



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: 16.06.2023

ACTION TAKEN REPORT ON BoS

Name of the Department: INFORMATION TECHNOLOGY

The meeting of Twelfth board of studies of Regulation 2019 and Regulation 2022 for the Department of Information Technology B.Tech Programme was conducted on 14.06.2023 at 12.00 pm, in Hybrid Mode, Hindusthan College of Engineering and Technology.

(I) Syllabus Revision for the Regulations 2019 & 2022

S. No.	Course Code	Course Name (Theory/ Practical)	Percentage of Changes
1	19IT7202	Data Science and Analytics	40%
2	19IT7001R	Distributed and Cloud Computing Laboratory	20%
3	21IT5202	Computer Networks	40%
4	21IT5203	Embedded Systems Design	60%
5	21IT5206	Fundamentals of Machine Learning (Honours)	100%
6	21IT5207	Ethical Hacking (Honours)	100%
7	21IT5208	Fundamentals of Blockchain Technology (Honours)	100%
8	21IT5231	Database System (Minor)	100%
9	22IT3202	Operating System	100%
10	22IT3201	Data Structures	100%
11	22IT3203	Digital Principles and Computer Organization	100%
12	22IT3001	Operating System Laboratory	100%
13	22IT3002	Digital Principles and Computer Organization Laboratory	100%
14	22IT3003	Data Structures Laboratory	100%
15	22IT3251	Java Programming	100%

Overall Percentage of revision made in the BoS: 42 %

(II) New Course Introduced:

S. No	Regulation	Course Code with Name	Credits
1	2019	21IT5203 - Embedded Systems Design	3
2	2019	21IT5206 - Fundamentals of Machine Learning (Honours)	3
3	2019	21IT5207 - Ethical Hacking (Honours)	3
4	2019	21IT5208 - Fundamentals of Blockchain Technology (Honours)	3
5	2019	21IT5231 - Database System (Minor)	3
6	2022	22IT3201 - Data structures	3
7	2022	22IT3202 - Operating System	4
8	2022	22IT3203 - Digital Principles and Computer Organization	3
9	2022	22IT3001 - Operating System Laboratory	2
10	2022	22IT3002 - Digital Principles and Computer Organization Laboratory	2
11	2022	22IT3003 - Data Structures Laboratory	2
12	2022	22IT3251 - Java Programming	4

(III) Mandatory Courses

S.No.	Course Code with Name
1.	22MC1093/ 22MC1094 - தமிழர்மரபு /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:

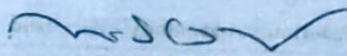
S.No.	Course Code with Name
1.	22MC1093/ 22MC1094 - தமிழர்மரபு /Heritage Of Tamil
2.	22MC1095 - Universal Human Values (Common To All Branches)
3.	21HE5071 - Soft Skills - I
4.	21HE5072 - Design Thinking
5.	22HE3071 - Soft Skills -2 (Common)

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

- In “22IT3201 – Data Structures”, the Board of Studies subject expert Thulasimani suggested to rename the title of each unit and advised not to mention the words such as non-linear data structure, linear data structure specifically as already student would have learnt the various linear and non-linear data structures in Unit 1 itself.
- In “22IT3202 – Operating System”, the Board of Studies subject expert Dr.K.Thulasimani suggested to change the credits from 3 to 4 in syllabus as syllabus needs 4 credits so that it would be sufficient enough for the students to learn properly.
- In “22IT3203 – Digital Principles and Computer Organization”, the Board of Studies subject expert suggested not to mention "2 Variable, 3 Variable and 4 Variable" along with the title Karnaugh Map in the unit 1 as Karnaugh map includes variables.
- In “22IT3002 – Digital Principles and Computer Organization Laboratory”, the Board of Studies subject expert recommended to reframe the course objective and course outcome as it is mismatche with the course outcomes and objectives.
- In “22IT3251 – Java Programming” is a theory with lab component and so the total hours should be 60 hours; The BOS member insisted to recheck the hour allocated for theory and lab and suggested to change the total hours to 60 hours.
- In “22IT3003 – Data Structures Laboratory”, the Board of Studies subject expert Thulasimani suggested to either provide scenarios for all experiments or else suggested to remove scenarios and graphs, which is mentioned in the syllabus for few experiments alone and also asked to reframe syllabus accordingly.
- 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.
- 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.
- Employability courses introduced for member’s approval.
 - 22HE1072 - Entrepreneurship & Innovation
 - 22HE1073 - Introduction to Soft Skills
 - 22HE3071 - Soft Skills -2 (Common)

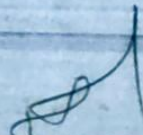
(VII). General Recommendations:

S. No	Suggestion Given by the BoS Experts	Action Taken
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.	Considered



**Chairman
(Board of Studies)**

**Chairman - BoS
IT - HICET**



Dean Academics



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Date: 13. 12. 2023

ACTION TAKEN REPORT ON BoS

Name of the Department: INFORMATION TECHNOLOGY

The meeting of Thirteenth board of studies of Regulation 2019 & Regulation 2022 for the Department of Information Technology B.Tech Programme was conducted on 09.12.2023 at 11.00 am, in Hybrid Mode, Hindusthan College of Engineering and Technology.

(I) Syllabus Revision for the Regulations 2019

S.No	Courses in which revision has been done	Action taken	Percentage Syllabus Revised
1	21IT6181 - Software Project Management	Modified	20%
2	21IT6201 - Internet of Things	Modified	20%
3	21IT6303 - Software Design	Modified	60%
4	21IT6302 - Information Security	Modified	20%
5	21IT6251 - Cryptography and Network Security	Modified	40%
6	21IT6306 - Predictive Modeling (IBM)	Modified	50%
7	22IT4204 - Design Thinking for Information Technologist (IBM)	Modified	40%
8	22IT4003 - Design Thinking Laboratory (IBM)	Modified	40%

Overall Percentage of revision made in the BoS: 40%

(II) New Course Introduced:

S. No	Regulation	Course Code with Name	Credits
1	2019	21IT6252 - Data Sciences (IBM course)	3
2	2019	21IT6203 - Knowledge Engineering	3
3	2019	21IT6204 - Deep Learning	3
4	2019	21IT6601 - Fundamentals of Data Science	3
5	2019	21IT6602 - Artificial Intelligence and Expert Systems	3
6	2022	22IT4203 - Object Oriented Software Engineering	3
7	2022	22IT4251 - Web Framework	4
8	2022	22IT4001 - Case Tools Laboratory	1.5
9	2022	22IT4002 - Network Laboratory	1.5
10	2022	22MC2094 - தமிழரும் தொழில்நுட்பமும்	1

11	2022	22MC2095 - Tamils And Technology	1
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(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.	21IT6701 - 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.	21IT6701 - 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.

- Dr. D. Veera Vanitha, Subject Expert suggested to update all the textbooks and reference books with latest edition and said to verify whether the syllabus is covered in the respective books.
- 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.
- 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.

- 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.
- 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.
- 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

(VII). General Recommendations:

S. No	Suggestion Given by the BoS Experts	Action Taken
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.	Considered
2.	Dr. D. Veera Vanitha, Subject Expert suggested to update all the textbooks and reference books with latest edition and said to verify whether the syllabus is covered in the respective books.	Considered

M. Soban
Chairman
 (Board of Studies)
Chairman - BoS
IT - HiCET

[Signature]
Dean Academics