



## Hindusthan College of Engineering and Technology

Approved by AICTE, New Delhi, Accredited with 'A' Grade by NAAC  
(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Coimbatore - 641 032



### DEPARTMENT OF INFORMATION TECHNOLOGY

#### MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: INFORMATION TECHNOLOGY

Date: 09.12.2023

The Thirteenth Board of Studies meeting of regulation 2022 for the academic year 2023 -2024 Even Semester was conducted on 09.12.2023 at 11.00p.m. in Hybrid mode, Hindusthan College of Engineering and Technology.

The following members were present:

S. No.	Name of the Member	Position
1	<b>Dr M Sabrigiriraj</b> Professor and Head Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Chairman
2	<b>Dr Thulasimani K</b> Professor, Department of Computer Science and Engineering, Government College of Engineering, Tirunelveli-627007	University Nominee
3	<b>Dr. P. Sakthivel</b> Professor and Dean University College of Engineering Anna University, Kancheepuram-631552	Subject Expert
4.	<b>Dr. D. Veera Vanitha,</b> Associate Professor Department of Electronics and Communication Engineering, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	Subject Expert
5.	<b>Dr. S. Geetha</b> Professor and Associate Dean, School of Computer Science and Engineering, VIT University, Chennai Campus, Chennai-600127	QS rated institution member
6.	<b>Mr. R. V. Vinay</b> Senior Project Manager Robert Bosch Engineering and Business Solutions India Ltd Bangalore	Industrial Expert

7	<b>Mr. R. Gokul</b> Senior Automation Developer Cognizant Technology Solutions Coimbatore-641035	Alumni
8	<b>Mr. B. Manikandan</b> Associate Professor Department of Information Technology Hindusthan Institute of Technology Coimbatore-641032	Member from sister concern
9	<b>Dr. Beulah David</b> Associate Professor Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Autonomous Coordinator & BoS Member
10	<b>Mr. M. Ganesan</b> Assistant Professor Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
11	<b>Ms. T SakthiSree</b> Assistant Professor Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
12	<b>Ms. N. Yamuna</b> Assistant Professor Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
13	<b>Mr. N. Ilayaraja</b> Assistant Professor Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
14	<b>Mr. C. Babiyon Clement</b> Student (IV Year-IT) Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Student Member
15	<b>Mr. Irshad M Y</b> Student (III Year-IT) Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Student Member
16	<b>Mr. K. Jegan</b> Student (II Year-IT) Department of Information Technology	Student Member

	Hindusthan College of Engineering and Technology, Coimbatore-641032	
17	<b>Mr. Jayachandran. V</b> Parent Member Associate Consultant(C3B), Tata Consultancy Services, Branch: Chennai One, Thorraipakkam, Chennai.	Parent Member

- Dr. M. Sabrigiriraj, Chairman, Board of Studies, welcomed the University nominee, Subject experts, Special Invitees and all the internal members for the twelfth 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 14.06.2023 and was approved.
- The feedback received on the curriculum by the stakeholders was presented.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Pre- Board of Studies (Pre- BoS)/ Department Advisory Committee (DAC) and emphasized the importance of including the Skill Development related courses in the curriculum to be in line with the industry needs.
- The Chairman also mentioned the R2019 Curriculum and Syllabus for the batch 2020, 2021 batches and R2022 Curriculum and Syllabus for 2022, 2023 batches, which meets on higher order thinking levels, based on the recommendations from Stakeholders and emphasized the following points.
  - Scheme of Regulation 2022 for the academic 2023-2024
  - Syllabus passed in the S&H board was presented for the consent.
  - Curriculum and Syllabus for courses in R2022.
  - Syllabus for the courses of the Third semester.
  - Syllabus for the courses of Sixth semester Honours and Minor courses.
  - Regulation 2019 Curriculum of the Eighth semester.

➤ Syllabus for minor degree courses passed by CSE, Civil and MBA ie Fundamentals of Investment, Banking, Financial Services and Insurance, Introduction to Business Venture.

● Value added course using Infosys Spring Board, Consensus is introduced in every semester, which includes various courses for the students to enhance their technical skills.

● For 2021-2022 batch students, the following courses has been introduced or revised

1. 21IT6181 - Software Project Management course is revised 20% in the semester VI with 3 credits
2. 21IT6201 - Internet of Things course is revised 20% in the semester VI with 3 credits.
3. 21IT6303 - Software Design course is revised 60% in the semester VI with 3 credits
4. 21IT6302 - Information Security course is revised 20% in the semester VI with 3 credits
5. 21IT6251 - Cryptography and Network Security course is revised 40% in the semester VI with 4 credits
6. 21IT6306 - Predictive Modeling course (IBM course) is revised 50% in the semester VI with 3 credits
7. 21IT6252 - Data Sciences course (IBM course) is a theory with lab component course and it is introduced as new course in semester VI with credit 4.
8. 21IT6203 - Knowledge Engineering course is introduced as new Honours degree course in the semester VI with 3 credits.
9. 21IT6204 - Deep Learning course is introduced as new Honours degree course in the semester VI with 3 credits.
10. 21IT6601 - Fundamentals of Data Science course is introduced as new Minor degree course in the semester VI with 3 credits
11. 21IT6602 - Artificial Intelligence and Expert Systems course is introduced as new Minor degree course in the semester VI with 3 credits

● For 2023-2024 batch students, the following courses has been introduced or revised

1. 22IT4203 - Object Oriented Software Engineering course is a theory course and it is introduced as new course in semester IV with credit 3.

2. 22IT4251 - Web Framework course is a theory with lab component course and it is introduced as new course in semester IV with credit 4.
  3. 22IT4001 - Case Tools Laboratory is introduced as new course in semester IV with credit 1.5.
  4. 22IT4002 - Network Laboratory is introduced as new course in semester IV with credit 1.5.
  5. 22IT4204 - Design Thinking for Information Technologist course is a theory course and it is revised 40% in the semester IV with 3 credits.
  6. 22IT4003 - Design Thinking Laboratory is revised 40% in the semester IV with credit 1.5.
- *For 2024-2025 batch students, the following courses has been introduced*
1. 22HE2071 - Design Thinking course is introduced as new course in the semester-II as Employability course with two credits.
  2. 22HE2072 - Soft Skills and Aptitude 1 course is introduced as new course in the semester I as Employability course with one credit
  3. 22MC2094 - தமிழரும் தொழில்நுட்பமும் course is introduced as new course in the semester I as mandatory course with one credit
  4. 22MC2095 - Tamils And Technology course is introduced as new course in the semester I as mandatory course with one credit

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

1. Dr. D. Veera Vanitha, Subject Expert suggested to update all the text books and reference books with latest edition and said to verify whether the syllabus is covered in the respective books.
2. Dr. S. Geetha, Board of Studies member requested to have courses like Recommended systems, Data visualization, Power BI, Tableau in the curriculum so as to train students and they would be updated in latest industrial courses.
3. Dr. D. Veera Vanitha, Subject Expert suggested to include NPTEL courses in curriculum so that students can learn more through videos and it would be very beneficial for the students placements.
4. All member of Board of studies insisted to concentrate more on programming language's and recommended to have few value added courses on programming

language to update the students and make students to have good knowledge on programming languages.

5. Industry Expert Mr. R. V. Vinay, recommended to insist the importance of cyber security to the students and also insisted to explain the exposure of cyber security area to students.
6. Dr. D. Veera Vanitha, Subject Expert suggested to have industrial internship or mini project in the fourth or sixth semester curriculum so that the students may explore new technologies and it bridge the gap between industry and educational institutions.
7. Employability courses introduced for member's approval.
  - o 22HE2071 – Design thinking
  - o 22HE2072 - Soft skills and Aptitude I
  - o 22MC2094 - தமிழரும் தொழில்நுட்பமும்
  - o 22MC2095 – Tamils and Technology

**General Recommendations:**

1. BOS subject experts Dr. Geetha insisted about placement oriented courses and Industry Expert Mr.R.V.Vinay, recommended to insist the importance of cyber security to the students and also insisted to explain the exposure of cyber security area to students.
2. Dr. D. Veera Vanitha, Subject Expert suggested to update all the text books and reference books with latest edition and said to verify whether the syllabus is covered in the respective books.

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

- o The curriculum and syllabus for the VIII semester was passed by the Information Technology board and permitted to move on Academic Council by the BoS members of Information Engineering for the students admitted during the academic year 2020 - 2024 and onwards.
- o The curriculum and syllabi of 2019 with revision and updation for the VI semester Courses of B. Tech Information Technology program for the students admitted during the academic year 2021 - 2025 and onwards was suggested to move on to Academic Council.

- The syllabus for Semester – IV and if any revision and updation under regulation 2022 passed by the Board of Science and Humanities, Mechanical Engineering and Electrical and Electronics Engineering were permitted to move on Academic Council by the members of BoS members of Information technology
- Online certificate courses and value added courses undergone by the students are recommended for the additional credit and were suggested to move on to Academic Council.
- As discussed about the importance of online courses in the last Pre - BoS/ DAC meeting, students have completed online certificate course during the month of July 2023. BOS Members recommended the same and was suggested to move on to Academic Council.

The meeting ended with thanks to the Chair at 1.00 PM.

M. Sabaraj  
Chairman 9/12/23  
(Board of studies)  
**Chairman - BoS**  
**IT - HICET**

**Enclosure:**

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

**Copy:**

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



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### DEPARTMENT OF INFORMATION TECHNOLOGY

#### MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: INFORMATION TECHNOLOGY

Date: 14.02.2023

The Twelfth Board of Studies meeting of regulation 2022 for the academic year 2023 -2024 Even Semester was conducted on 14.06.2023 at 12.00p.m. in Hybrid mode, Hindusthan College of Engineering and Technology.

The following members were present:

S. No.	Name of the Member	Position
1	<b>Dr M Sabrigiriraj</b> Professor and Head Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Chairman
2	<b>Dr Thulasimani K</b> Professor, Department of Computer Science and Engineering, Government College of Engineering, Tirunelveli-627007	University Nominee
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4	<b>Dr. S. Geetha</b> Professor and Associate Dean, School of Computer Science and Engineering, VIT University, Chennai Campus, Chennai-600127	Subject Expert
5	<b>Mr. R. V. Vinay</b> Senior Project Manager Robert Bosch Engineering and Business Solutions India Ltd Bangalore	Industry Expert
6	<b>Ms. Priya B Sathish</b> Industry Expert Director Technical IBM India	Industry Expert

7	<b>Mr. R. Gokul</b> Senior Automation Developer Cognizant Technology Solutions Coimbatore-641035	Alumni
8	<b>Dr. E. S. Gopi</b> Associate professor Department of Electronics and Communication Engineering National Institute of Technology Tiruchirappalli -620015	Member from QIS rated Institution
9	<b>Mr. B. Manikandan</b> Associate Professor Department of Information Technology Hindusthan Institute of Technology Coimbatore-641032	Member from sister concern
10	<b>Dr. Beulah David</b> Associate Professor Department of Information Technology Hindusthan College of Engineering and Technology, Coimbatore-641032	Autonomous Coordinator & BoS Member
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18	<b>Mr. Jayachandran. V</b> Parent Member Associate Consultant(C3B), Tata Consultancy Services, Branch:Chennai One, Thorrapakkam, Chennai.	Parent Member

- Dr. M. Sabrigiriraj, Chairman, Board of Studies, welcomed the University nominee, Subject experts, Special Invitees and all the internal members for the twelfth 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 18.02.2023, was approved.
- The feedback received on the curriculum by the stakeholders was presented.
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Pre- Board of Studies (Pre- BoS)/ Department Advisory Committee (DAC) and emphasized the importance of including the Skill Development related courses in the curriculum to be in line with the industry needs.
- The Chairman also mentioned the R2019 Curriculum and Syllabus for the batch 2020,2021 batches and R2022 Curriculum and Syllabus for 2022, 2023 batches, which meets on higher order thinking levels, based on the recommendations from Stakeholders and emphasized the following points.
  - Scheme of Regulation 2022 for the academic 2023-2024
  - Syllabus passed in the S&H board to be presented for the consent.
  - Curriculum and Syllabus for courses in R2022.
  - Syllabus for the courses of the Third semester.
  - Syllabus for the courses of Fifth semester Honours and Minor courses.

- Regulation 2019 Curriculum of the seventh semester.
  - Syllabus for minor degree courses passed by CSE, CIVIL and MBA ie Financial Management, Sustainable infrastructure Development and Foundation of Entrepreneurship.
- Value added course using Infosys Spring Board, Consensus is introduced in every semester, which includes various courses for the students to enhance their technical skills.
  - *For 2020-2021 batch students, the following courses has been introduced/Revised*
    1. 19IT7202R - Data Science and Analytics course is revised 40% in the semester VII with 3 credits
    2. 19IT7001R - Distributed and Cloud Computing Laboratory course is revised 20% in the semester VII with credit 1.5.
  - *For 2021-2022 batch students, the following courses has been introduced*
    1. 21IT5202 - Computer Networks course is revised 40% in the semester V with 3 credits
    2. 21IT5203 - Embedded Systems Design course is revised 60% in the semester V with credit 3.
    3. 21IT5206 - Fundamentals of Machine Learning course is introduced as new Honours degree course in the semester V with 3 credits.
    4. 21IT5207 - Ethical Hacking course is introduced as new Honours degree course in the semester V with 3 credits.
    5. 21IT5208 - Fundamentals of Blockchain Technology is introduced as new Honours degree course in the semester V with 3 credits.
    6. 21IT5231 - Database System course is introduced as new Minor degree course in the semester V with 3 credits
  - *For 2022-2023 batch students, the following courses has been introduced*
    1. 22IT3201 - Data Structures course is introduced as new course in the semester III with credit 3.
    2. 22IT3202 - Operating System course is introduced as new course in semester III with 100% with credit 4.
    3. 22IT3203 - Digital Principles and Computer Organization course and 22IT3003- Digital Principles and Computer Organization laboratory course is introduced as new course in the semester III with credit 3 and 2 respectively.

to remove scenarios and graphs, which is mentioned in the syllabus for few experiments alone and also asked to reframe syllabus accordingly.

7. In "21IT5207 – Ethical Hacking", the Board of Studies subject expert recommended to change the course outcome four and five and asked to rewrite the course outcomes according to the unit 4 and unit 5.
8. In "21IT5231 – Introduction to Database System", the Board of Studies subject expert Thulasimani suggested to change the course title as "Database System" instead of having course title as "Introduction to Database System" which is a minor degree course provided by IT department for other department students.
9. Employability courses introduced for member's approval.
  - o 22HE1072 - Entrepreneurship & Innovation
  - o 22HE1073 - Introduction to Soft Skills
  - o 22HE3071 - Soft Skills -2

#### **General Recommendations:**

1. BOS subject experts Dr. P. Sakthivel, Dr. E.S. Gopi and Industry Expert :Mr.R.V.Vinay, appreciated for courses and agreed that students would be surely benefitted and suggested to provide sufficient time to students to complete the courses and also insisted to include all the suggestions given for the beneficial of students.

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

- o The curriculum and syllabus for the VII semester was passed by the Information Technology board and permitted to move on Academic Council by the BoS members of Information Engineering for the students admitted during the academic year 2020 - 2024 and onwards.
- o The curriculum and syllabi of 2019 with revision and updation for the V semester Courses of B. Tech Information Technology program for the students admitted during the academic year 2021 - 2025 and onwards was suggested to move on to Academic Council.
- o The syllabus for Semester – III and if any revision and updation under regulation 2019 passed by the Board of Science and Humanities, Mechanical Engineering and Electrical and Electronics Engineering were permitted to move on Academic Council by the members of BoS members of Information technology

to remove scenarios and graphs, which is mentioned in the syllabus for few experiments alone and also asked to reframe syllabus accordingly.

7. In "21IT5207 – Ethical Hacking", the Board of Studies subject expert recommended to change the course outcome four and five and asked to rewrite the course outcomes according to the unit 4 and unit 5.
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9. Employability courses introduced for member's approval.
  - o 22HE1072 - Entrepreneurship & Innovation
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#### **General Recommendations:**

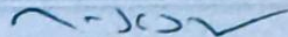
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- Online certificate courses and value added courses undergone by the students are recommended for the additional credit and were suggested to move on to Academic Council.
- As discussed about the importance of online courses in the last Pre- BoS/ DAC meeting, students have completed online certificate course during the month of July 2022. BOS Members recommended the same and was suggested to move on to Academic Council.

The meeting ended with thanks to the Chair at 1.00 PM.



**Chairman**  
**(Board of studies)**

**Chairman - BoS**  
**IT - HiCET**

**Enclosure:**

1. Previous BoS Minutes- ATR
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