

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: 14.06.2023

ACTION TAKEN REPORT ON BoS

Name of the Department: **ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

The 7th Board of Studies meeting of regulation R2019 & R2022 for the academic year 2023 -2024 Odd Semester was conducted on 14.06.2023 at 11.00 a.m. in Hybrid mode, Hindusthan College of Engineering and Technology.

(Google Meet: 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	19AI7202 - AI Analyst	Introduced	100%
2	19AI7203 - Ethics And Policy Issues In AI Computing	Introduced	100%
3	19AI7251- Deep Learning Techniques	Introduced	100%
4	19AI7301- Computer Vision	Introduced	100%
5	19AI7302 - Intelligent Multi Agent And Expert Systems	Introduced	100%
6	19AI7303 - Cognitive Systems	Introduced	100%
7	19AI7304 - Quantum Computing	Introduced	100%
8	19AI7305 - Web And Social Media Mining	Introduced	100%
9	21AI5601- Data structures using C Programming (Minor)	Introduced	100%
10	21AI5203- Foundations Of Robotics (Honours)	Introduced	100%
11	21AI5204 - Public Key Infrastructure And Trust Management (Honours)	Introduced	100%
12	21AI5205 - Principles Of Cyber Physical Systems (Honours)	Introduced	100%
13	22CS3201- Data Structures	Introduced	100%
14	22AI3203 - Microprocessor And Embedded Systems	Introduced	100%
15	22AI3001 - Microprocessor And Embedded System Laboratory	Introduced	100%

Overall Percentage of revision made in the BoS: 39 %

(II) New Course Introduced:

S. No	Regulation	Course Code with Name	Credits
1	2019	19AI7202 - AI Analyst	3
2	2019	19AI7203 - Ethics And Policy Issues In AI Computing	2
3	2019	19AI7251- Deep Learning Techniques	3
4	2019	19AI7301- Computer Vision	3
5	2019	19AI7302 - Intelligent Multi Agent And Expert Systems	3
6	2019	19AI7303 - Cognitive Systems	3
7	2019	19AI7304 - Quantum Computing	3
8	2019	19AI7305 - Web And Social Media Mining	3
9	2019	21AI5601- Data structures using C Programming (Minor)	3
10	2019	21AI5203- Foundations Of Robotics (Honours)	3
11	2019	21AI5204 - Public Key Infrastructure And Trust Management (Honours)	3
12	2019	21AI5205 - Principles Of Cyber Physical Systems (Honours)	3
13	2022	22CS3201- Data Structures	3
14	2022	22AI3203 - Microprocessor And Embedded Systems	3
15	2022	22AI3001 - Microprocessor And Embedded System 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 - தமிழர் மரபு /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.

1. Dr Thulasimani K , University Nominee 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.
 2. 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.
 3. The subject expert Dr Sivaganesan Suggested to include the subject “Robotics Process Automation “ in Robotics Domain
 4. In “Foundations of AI laboratory”, the subject expert Dr.Marikkannan, Suggested to include scenario based questions and Mini Project
 5. In “Microprocessor and Embedded Systems” subject, The subject expert Dr Sivaganesan suggested to include the basics of 8085, 8051 microcontroller topics.
 6. The Industry expert H. Rajesh Kumar in the Data structures using C Programming 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.
- 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.	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	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
AIML - 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: **AIML**

The 8th 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).

(I) Syllabus Revision for the Regulations 2019 & 2022

S.No	Courses in which revision has been done	Action taken	Percentage Syllabus Revised
1	21AI6601 - Introduction to Databases	Introduced	100%
2	21AI6602 - Foundation of Artificial Intelligence & Machine Learning	Introduced	100%
3	21AI6204 - Sensors and Actuators	Introduced	100%
4	21AI6205 - Robots, bots and communication	Introduced	100%
5	21AI6206 - Introduction to block chain	Introduced	100%
6	21AI6207 - Cryptocurrency	Introduced	100%
7	21AI6208 - Communication for CPS	Introduced	100%
8	21AI6209 - Security in Cyber Physical Systems	Introduced	100%
9	22AI4201 - Database Management Systems	Introduced	100%
10	22CS2256 – Problem Solving using C Programming	Introduced	100%
11	22AI4203 - 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	21AI6601 - Introduction to Databases	3
2	2019	21AI6602 - Foundation of Artificial Intelligence & Machine Learning	3
3	2019	21AI6204 - Sensors and Actuators	3
4	2019	21AI6205 - Robots, bots and communication	3
5	2019	21AI6206 - Introduction to block chain	3
6	2019	21AI6207 - Cryptocurrency	3
7	2019	21AI6208 - Communication for CPS	3

8	2019	21AI6209 - Security in Cyber Physical Systems	3
9	2022	22AI4201 - Database Management Systems	3
10	2022	22CS2256 – Problem Solving using C Programming	4
11	2022	22AI4203 - 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)

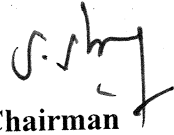
(VI) The following recommendations given by stakeholders are considered and incorporated.

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 “In Robotics Domain – Sensors and Actuators course” ,Suggested to swap UNIT – 4 and UNIT- 5 and asked to include case study in unit -5
3. Dr Thulasimani K , Anna University Nominee Suggested to include scenario based questions in lab component
4. The subject expert Dr. Sivagansan, Suggested to include Advanced Technology Courses Block Chain Technology Domain

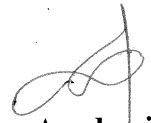
5. The subject expert Dr Surendiran B Suggested to introduce courses like Recommender systems, Power BI, cyber security in the curriculum so as they would be updated in latest industrial courses.

(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


Chairman
(Board of Studies)

Chairman - BoS
AIML - HICET


Dean Academics
Dean (Academics)
HICET