

Date: 14.06.2023

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **COMPUTER SCIENCE AND ENGINEERING**

The 12<sup>th</sup> Board of Studies meeting of regulation R2019 & R2022 for the academic year 2023 -2024 Odd Semester was conducted on 14.06.2023 at 10.00 a.m. in Hybrid mode, Hindusthan College of Engineering and Technology. (Google Meet: meet.google.com/vkk-mdwf-yjs).

The following members were present:

S. No.	Name of the Member	Position
1	<b>Dr Shankar S</b> <b>Professor &amp; HOD</b> Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	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 Sudha Sadasivam G</b> Professor Department of Computer Science and Engineering, PSG College of Technology, Coimbatore.	Subject Expert
4	<b>Dr Surendiran B</b> Associate Professor Dept of Computer Science and Engineering, National Institute of Technology, Puducherry.	Subject Expert
5	<b>Dr Prakash P</b> Associate Professor School of Computer Science and Engineering, VIT Chennai.	Member from QIS rated Institution
6	<b>Mr Rajesh Kumar H</b> Founder BuzzTech Training Institute, Coimbatore.	Industry Expert
7	<b>Mr Manuraj Rajamanikandan</b> Non-Functional Consultant Cognizant, Kochi, Kerala.	Alumni

8	<b>Dr .Jameer Basha A</b> <b>Professor &amp; HOD</b> Department of Computer Science and Engineering, Hindusthan Institute of Technology	Member from sister concern
9	<b>Ms Sathya S</b> Assistant Professor Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Autonomous Coordinator & BoS Member
10	<b>Dr Satheesh Kumar D</b> Associate Professor Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
11	<b>Dr Prakash J</b> Associate Professor Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
12	<b>Mr Mahesh D</b> Assistant Professor Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
13	<b>Mr. Sriram S</b> 19104145 - IV BE CSE C Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Student Member
14	<b>Mr. M.Kamalesh Kumar</b> 20104102 - III BE CSE B Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Student Member
15	<b>Mr Sivanandhan P</b> Parent Member F/o. Mr. Sriram IV BE CSE C	Parent Member
16	<b>Mr.Mohan Kumar P</b> Parent Member F/o, Mr.Kamalesh Kumar,III BE CSE B	Parent Member

- Dr.S.Shankar, 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 revision of R2019 Syllabus, which meets on higher order thinking levels, based on the recommendations from Stakeholders and emphasized the following points.
  - Scheme of Regulation 2022-2023
  - Courses for the Programme.
  - Syllabus for the courses of the Third semester alone under 2022 regulation
  - Syllabus passed in the S&H board to be presented for the consent.
  - Syllabus for the courses of the Third semester alone under 2022 regulation
  - 5th semester Minors, Honors, Honors with specialization subject alone is discussed for 2019 regulation.

Also, the following points were discussed.

- Discussion of inclusion of Minor and Major Degree, programmes for Scheme of Curriculum 2022-2023 with Minors, Honors, Honors with specialization system in new regulation 2022.
- The whole curriculum and syllabi of Third semester subject alone is discussed for 2022 regulation.
- The curriculum and syllabi of 5th semester Minors, Honors, Honors with specialization subject alone is discussed for 2019 regulation.

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

1. The subject expert Dr Prakash P suggested to change the title of the subject Data Structures and Algorithms to Data Structures because the syllabus covers more on Data Structures concepts instead of Algorithmic concepts.
2. The Industry expert H. Rajesh Kumar in the Data Structures subject syllabus suggested to reframe with Python programming language, Dr Thulasimani K , Anna University Nominee Explained as “The STL makes it simple for code and support low level operations, scientific computing and data intensive applications. Useful for placement to get strong base in programming skills. it is preferable to have Data Structures using C in the curriculum instead of Data Structures using Python . Expert H.Rajesh Kumar accepted the same.
3. Dr Thulasimani K , Anna University Nominee suggested to have minimum of five Course Objectives and Course Outcomes for all the Subjects

4. In "Data Mining with Weka", the Industry expert H.Rajesh Kumar Insisted to change the title to "Data Mining and Warehousing" and suggested to add advanced machine learning tools in the lab experiments.
5. The subject expert Dr Surendiran B suggested in "Web Technology" subject as, Unit 5 can be removed, since the syllabus is heavy and the content of Unit 5 can be moved to higher semester.
6. Value added course Interactive Web Designing and Mobile Application Development is introduced which includes various courses for the students to enhance their technical skills.

**General Recommendations:**

1. Dr Thulasimani K , Anna University Nominee suggested to have minimum of five Course Objectives and Course Outcomes for all the Subjects
  2. Dr Thulasimani K , Anna University Nominee appreciated for including industrial oriented courses and agreed that students would be surely benefitted and suggested to provide sufficient time to students to complete the courses
  3. Dr Sudha Sadasivam G Subject Expert asked to remove the terms like "Basic, Fundamentals, Introduction, etc.," from the subject title.
  4. The subject expert Dr Surendiran B Suggested to include recent editions of text and reference books in the syllabus. Also suggested that, if one text book covers all the units then one text book is enough. Otherwise, more than one text books may be included in the syllabus.
  5. Dr Prakash, Subject Expert Suggested to include lab component courses for Specialization course ( Professional Electives, Open Electives and Minor Degree Courses).
- The Chairman, BoS and all members accepted to incorporate the above in the curriculum.

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

- The curriculum and syllabi of 2019 Regulation with Amendments for the VII semester was passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of CSE for the students admitted during the academic year 2020 - 2021 and onwards.
- The curriculum and syllabi of 2019 Regulation with Amendments for the V semester Courses of Computer Science and Engineering Board for the students admitted during the academic year 2021 - 2022 and onwards was suggested to move on to Academic Council.
- The curriculum and syllabi of 2019 Regulation with Amendments for the V semester Courses of Minors, Honors, Honors with specialization subject were introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council for the students admitted during the academic year 2021 - 2022 onwards.
- The Curriculum and Syllabus of Regulation 2022 for the III Semester Subjects- 22MAXXX, 22PHXXX, 22HEXXX, and 22MCXXX were introduced and passed by

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 2022-2023 onwards.

The meeting ended with thanks to the Chair at 11.00 AM.



Chairman

(Board of studies)

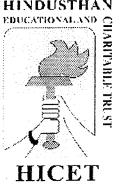
Chairman - BoS  
CSE - HICET

**Enclosure:**

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

**Copy:**

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



# Hindusthan College of Engineering and Technology

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



Date: 09.12.2023

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **COMPUTER SCIENCE AND ENGINEERING**

The 13<sup>th</sup> Board of Studies meeting of regulation R2019 & R2022 for the academic year 2023 -2024 Even Semester was conducted on 09.12.2023 at 10.00 a.m. in Hybrid mode, Hindusthan College of Engineering and Technology. (Google Meet: meet.google.com/vkk-mdwf-yjs).

The following members were present:

S. No.	Name of the Member	Position
1	<b>Dr Shankar S</b> <b>Professor &amp; HOD</b> Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology	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 Karthika Renuka D</b> Professor, Department of Information Technology, PSG College of Technology, Coimbatore.	Subject Expert
4	<b>Dr Surendiran B</b> Associate Professor Dept of Computer Science and Engineering, National Institute of Technology, Puducherry.	Member from QIS rated Institution
5	<b>Dr Prakash P</b> Associate Professor School of Computer Science and Engineering, VIT Chennai.	Member from QIS rated Institution
6	<b>Mr Dinesh Raja</b> Managing Director, Haqto Technologies, Coimbatore	Industry Expert
7	<b>Mr Balamukesh</b> Coimbatore	Alumni
9	<b>Ms Sathya S</b> Assistant Professor Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology,	Autonomous Coordinator & BoS Member

	Coimbatore-641032	
10	<b>Dr Satheesh Kumar D</b> Associate Professor Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Autonomous Coordinator & BoS Member
11	<b>Dr Prakash J</b> Associate Professor Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
12	<b>Mr Mahesh D</b> Assistant Professor Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Member
13	<b>Mr. DHANASELVAN J U</b> 720721104076 - III BE CSE B Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Student Member
14	<b>Mr. M.Kamalesh Kumar</b> 20104102 - IV BE CSE B Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore-641032	Student Member
15	<b>Mr . Jayaprakash T</b> Parent Member F/o. <b>Mr. DHANASELVAN J U</b> 720721104076 - III BE CSE B	Parent Member
16	<b>Mr.Mohan Kumar P</b> Parent Member F/o, Mr.Kamalesh Kumar,IV BE CSE B	Parent Member

- Dr.S.Shankar, Chairman, Board of Studies, welcomed the University nominee, Subject experts, Special Invitees and all the internal members for the thirteen 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**, 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 revision of R2019 Syllabus, which meets on higher order thinking levels, based on the recommendations from Stakeholders and emphasized the following points.
  - Scheme of Regulation 2022-2023
  - Courses for the Programme.
  - Syllabus for the courses of the Fourth semester alone under 2022 regulation
  - 6th semester Minors, Honors subject alone is discussed for 2019 regulation.

Also, the following points were discussed.

- Discussion of inclusion of Minor and Major Degree programmes for Scheme of Curriculum 2022-2023 with Minors, Honors system in new regulation 2022.
- The whole curriculum and syllabi of Fourth semester subject alone is discussed for 2022 regulation.
- The curriculum and syllabi of 6th semester Minors, Honors, Honors with specialization subject alone is discussed for 2019 regulation.
- Syllabus for minor degree courses passed by CSE, Civil and MBA ie Fundamentals of Investment, Banking, Financial Services and Insurance, Introduction to Business Venture.

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

1. 21CS6601 - Databases and SQL course is introduced as new Minor degree course in the semester VI with 3 credits.
2. 21CS6602 - Principles of Internet Of Things course is introduced as new Minor degree course in the semester VI with 3 credits.
3. 21CS6203 - IOT Design course is introduced as new Honours degree course in the semester VI with 3 credits.
4. 21CS6204 - Privacy and Security in IoT course is introduced as new Honours degree course in the semester VI with 3 credits.
5. 21CS6205 - Introduction to block chain course is introduced as new Honours degree course in the semester VI with 3 credits.
6. 21CS6206 - Cryptocurrency course is introduced as new Honours degree course in the semester VI with 3 credits.

7. 21CS6207 - Front End Development with REACT JS and TYPESCRIPT course is introduced as new Honours degree course in the semester VI with 3 credits.
  8. 21CS6208 - Back End Development with NodeJS course is introduced as new Honours degree course in the semester VI with 3 credits.
- *For 2022-2023 batch students, the following courses has been introduced or revised*
    1. 22CS4201 - Database Management Systems course is a theory course and it is introduced as new course in semester IV with credit 3.
    2. 22CS4251 - Design And Analysis Of Algorithms course is a theory with lab component course and it is introduced as new course in semester IV with credit 4.
    3. 22CS4203 - Software Design with UML course is a theory course and it is introduced as new course in semester IV with credit 3.
  - *For 2023-2024 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 - தமிழ்ரும் 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. The subject expert Dr Prakash P Suggested to change the title from software Analysis & Design to “Software Design with UML” because the syllabus covers more on Unified Modeling Language concepts instead of Design concepts
2. The Industry expert Dinesh Raja Suggested to include typescript ,Spring boot tools in the Node js syllabus.
3. Dr Thulasimani K , Anna University Nominee Suggested to include scenario based questions in lab component
4. The subject expert Karthika renuka Suggested to replaced R programming with Python, Chairman Explained as already students studying python in other courses like Machine Learning, NLP etc..
5. The subject expert Dr Surendiran B Suggested to include SIOT topic in UNIT -5.
6. Value added course Advanced java programming and html,css is introduced which includes various courses for the students to enhance their technical skills.

### **General Recommendations:**

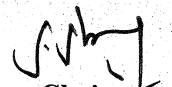
1. Dr Thulasimani K , Anna University Nominee appreciated for including industrial oriented courses and agreed that students would be surely benefitted and suggested to provide sufficient time to students to complete the courses
2. Industry Expert Dinesh Raja, recommended to create awareness in the field of cyber security to the students and conduct hands-on workshop in this field.
3. The subject expert Dr Surendiran B Suggested to include recent editions of text and reference books in the syllabus. Also suggested that, if one text book covers all the units then one text book is enough. Otherwise, more than one text books may be included in the syllabus.
4. Dr Prakash, Subject Expert Suggested to include lab component courses for Specialization course ( Professional Electives, Open Electives and Minor Degree Courses).

The Chairman, BoS and all members accepted to incorporate the above in the curriculum.

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

- o The curriculum and syllabi of 2019 Regulation with Amendments for the VIII semester was passed by the Computer Science and Engineering board and permitted to move on Academic Council by the BoS members of CSE for the students admitted during the academic year 2020 - 2021 and onwards.
- o The curriculum and syllabi of 2019 Regulation with Amendments for the VI semester Courses of Computer Science and Engineering Board for the students admitted during the academic year 2021 - 2022 and onwards was suggested to move on to Academic Council.
- o The curriculum and syllabi of 2019 Regulation with Amendments for the IV semester Courses of Minors, Honors, Honors with specialization subject were introduced and passed by the Computer Science and Engineering board and permitted to move on Academic Council for the students admitted during the academic year 2022 - 2023 onwards.
- o The Curriculum and Syllabus of Regulation 2022 for the II Semester Subjects- 22MAXXX, 22PHXXX, 22HEXXX, and 22MCXXX were introduced and passed by 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 2023-2024 onwards.

The meeting ended with thanks to the Chair at 11.00 AM.



Chairman

(Board of studies)

**Chairman - BoS**  
**CSE - 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