.	Mr Dillwyn S	Assistant Professor, Department of Food Technology, HICET.	Member
9.	Mrs.G.Nageswari.	Assistant Professor, Department of Food Technology, HICET.	Member

- 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) & 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 12.04.2019 was approved.

Department specific Board of Studies Discussion / Suggestions:

• Regulation 2019

- Subject Expert (**Dr.G.Nandhini Devi**) suggested that, the semester IIIrd semester 19FT4202 Food Process calculations should be taken to 4th semester.
- Subject Expert (**Dr.S.Shanmugasundaram**) suggested that, the 19FT4002 Food Process Equipment Design laboratory should be included in the IVth Semester.
- Subject Expert (**Dr.S.Shanmugasundaram**) suggested that, the following experiments can be replaced in the 19FT4002 Food Process Equipment Design Laboratory course of fourth semester:
 - i. Design of a pressure vessel
 - ii. Design of an extruder
 - iii. Design of a sterilizer
 - iv. Design of a tray dryer
 - v. Design and drawing of a freeze dryer
 - vi. Design and drawing of belt conveyor
- Subject Expert (**Dr.V. Eyarkai Nambi**) suggested that 19FT4203 Engineering Properties of Food materials should be included in the IVth Semester.



- Subject Expert (**Dr.V. Eyarkai Nambi**) suggested that the title of 19FTXXXX Food Preservation and additives can be reframed as 19FTXXXX Food additives in the seventh semester.
- Industry Expert (**Mr. Kirankumar R**) suggested that, the title of 19FTXXXX Meat, fish and Poultry Process Technology can be reframed as 19FTXXXX Poultry, Meat and Fish Process Technology in the sixth semester.
- Subject Expert (**Dr.S.Shanmugasundaram**) suggested that, 19FTXXXX Non thermal Processing subject can be included in the professional elective.
- Subject Expert (**Dr.S.Shanmugasundaram**) suggested that, 19FTXXXX Entrepreneurship Management can be replaced with 19FTXXXX Economics & management subject in the professional elective.

Regulation 2016 (Revised)

- Subject Expert (**Dr.G.Nandhini Devi**) suggested that, the title of the Unit II can be changed to storage of fresh fruits and vegetables in 16FT5205 Fruit and Vegetable Processing Technology course of fifth semester.
- Subject Expert (**Dr.V. Eyarkai Nambi**) suggested that, the title of 16FTXXXX Food Preservation and additives can be reframed as 16FTXXXX Food additives in the seventh semester.
- Industry Expert (**Mr. Kirankumar R**) suggested that, the title of 16FT6203 Meat, fish and Poultry Process Technology can be reframed as 16FT6203 Poultry, Meat and Fish Process Technology in the sixth semester.
- Subject Expert (**Dr.S.Shanmugasundaram**) suggested that, 16FTXXXX Non thermal Processing subject can be included in the professional elective.
- Subject Expert (**Dr.S.Shanmugasundaram**) suggested that, 19FTXXXX Traditional Foods and its Importance can be replaced as open elective for Principles of Food Science course in the sixth semester.

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

- In almost all the courses, changes have been done as per the current needs.

For Regulations 2016 (Revised):

- In almost all the courses, changes have been done as per the current needs.



- The curriculum and syllabi of Regulation 2016 (Revised) for the V & VI 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 conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2016 (Revised).
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

For Regulations 2019:

- 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 boards and permitted to move on Academic Council by the BoS members of Food Technology for the students admitted during the academic year 2020-2021 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 2020-2021 onwards.
- Syllabus of Regulation 2019 for the II semester subjects- 19HE2101, 19MA2101, 19FT2105, 19PH2151, 19CY2151, 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 2020-2021 onwards.
- The curriculum and syllabus of Regulation 2019 for the III 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 2019-2020 and onwards.

- The curriculum and syllabi for III and IV semesters of Regulation 2019 were introduced for B.Tech. Food Technology program for the students admitted in the academic year 2019-2020 and onwards and the same were presented and discussed.
- 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 thanks to the members by Chairman at 12.30 pm


Chairman
(Board of Studies)

Enclose:

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Copy of Regulation 2016
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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Valley Campus, Pollachi Highway, Coimbatore – 641032

Date: 05.09.2020

BOARD OF STUDIES MEETING

Name of the Department: **Chemical Engineering**

The Second Board of Studies meeting of Regulation 2019 for the academic year 2020-21 was conducted on 05.09.2020 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. Seenuvasan M	Professor & Head, Department of Chemical Engineering, HICET.	Chairman
2	Dr. Nandhini Devi G	Associate Professor, Centre for Food Technology, ACT Campus, Anna University, Chennai.	University Nominee
3	Dr. Shanmugasundaram S	Associate Professor and Head, Department of Food Process Engineering, Indian Institute of Food Processing Technology, Ministry of Food Processing Industries, Government of India Pudukkottai Road, Thanjavur.	Subject experts
4	Dr. Eyarkai Nambi V,	Associate Professor, Department of Academics and HRD, Indian Institute of Food Processing Technology, Ministry of Food Processing Industries, Government of India Pudukkottai Road, Thanjavur.	Subject experts
5	Mr. Kirankumar R	PD Executive – Biscuits ITC - Life sciences and Technology Centre, Phase 1,3, 1 st Main Road, Peenya, Bengaluru.	Industry Expert
6	Mr. Rajkumar A	Assistant Professor Department of Chemical Engineering, HICET	Member
7	Ms. Induja P	Assistant Professor Department of Chemical Engineering, HICET	Member
8	Mrs. Swathi K	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 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 & Department Advisory Committee (DAC).
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 12.04.2019, was approved.

Following are the Comments put forth by the Experts:

1. Subject Expert (Dr. Shanmugasundaram S) suggested that the course content with 19CHXXXX-Chemical Process Industries need to be verified and updated.
2. Subject Expert (Dr. Eyarkai Nambi V) suggested that the Unit-4 in the 19CHXXXX-Petrochemical Industries subject need to be modified and updated.

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 Laboratory course.
3. Theory with lab component course can be limited with 5 experiments.
4. 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 2019:

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabus of Regulation 2019 with amendments for the I & II semester subjects were passed by the Science and Humanities, Computer Science and Engineering, Mechanical Engineering and Electrical and Electronics Engineering boards are permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2020-2021 and onwards.
- The curriculum and syllabus of Regulation 2019 with amendments for the III & IV semester mathematical subjects were passed by the Science and Humanities, are



permitted to move on Academic Council by the BoS members of Chemical Engineering for the students admitted during the academic year 2020-2021 and onwards.

- The curriculum and syllabi for III and IV semesters of Regulation 2019 with amendments were introduced for B.Tech Chemical Engineering program for the students admitted in the academic year 2019-20 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 2019.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks by the Chairman at 11.30 A.M.


Chairman

(Board of Studies)

Enclose:

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Previous BoS Minutes-ATR
4. Copy of Regulation 2016R
5. Regulation 2019 with amendments
6. 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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Othakalmandabam Post, Coimbatore – 641 032

Date: 10.03.2020

BOARD OF STUDIES MEETING

Name of the Department: **Artificial Intelligence and Machine Learning**

The first Board of Studies meeting of Regulation 2019 for the academic year 2020-2021 was conducted on 10.03.2020 at 11.30 AM 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.	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	Mr Rajesh Kumar H	Founder, BuzzTech Training Institute, Coimbatore	Representative from Industry
6	Mr Balamurugan C	Team Leader, KGiSL, Coimbatore	Alumnus
7	Dr Jasmine Selvakumari Jeya I	Associate Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	Member
8	Mr Satheesh Kumar D	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	Member
9	Dr Dhiyanesh B	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	Member
10	Ms Ramya Devi M	Assistant Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	Member



- 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 **09.04.2019** was approved.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Department Advisory Committee (DAC).

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

For Regulations 2019:

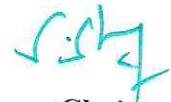
- In almost all the courses, changes have been done as per the current needs.
- Based on Regulation 2019 Curriculum for I – VIII semesters of B.E, Artificial Intelligence and Machine Learning program was introduced for the students admitted in the academic year 2020-21 and onwards and the same were presented and discussed.
- The syllabus of Regulation 2019 for the I & II semester subjects was introduced and passed by the Science and Humanities, Artificial Intelligence & Machine learning, Electronics and Communication Engineering and Mechanical Engineering boards are permitted to move on to Academic Council by the BOS members of Artificial Intelligence and Machine Learning for the students admitted during the academic year 2020-2021 and onwards.
- The syllabus of Regulation 2019 for the I semester subjects 19HE1101, 19MA1101, 19PH1151, 19CY1151, 19HE1001 and 19HE1072 was introduced and passed by Science and Humanities board and permitted to move on to Academic Council by the BOS members of Artificial Intelligence and Machine Learning for the students admitted during the academic year 2020-2021 and onwards.
- The syllabus of Regulation 2019 for the II semester subjects 19HE2101, 19MA2104, 19PH2151, 19CY2151, 19HE2001 and 19HE2072 was introduced and passed by Science and Humanities board and permitted to move on to Academic Council by the BOS members of Artificial Intelligence and Machine Learning for the students admitted during the academic year 2020-2021 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 Artificial Intelligence and Machine Learning for the students admitted during the academic year 2020-2021 and onwards.

- Syllabus of Regulation 2019 for the I & II semester subjects- 19AI1152 – Object Oriented Programming and Python & 19AI2151- Java Fundamentals was introduced and passed by the Artificial Intelligence and Machine Learning board and same were accepted by the BoS members of Artificial Intelligence and Machine Learning for the students admitted during the academic year 2020-2021 and 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 Artificial Intelligence and Machine Learning for the students admitted during the academic year 2020-2021 and onwards

The meeting ended with thanks by the Chairman at 12.45 P.M.



Chairman

(Board of Studies)

Enclose:

1. 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



Date: 04.09.2020

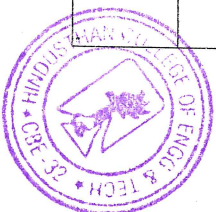
BOARD OF STUDIES MEETING

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

The Second Board of Studies meeting for ME Applied Electronics Postgraduate programme of Regulation 2020 for the academic year 2020-2021 was conducted on 04.09.2020 at 2.30 PM in Online mode.

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. 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 Expert
6.	Mr. R. ShanmughaPrabu	Branch Manager, Sew- Eurodrive India Private Limited, 687, Sri Sakthivel Towers, 1 st 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.	Member
8.	Dr. R. RajeshKanna	Associate Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology.	Member



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

- 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 was approved.
- 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 Chairman conveyed to the members that, based on Anna University Curriculum, we introduce Curriculum for I – IV semesters of M.E, Applied Electronics

Comments by Experts for Regulations 2016 (Revised)

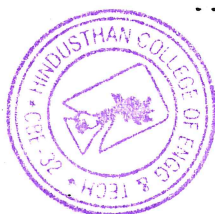
1. University Nominee suggested to include Research Methodology and Digital Image processing course in first semester.
2. Subject Experts suggested to include VLSI Design Techniques as core paper in second semester instead of Professional elective and with VLSI Design Laboratory in second semester instead of first semester.

General Comments by the BoS Members:

1. In Semester II As per Anna University Curriculum Professional Elective I, II and III subject list to be uniform and grouped.
2. In Semester III Professional Elective IV and V to have three subject and two credit based subjects to be opted (NPTEL, SWAYAM)
3. In Semester III Open Elective to be one subject and One Credit Transfer based Subjects to be opted.


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

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabus of Regulation 2020 for I and II semester subjects were introduced and passed by the Science and Humanities and the Electrical and Electronics Engineering boards and permitted to move on Academic Council by the BoS members of the Electrical and Electronics Engineering for the students admitted during the academic year 2020-2021 onwards.



- The curriculum and syllabus of Regulation 2016 (Revised) for III and IV semester subjects were passed by the Electrical and Electronics Engineering board and permitted to move on Academic Council by the BoS members of the Electrical and Electronics Engineering for the students admitted during the academic year 2019-2020 onwards.

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

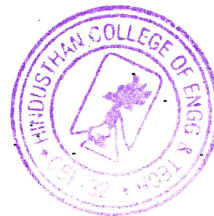

Chairman
(Board of Studies)

Enclose:

1. 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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Valley Campus, Pollachi Highway, Coimbatore-32

Date : 14.03.20

MINUTES OF BOS MEETING

Name of the Department: Electronics and Communication Engineering

The Fifth Board of Studies meeting of ME CS Regulation 2020 for the academic year 2020-21 was conducted on 14.03.20 at 10.00 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.Subhā 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.	Member



		Hindusthan College of Engineering and Technology, Coimbatore.	
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.B.Veerasingam	Associate Professor Department of Electronics and Communication, Hindusthan College of Engineering and Technology, Coimbatore.	Member
10	Dr.R.Michaelraj Kingston,	Associate Professor Department of Electronics and Communication, Sri Eshwar College of Engineering and Technology, Coimbatore.	Alumni

- The Chairman-BoS welcomed the University nominee, Subject experts, special invitees and all the internal members for the Fifth Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2016 & Regulation 2020 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).
- Followed by, Chairman presented the suggestions given by the experts and the action taken report during the Previous BoS meeting, which was held during 12.04.19, was approved.
- **Following are the Comments put forth by the Experts:**
 1. Subject Expert (Dr. C.Vasanthanayaki) suggested that, in to include a few topics in the subject Digital Modulation and Coding Techniques.



2. Subject Expert (Dr. S.Uma Maheswari) suggested to include Research Methodology in the curriculum.
3. Member from QIS rated Institution (Dr.Jaisingh Thangaraj) suggested to include audit courses in the curriculum .
4. University Nominee (Dr.S.Subha Rani) suggested that to include a few NPTEL courses in the electives.

General Comments by the BoS Members:

1. Course outcome should be framed as per Blooms Taxonomy
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,

For Regulations 2016 (Revised):

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabi of Regulation 2016 (revised) for the III & IV semester for the PG students admitted during the academic year 2019 – 2020 and onwards 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 (revised) and Regulation 2020.
- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved.

For Regulations 2020:

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabus of Regulation 2020 for I and II semester subjects were introduced and passed by the Science and Humanities and the Electronics and Communication Engineering boards and permitted to move on Academic Council by the BoS members of the Electronics and Communication Engineering for the students admitted during the academic year 2020-2021 onwards.
- Chairman conveyed that, the Suggestions given by the Board of Studies members are to be incorporated in Regulation 2020.



- Chairman conveyed that, the Suggestions given by the Previous Board of Studies members are ratified and resolved. -

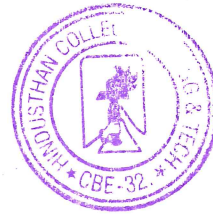
The meeting ended with thanks by the Chairman at 11.30 A.M.


Chairman

(Board of Studies)

Enclose:

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Previous BoS Minutes-ATR
4. Copy of Regulation 2016
5. Regulation 2020
6. Curriculum and Syllabi



Copy:

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

Date: 10.03.2020

BOARD OF STUDIES MEETING

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

The Fifth Board of Studies meeting for M.E Computer Science and Engineering Postgraduate programme of Regulation 2020 for the academic year 2020-2021 was conducted on 10.03.2020 at 10:00am in the Online Mode (Google Meet: meet.google.com/gxa-mchc-afg)

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.	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 Nedunchezian R	Professor, Department of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore	Academic Expert 2
5	Mr Rajesh Kumar H	Founder, BuzzTech Training Institute, Coimbatore	Representative from Industry
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 Balamurugan C	Team Leader, KGiSL, Coimbatore	Alumni Member

- 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 09.04.2019 was approved.
- 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 of including the audit course in the curriculum.
- The feedback received on the curriculum by the stakeholders were presented.
- The Chairman conveyed to the members that, Based on Regulation 2020 , for I to IV semesters of M.E Computer Science and Engineering was introduced.

Comments by Experts:

1. Chairman presented and requested the board members to accept the Curriculum of Regulation 2020 for I to IV semester subjects introduced by the Computer Science and Engineering Board.
2. Chairman presented and requested the board members to accept the syllabi of Regulation 2020 for I semester “Mathematical Foundation of CSE” which was introduced by Science and Humanities and passed by the Computer Science Engineering Board .

General Comments by the BoS Members:

1. University Nominee (Dr. P.Anandhakumar) asked to update the edition and provide the latest version or reprint year of the text and reference books in the syllabus.
2. Subject Expert (Dr. Venkatesan) suggested referring to the gate syllabus to frame the course syllabus so that it will be beneficial for the students for the placement and competitive examinations.

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 III and IV semester subjects were passed by the Computer Science and Engineering board and permitted to move on the Academic Council by the BoS members of Computer Science and Engineering for the students admitted during the academic year 2019-2020 onwards.



- The syllabus of Regulation 2020 for I semester Mathematics subject was introduced by the Science and Humanities board and permitted to move on the Academic Council by the BoS members of Computer Science and Engineering for the students admitted during the academic year 2020-2021 onwards.
- The curriculum and syllabus of Regulation 2020 for I and II semester subjects were introduced by the Computer Science and Engineering board and permitted to move on the Academic Council by the BoS members of Computer Science and Engineering for the students admitted during the academic year 2020-2021 onwards.
- The following audit courses were introduced in semester I & II.

AUDIT COURSES SEMESTER – I

- 1.20AC1091- English for Research Paper writing
2. 20AC1092- Disaster Management
- 3.20AC1093- Sanskrit for Technical knowledge
- 4.20AC1094- Value Education
- 5.20AC1095- Constitution of India

AUDIT COURSES SEMESTER - II

- 1.20AC2094- Pedagogy Studies
- 2.20AC2092- Stress Management by Yoga
- 3.20AC2093- Personality Development Through Life Enlightenment Skills
- 4.20AC2094- Unnat Bharat Abhiyan

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


Chairman

Board of Studies

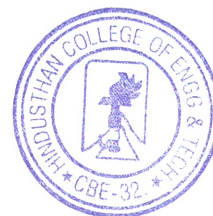
Chairman - BoS
CSE - HiCET

Enclose:

- 1.Previous BoS Minutes-ATR
- 2.Copy of Regulation 2016
- 3.Copy of Regulation 2020
- 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)
 Valley Campus, Pollachi Highway, Coimbatore – 641 032

Date: 14.03.20

MINUTES OF BOS MEETING

Board of Studies in Department: **Mechanical Engineering**, the Board of Studies meeting of Regulation 2020 ME Cad/Cam for the Academic year 2020-2021 was conducted on 14.03.2020 at 02.30 P.M. in the Video Conference Hall, Central Library.

The following members were present:

S.No	Name of the Person	Department	Position
1	Dr. 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	Mr. N. Sampathkumar	AGM Training & Development, Roots Industries India Ltd, Coimbatore.	Representative from Industry
6	Dr. M. Mohanraj	Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology	Member
7	Dr. C. Nithyanandam	Associate Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
8	Dr. P. N. Karthikeyan	Associate Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
9	Dr. V. Senthilmurugan	Assistant Professor, Mechanical Engineering Department, Hindusthan College of Engineering and Technology.	Member
10	Mr. P. Vigneshwar	Pie Bags Pvt Ltd	Alumni



- The chairman of the BoS, Dr.K.Siva welcomed all the dignitaries and internal members for the first Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2020 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:

- University nominee (Dr. V.Prabhu Raja) suggested that, '20MAXXXX Advanced Mathematics for Mechanical Engineers' subject should be changed according to Professional core course. Differential calculus, Laplace transform and Fourier transformation techniques topics should be added and subject heading should be changed to Applied Mathematics for Mechanical Engineers
- Subject Expert (Dr. K.Marimuthu) suggested that, '20CCXXXX Competitive Manufacturing Systems' subject shall be shifted to second semester instead of 20CCXXXX Computer Aided Manufacturing.
- Industry-Expert (Dr. N. SampathKumar) suggested that, '20CCXXXX Computer Aided Engineering Lab' subject shall be shifted to second semester instead of 20CCXXXX Computer Aided Manufacturing Lab. 'Ansys software' usage should be removed.
- Subject Expert (Dr.K.Ramesh Kumar) suggested that, '20CCXXXX Finite Element Analysis in manufacturing engineering' subject heading should be changed to Finite Element Analysis. Syllabus should be changed according to 70% of Design and 30 % Manufacturing.
- University nominee (Dr. V.Prabhu Raja) suggested that, '20CCXXXX Competitive Manufacturing Systems' subject should be moved to elective, '20CCXXXX Design for Manufacture Assembly and Environment' subject should be added to core subject.
- University nominee (Dr. V.Prabhu Raja) suggested that, '20CCXXXX Computer Control in Process Planning' subject heading should be changed to Computer Aided Process Planning.
- Subject Expert (Dr. K.Marimuthu) suggested that, '20CCXXXX Design for Internet of Things' subject heading should be changed to Basics and applications for Internet of Things.

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.

For Regulations 2020:

- In almost all the courses, changes have been done as per the current needs.
- Based on Regulation 2016 (Revised), The curriculum and syllabus of Regulation 2020 for I and II semester subjects were introduced and passed by the Science and Humanities and the Mechanical Engineering boards and permitted to move on Academic Council by the BoS members of the Mechanical Engineering for the students admitted during the academic year 2020-2021 onwards.
- The curriculum and syllabus of Regulation 2016 (Revised) for III and IV semester subjects were passed by the Mechanical Engineering board and permitted to move on Academic Council by the BoS members of the Mechanical 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, and incorporated in Regulation 2020.

The meeting ended with thanks by the Chairman at 05.00 P.M.


Chairman
(Board of Studies)

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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Valley Campus, Pollachi highway, Coimbatore-32

Date: 18.03.2020

MINUTES OF BOS MEETING

Name of the Department: MBA

The Fourth Board of Studies meeting of Regulation 2020 for the academic year 2020-2021 was conducted on 18.03.2020 at 11.30 am in the Conference room / Board room.

The following members were present.

S.No	Name of the Person	Department	Position
1	Dr. K.Samuvel	Professor / Head, Department of MBA, Hindusthan College of Engineering and Technology	Chairman
2	Dr. R.Krishnaveni	Professor Department of MBA	University Nominee
3	Dr. V.R Nedunchezian	Department of MBA	Academic Expert 1
4	Dr.Rupa Gunaseelan	Department of MBA	Academic Expert 2
5	Dr. M. Bhuvanewari	Associate Professor. Department of MBA, Hindusthan College of Engineering and Technology	Member
6	Dr. S Kamala Saravanan	Associate Professor Department of MBA, Hindusthan College of Engineering and Technology	Member
7	Dr.K.Nithyavathi	Associate Professor Department of MBA, Hindusthan College of Engineering and Technology	Member
8	Prof.V.Kanimozhi	Assistant Professor Department of MBA, Hindusthan College of Engineering and Technology	Member
9	Dr.CV Madhusudhanan	R.K.Industries Coimbatore	Industrialist
10	Mr. S.Harikishore		Alumni



Suggestions given

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	20BA1206 Legal Aspects of Business	<ul style="list-style-type: none"> Insolvency & Bankruptcy Code to be moved to Unit II from Unit III. (Dr.C.V.Madhusudhanan-Industry member)	Suggestions Incorporated
2.	20BA1701 Social Immersion Project	<ul style="list-style-type: none"> Department to get associated with NGOs. Students should get guidance from the faculty (Dr.V.R Nedunchezhan-Academic Expert)	
3.	20BA2206 Business research Methods	<ul style="list-style-type: none"> Application using Excel to be included in Unit IV Mini project in groups to be given as an Internal Component to the students (Dr.Rupa Gunaseelan and Dr.V.R Nedunchezhan-Academic Expert)	
4.	Business Analytics Elective	<ul style="list-style-type: none"> Marketing Analytics as an elective subject to be included (Dr.V.R Nedunchezhan-Academic Expert)	
5.	Finance Elective	<ul style="list-style-type: none"> Banking Regulations & Services and Financial & Insurance Services are to be included as elective subjects. (Dr.V.R Nedunchezhan-Academic Expert)	
6.	Human resource Elective	<ul style="list-style-type: none"> Team dynamics at work and talent management to be included as an elective subject. (Dr.Rupa Gunaseelan, Dr.V.R Nedunchezhan- Academic Expert and Dr. R.Krishnaveni – University Nominee)	



General suggestions (if any)

S.No	General Suggestions
1.	Based on the discussion members had a detail discussion about Social Immersion Project. Rural Innovation Project
2.	Alumni member assured us the support in sharing industry experiences with students.

General Comments about all over syllabus

S.No	Comments
1.	All faculties are proactive and they are interested to work for the forthcoming changes in new Regulations, Curriculum and Syllabus.
2.	The Curriculum design and Syllabus has been highly appreciated for its balanced approach in covering all important aspects of management education by the board members.
3.	The curriculum and syllabus for the academic year 2020-2021 is ratified and approved by the above committee.


CHAIRMAN BOARD OF STUDIES

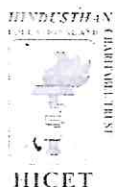
Enclose:

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

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Pollachi highway, Valley Campus, Coimbatore – 641 032

Date: 07.09.2020

MINUTES OF BOARD OF STUDIES MEETING

Board of Studies in **Computer Applications**, the Fifth Board of Studies meeting of Regulation 2020 for the Academic year 2020 -2021 was conducted on 07.09.2020 at 09.00 am. in the Virtual mode.

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.G.Kousalya	Prof & Head, Computer Science & Engineering, Coimbatore Institute of Technology	Subject Expert
4	Mrs.M.Nirmala	Assistant Professor, Department of MCA, Hindusthan College of Engineering and Technology.	Member
5	Mrs.Princess Maria John	Assistant Professor, Department of MCA, Hindusthan College of Engineering and Technology.	Member
6	Mr. R.Sathish Kumar	Iexempler Software India (P) Ltd, Coimbatore	Representative from Industry.

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

1. Mr. R.Sathish Kumar, Iexempler Software India (P) Ltd, Coimbatore - Representative from Industry.



- The chairman of the BoS, Dr. A.R.Jayasudha welcomed all the dignitaries and internal members for the fifth Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2020 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).
- The Chairman conveyed to the members that, Based on Anna University Curriculum, The board introduce Curriculum (Scheme) for I – IV semesters of Computer Applications Board.

Department specific Board of Studies Discussion / Suggestions:

- Suggested to split Problem solving through Programming in C as Programming in C and Problem solving in programming as 2 different papers.
- Dr.B.Ramadoss (Anna University Nominee) Suggested to have credit points between 85 to 90
- Dr.G.Kousalya (Subject Expert) also suggested to Remove PHP Programming and its Lab from Third Semester and suggested to include it as a Unit Under UI development & Design or Web Development Paper. Instead of that a new Paper and its Lab should be included in the Third Semester.
- Data mining and Warehousing and AI lab is included in the third Semester.
- Suggested to rename Advanced Operating System as Operating System.

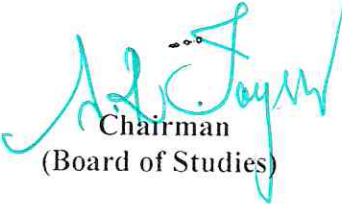
The following resolutions are made in the Board of Studies meeting:

- In almost all the courses, changes have been done as per the current needs.
- The curriculum and syllabus of Regulation 2020 for the I semester subjects were introduced and passed by the Science and Humanities Board, and permitted to move on Academic Council by the BoS members of Board of Computer Applications for the students admitted during the academic year 2020 -2021 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 2020.

The meeting ended with thanks to the members by Chairman at 10.00 am


Chairman
(Board of Studies)

Enclose:

1. CDC Minutes
2. DAC meeting Minutes –ATR
3. Copy of Regulation 2016
4. Curriculum and Syllabi



Copy:

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