

**ACTION TAKEN REPORT ON BoS**

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](https://meet.google.com/vkk-mdwf-yjs)).

**(I) Syllabus Revision for the Regulations 2019 & 2022**

S.No	Courses in which revision has been done	Action taken	Percentage Syllabus Revised
1	19CS7306- AI Analyst	Introduced	100%
2	21CS5253 - Data Mining And Warehousing	Modified	100%
3	21CS5231 - Data Structures And Design (Minor)	Introduced	100%
4	21CS5204 - Fundamentals of IOT (Honours)	Introduced	100%
5	21CS5205 - Public Key Infrastructure And Trust Management (Honours)	Introduced	100%
6	21CS5206 - Web Technology (Honours)	Introduced	100%
7	21CS5207 - Cloud Computing Fundamentals (Microsoft -Honours)	Introduced	100%
8	22CS3201- Data Structures	Introduced	100%
9	22CS3251 - Object Oriented Programming Using Java	Introduced	100%
10	22CS3203 - Digital Principles and Computer Organization	Introduced	100%
11	22CS3001 - Digital Principles and Computer Organization Laboratory		

**Overall Percentage of revision made in the BoS: 29 %**

**(II) New Course Introduced:**

S. No	Regulation	Course Code with Name	Credits
1	2019	19CS7306- AI Analyst	
2	2019	21CS5253 - Data Mining And Warehousing	3
3	2019	21CS5601 - Data Structures And Design (Minor)	3
4	2019	21CS5204 - Fundamentals of IOT (Honours)	3
5	2019	21CS5205 - Public Key Infrastructure And Trust Management (Honours)	3
6	2019	21CS5206 - Web Technology (Honours)	3
7	2019	21CS5207 - Cloud Computing Fundamentals (Microsoft -Honours)	3
8	2022	22CS3201- Data Structures	3
9	2022	22CS3251 - Object Oriented Programming Using Java	4
10	2022	22CS3203 - Digital Principles and Computer Organization	3
11	2022	22CS3001 - Digital Principles and Computer Organization Laboratory	2

**(III) Mandatory Courses**

S.No.	Course Code with Name
1.	22MC1093/ 22MC1094 - தமிழர் மரபு /Heritage Of Tamil
2.	22MC1095 - Universal Human Values (Common To All Branches)
3.	22MC3191 - Essence of Indian Traditional Knowledge
4.	21HE5071 - Soft Skills - I
5.	21HE5072 - Design Thinking

**(IV) Non-credit Mandatory Courses**

S.No.	Course Code with Name
1.	22HE1073 - Introduction to Soft Skills.
2.	22MC1095 - Universal Human Values (Common To All Branches)

**(V) Additional Credit Courses Introduced:**

S.No.	Course Code with Name
1.	22MC1093/ 22MC1094 - தமிழர்மரபு /Heritage Of Tamil
2.	22MC1095 - Universal Human Values (Common To All Branches)
3.	21HE5071 - Soft Skills - I
4.	21HE5072 - Design Thinking
5.	22HE3071 - Soft Skills -2 (Common)

(VI) The following recommendations given by stakeholders are considered and incorporated.

- **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.
- **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.
- **Dr Thulasimani K , Anna University Nominee** suggested to have minimum of five Course Objectives and Course Outcomes for all the Subjects
- In “Data Mining with Weka”, **the Industry expert H.Rajesh Kumar** Insisted to change the title to “Data Warehousing and Mining” and suggested to add advanced machine learning tools in the lab experiments.
- **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.
- Employability courses introduced for member’s approval.
  - 22HE1072 - Entrepreneurship & Innovation
  - 22HE1073 - Introduction to Soft Skills
  - 22HE3071 - Soft Skills -2 (Common)

**(VII). General Recommendations:**

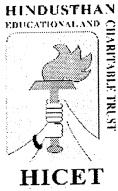
<b>S. No</b>	<b>Suggestion Given by the BoS Experts</b>	<b>Action Taken</b>
1.	Dr Thulasimani K , Anna University Nominee suggested to have minimum of five Course Objectives and Course Outcomes for all the Subjects	Will be incorporated
2	Dr Sudha Sadasivam G Subject Expert asked to remove the terms like "Basic, Fundamentals, Introduction, etc.," from the subject title.	Will be incorporated
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.	Will be incorporated
4	Dr Prakash, Subject Expert Suggested to include lab component courses for Specialization course ( Professional Electives, Open Electives and Minor Degree Courses).	Will be incorporated

  
**Chairman**  
**(Board of Studies)**

**Chairman - BoS**  
**CSE - HiCET**

  
**Dean Academics**

**Dean (Academics)**  
**HiCET**



# 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

## ACTION TAKEN REPORT ON BoS

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](https://meet.google.com/vkk-mdwf-yjs)).

### (I) Syllabus Revision for the Regulations 2019 & 2022

S.No	Courses in which revision has been done	Action taken	Percentage Syllabus Revised
1	21CS6601 - Databases and SQL	Introduced	100%
2	21CS6602 - Principles of Internet Of Things	Introduced	100%
3	21CS6203 - IOT Design	Introduced	100%
4	21CS6204 - Privacy and Security in IoT	Introduced	100%
5	21CS6205 - Introduction to block chain	Introduced	100%
6	21CS6206 - Cryptocurrency	Introduced	100%
7	21CS6207 - Front End Development with REACT JS and TYPESCRIPT	Introduced	100%
8	21CS6208 - Back End Development with NodeJS	Introduced	100%
9	22CS4201 - Database Management Systems	Introduced	100%
10	22CS4251 - Design And Analysis Of Algorithms	Introduced	100%
11	22CS4203 - Software Design with UML	Introduced	100%

**Overall Percentage of revision made in the BoS: 33%**

### (II) New Course Introduced:

S. No	Regulation	Course Code with Name	Credits
1	2019	21CS6601 - Databases and SQL	3
2	2019	21CS6602 - Principles of Internet Of Things	3
3	2019	21CS6203 - IOT Design	3
4	2019	21CS6204 - Privacy and Security in IoT	3
5	2019	21CS6205 - Introduction to block chain	3
6	2019	21CS6206 - Cryptocurrency	3
7	2019	21CS6207 - Front End Development with REACT JS	3

		and TYPESCRIPT	
8	2019	21CS6208 - Back End Development with NodeJS	3
9	2022	22CS4201 - Database Management Systems	3
10	2022	22CS4251 - Design And Analysis Of Algorithms	4
11	2022	22CS4203 - Software Design with UML	3
12	2022	22MC2094 - தமிழரும் தொழில்நுட்பமும்	1
13	2022	22MC2095 - Tamils And Technology	1

### (III) Mandatory Courses

S.No.	Course Code with Name
1.	22MC2094 - தமிழரும் தொழில்நுட்பமும்
2.	22MC2095 - Tamils And Technology
3.	22MC2093 - NCC */NSS / YRC / Sports / Clubs / Society Service - Enrollment (Common)
4.	21CS6701 - Internship/Industrial Training
5.	21HE6071 - Soft Skill-II
6.	21HE6072 - Intellectual Property Rights(IPR)

### (IV) Non-credit Mandatory Courses

S.No.	Course Code with Name
1.	22MC2093 - NCC */NSS / YRC / Sports / Clubs / Society Service - Enrollment (Common)

### (V) Additional Credit Courses Introduced:

S.No.	Course Code with Name
1.	21CS6701 - Internship/Industrial Training
2.	21HE6071 - Soft Skill-II
3.	21HE6072 - Intellectual Property Rights(IPR)

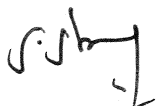
### (VI) The following recommendations given by stakeholders are considered and incorporated.

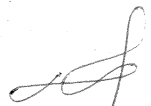
1. The subject expert Dr Prakash P Suggested to change the title from software Analysis & Design to “Software Design with UML” because the syllabus covers more on Unified Modeling Language concepts instead of Design concepts
2. The Industry expert Dinesh Raja Suggested to include typescript ,Spring boot 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.

**(VII). General Recommendations:**

S. No	Suggestion Given by the BoS Experts	Action Taken
1	Industry Expert Dinesh Raja, recommended to create awareness in the field of cyber security to the students and conduct hands-on workshop, seminars in this field.	Incorporated
2	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.	Incorporated
3	Dr.Prakash, Subject Expert Suggested to include lab component courses for Specialization course ( Professional Electives, Open Electives and Minor Degree Courses).	Incorporated

  
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