

## Department of Science and Humanities

Date: 29.07.2021

### Action Taken Report on BoS

The meeting of the Seventh Board of Studies of Regulation 2019 for the Department of Science and Humanities was conducted on 13.07.2021 through Online via Google meet.

### Syllabus related Recommendations:

S. No	Courses in which revision has been done	Action taken	
1.	19CY2151- Chemistry For Engineers-	Incorporated	3%

Overall percentage Revised: 2.5%

### Newly Introduced Course:

S.No	Regulation	Course Code with Name	Credit
1	2019	19MA3152 Probability And Statistics	4
2	2019	19MA4105 Discrete Mathematical Structures	3
3	2019	19HE1074- NCC General and National Integration Credit	1
4	2019	19HE2074 Social Services and Community Development	1
5	2020	20MA1105 Advanced Mathematics for Electrical Engineering	4

### General Recommendations:

S.No.	Suggestion given in the BoS experts	Action taken
1	All the new introduced syllabi are appreciable	--



*Uma*

Chairman  
Board of Studies  
**Dr. K. P. UMA**  
Prof & Head

Department of Science and Humanities  
Hindusthan College of Engineering and Technology,  
Coimbatore.

# Hindusthan College of Engineering and Technology

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

## Department of Science and Humanities

Date: 17.02.2021

### Action Taken Report on BoS

The meeting of the Sixth Board of Studies of Regulation 2019 for the Department of Science and Humanities was conducted on 05.02.2021 through Online via Google meet. The following actions were taken based on those minutes.

### Syllabus related Recommendations:

S. No	Courses in which revision has been done	Action taken	Percentage of syllabus revision made
1	19HE2101- Business English	Incorporated	---
2	19MA1101-Calculus (CSE & IT)-	Incorporated	4%
3	19MA4103- Probability And Statistics(CIVIL)	Incorporated	4%
4	19MA4104-Probability and Random Processes (ECE )	Incorporated	4%
5	19MA4151-Probability, Statistics And Queueing Theory (CSE & AI) –	Incorporated	4%
6	19MA4153applied Probability, Statistics (CHEMICAL)	Incorporated	4%

Overall Percentage revised : 14.7%

### General Recommendations:

S.No.	Suggestion given in the BoS experts	Action taken
1	Additional Credit courses will be very helpful for the students and they may be implemented from the current academic year itself.	Incorporated



*Am*  
Chairman  
Dr. K. P. Usha  
Board of Studies  
Prof & Head  
Department of Science and Humanities  
Hindusthan College of Engineering and Technology,  
Coimbatore.

## Department of Science and Humanities

Date: 14.02.2022

### Action Taken Report on BoS

The meeting of the Eighth Board of Studies of Regulation 2019 for the Department of Science and Humanities was conducted on 24.01.2022 through Online via Google meet.

#### Syllabus related Recommendations:

S. No	Courses in which revision has been done	Action taken	Percentage of syllabus revision made
1.	21HE2101 Business English for Engineers- Writing short formal memos' may be added in the course.	Incorporated	4%

Overall percentage revised : 2.56%

Newly Introduced courses – Nil.

#### General Recommendations:

S.No.	Suggestion given in the BoS experts	Action taken
	<ul style="list-style-type: none"> <li>Uniformity must be maintained in the format of Text and Reference books.</li> <li>Transition in the syllabus from school level to College level must be taken care in order to raise the level of understanding.</li> <li>Number of allotted hours of teaching Grammar topics may be extended.</li> <li>One credit paper may be focused only on listening and speaking skills in order to satisfy corporate expectations</li> </ul>	Suggestion Approved and will be Incorporated in the forthcoming Academic year 2022-23



*Uma*

Chairman  
Board of Studies

**Dr. K. P. UMA**  
Prof & Head

Department of Science and Humanities  
Hindusthan College of Engineering and Technology

## Department of Aeronautical Engineering

Date: 17.02.2021

### Action Taken Report on BoS

The meeting of Sixth Board of Studies of Regulation 2019 for the Department of Aeronautical Engineering Undergraduate programme was conducted on 21.01.2021 (Wednesday) at 10.30 a.m. in ONLINE mode through Google Meet. (Meeting Link: <http://meet.google.com/avg-xazo-ybb>).

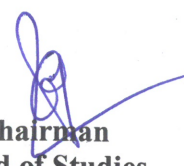
### General Recommendations:

S. No.	Suggestion given in the BoS experts	Action taken
1	Consideration of MOOC courses like NPTEL/Coursera / Edx etc as Additional credit courses so that students can get wide exposure on knowledge sharing.	Considered
2	Assessment tools such as seminars, Group discussion, project work can be considered for assessment methods.	Considered
3	One credit course for emerging skills such as Artificial intelligence, Machine Learning, Data Analytics as per FICCI and World Economic forum report may be offered. It can also be taken up from MOOCs.	Considered
4	Summer internships from various reputed aircraft maintenance industries can be offered to students every year.	Considered
5	Non-credit mandatory courses focusing on GATE and other competitive examinations can be offered in each semester.	Considered
6	certification courses from various aircraft maintenance organizations and Agencies can be offered as mandatory courses or one credit courses.	Considered

The following recommendations given by stakeholders are considered and incorporated.

- ICT enabled quiz to be conducted for ensuring the effective teaching and learning.
- Additional credits to be provided for enhancing the student skills



  
Chairman  
Board of Studies  
**Chairman - BoS**  
**AERO - HICET**

## Department of Aeronautical Engineering

Date: 28.07.2021

### Action Taken Report on BoS

The meeting of Seventh Board of Studies of Regulation 2019 for the Department of Aeronautical Engineering Undergraduate programme was conducted on 12.07.2021 at 02.30 pm in the Online Mode (Google Meet). (Meet Link: <https://meet.google.com/iqe-hcpw-hcr>)

#### (i) Syllabus Revision:

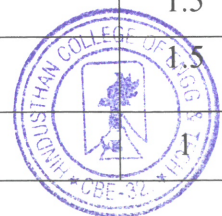
S. No.	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19AE5201-Advanced Propulsion	Modified	25%
2.	19AE5202-Aircraft Structures - II	Modified	20%
3.	19AE5203-Flight Dynamics	Incorporated	25%
4.	19AE5204-High Speed Aerodynamics	Modified	20%
5.	19AE5301-Aircraft Materials and Process	Included	20%
6.	19AE5302-Wind tunnel techniques	Modified	25%
7.	19AE5251-Aircraft Systems and General Maintenance Practices	Incorporated	25%
8.	19AE5001 UAV design and Aeromodelling Laboratory	Modified	23%
9.	19AE6203-Heat Transfer	Modified	20%
10.	19AE6305-Airframe Maintenance and Repair	Incorporated	25%
11.	19AE6001-Structural Simulation Laboratory	Modified	25%
12.	19AE6002-Aero Engine and Airframe Laboratory	Modified	25%

Overall Percentage of syllabus revision made in the BoS: 13.04 %



**(ii) New courses Introduced:**

S.No.	Regulation	Course code with name	Credits
1	2019	19AE5201-Advanced Propulsion	3
2	2019	19AE5202-Aircraft Structures - II	3
3	2019	19AE5203-Flight Dynamics	4
4	2019	19AE5204-High Speed Aerodynamics	3
5	2019	19AE5301-Aircraft Materials and Process	3
6	2019	19AE5302-Wind tunnel techniques	3
7	2019	19AE5303 -UAV and MAV design	3
8	2019	19AE5304-Non-Destructive Evaluation	3
9	2019	19EI5331-Control Engineering	3
10	2019	19AE5251-Aircraft Systems and General Maintenance Practices	3
11	2019	19AE5001-UAV design and Aeromodelling Laboratory	1.5
12	2019	19AE5002-Aircraft Structures Laboratory -II	1.5
13	2019	19AE6181-Total Quality Management	3
14	2019	19AE6201-Finite Element Methods in Engineering	3
15	2019	19AE6202-Composite Materials and Structures	3
16	2019	19AE6203-Heat Transfer	3
17	2019	19AE6701-Internship / Industrial Training	1
18	2019	19AE6301-Theory of Elasticity	3
19	2019	19AE6302-Introduction to cryogenics	3
20	2019	19AE6303-Boundary Layer Theory	3
21	2019	19AE6304-AI & IoT for aviation	3
22	2019	19AE6305-Airframe Maintenance and Repair	3
23	2019	19AE6401- Introduction to Flight	3
24	2019	19AE6001-Structural Simulation Laboratory	1.5
25	2019	19AE6002-Aero Engine and Airframe Laboratory	1.5
26	2019	19HE5071-Soft Skills-I	1



27	2019	19AE5072 -Design Thinking	1
28	2019	19HE6071-Soft Skills-II	1
29	2019	19HE6072-Intellectual Property Rights (IPR)	1
30	2019	19HE3073-Leadership Management Skills	0
31	2019	21HE2074-Social services and community development	1
32	2019	21HE3074-Leadership Qualities and camp activities	1
33	2019	21HE4074-General awareness, communication and Aero engines	1
34	2019	19HE1074-NCC General and National Integration	1

The following recommendations given by stakeholders are considered and incorporated.

- Students are attending greater number of online certificate courses offered by NPTEL, Coursera etc.,
- Special coaching classes are conducted for the slow learners regularly



  
Chairman

Board of Studies  
Chairman - BoS  
AERO - HiCET

## DEPARTMENT OF AUTOMOBILE ENGINEERING

### Action Taken Report on BoS

Action taken report for the Board of Studies meeting conducted for the Academic Year: 2021 - 2022 on 30.01.2021 in the online mode using Google Meet (<https://meet.google.com/fcb-zxfn-rbc>) from 11.00 am to 12.30 pm.

#### New courses Introduced:

S.No.	Regulation	Course code with name	Credits
1.	2019	19AU5001 Engine Performance and Emission Testing Lab	1.5
2.	2019	19AU5002 Automotive Fuels and Lubricants Lab	1.5
3.	2019	19AU5201 Automotive Emission and Pollution Control	3
4.	2019	19AU5202 Vehicle Design and Data Characteristics	4
5.	2019	19AU5203 Automotive Fuels and Lubricants	3
6.	2019	19AU5251 Automotive Transmission	3
7.	2019	19AU5252 Automotive Chassis Components Design	3
8.	2019	19AU5301 Alternative Fuels and Energy Systems	3
9.	2019	19AU5302 Tyre Technology	3
10.	2019	19AU5303 Automotive Materials and Manufacturing Technology	3
11.	2019	19AU5304R Battery Technology	3
12.	2019	19AU5305R Plastic Parts Manufacturing Technology	3
13.	2019	19AU5306R Composite Materials	3
14.	2019	19AU6001 Finite Element Analysis Lab	1.5
15.	2019	19AU6201 Total Quality Management	3
16.	2019	19AU6202 Vehicle Dynamics and Control Systems	3
17.	2019	19AU6203 Finite Element Analysis	4
18.	2019	19AU6251 Automotive Vehicle Body and Aerodynamics	3
19.	2019	19AU6301 Automotive Airconditioning	3
20.	2019	19AU6302 Fuel Cell Technology	3

21	2019	19AU6303 Ergonomics in Automotive Design	3
22	2019	19AU6304R Additive Manufacturing	3
23	2019	19AU6305 Robotics	3
24	2016	9AU6701 Internship Training / Implant Training	1
25	2016	19AU6401 Basics of Automobile Engineering	3

**General Recommendations:**

Subject Name	Suggestions given in the BOS experts	Action Taken
Performance and Emission testing laboratory	Suggested to move to V semester	Suggestions Approved
Automotive Electricals and Electronics	Suggested verify the contents with 'Alternative Fuels and Energy systems' and 'Hybrid and Elective vehicles'	
Railway Engineering	Suggested to replace with 'Supply Chain Management'	
Noise, Vibration and Harshness	Suggested to replace with 'Plastic parts manufacturing technology'	
Combustion Engineering	Suggested to replace with 'Additive Manufacturing'	
Automotive Infotainment	Digital Vehicle Monitoring	
Automotive testing and Diagnosis	Automotive Cybersecurity	



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Chairman 18/12/21

Board of Studies  
**Chairman - BOS**  
**AUTO - HICET**

## DEPARTMENT OF AUTOMOBILE ENGINEERING

### Action Taken Report on BoS

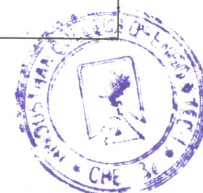
Action taken report for the Board of Studies meeting conducted for the Academic Year: 2021 - 2022 on 15.07.2021 in the Online mode in Google Meet (<https://meet.google.com/dph-owao-pjn>) from 03.00 pm to 04.00 pm.

#### (i) New courses Introduced:

S.No.	Regulation	Course code with name	Credits
1.	2019	19HE1074 NCC General and National Integration	3
2.	2019	21HE2074 Social services and community development	3
3.	2019	19HE3073 Leadership Management Skills	0
4.	2019	19AU5305R Plastic Parts Manufacturing Technology	3
5.	2019	19HE5071 Soft Skills-I	1
6.	2019	19AE5072 Design Thinking	1

#### General Recommendations:

Subject Name	Suggestions given by the BOS experts	Action Taken
Foundry Technology	Suggested to add a suitable topic/course in this area	New one credit course added
Forming and Shaping of Plastics	Suggested to add a suitable topic/course in this area	
Microcontroller Programming in Automotive applications	Suggested to add a suitable topic/course in this area	
Vehicle development and testing regulations (ARAI)	Suggested to add a suitable topic/course in this area	
Bigdata Analysis	Suggested to add a suitable topic/course in this area	



Data mining	Suggested to add a suitable topic/course in this area	
Fire and safety Engineering	Suggested to add a suitable topic/course in this area	
Introduction to MS office	Suggested to add a suitable topic/course in this area	

  
Chairman 28/9/21  
Board of Studies  
**Chairman - BOS**  
**AUTO - HICET**





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Othakalmandapam Post, Coimbatore – 641 032

Date: 30.03.2021

## ACTION TAKEN REPORT ON BoS

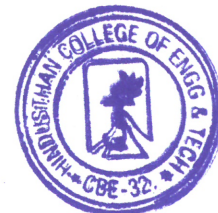
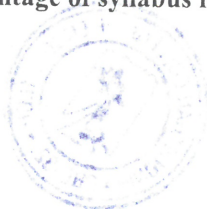
Name of the Department: **CIVIL ENGINEERING**

The Sixth Board of Studies meeting of Regulation 2019 for the academic year 2021 - 2022 was conducted on 12.02.2021 at 02.30 p.m. at ONLINE mode through Google Meet. (Meeting Link: <https://meet.google.com/lookup/c43wzlmjsw>). This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

### (i) Syllabus Revision:

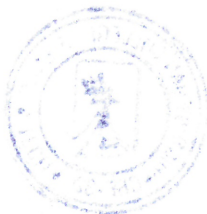
S. No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19CE5201 Structural Analysis - I	Incorporated	35%
2.	19CE5202 Design of RC Elements	Incorporated	15 %
3.	19CE5204 Foundation Engineering	Modified	10%
4.	19CE5205 Highway and Railway Engineering	Incorporated	8%
5.	19CE5001 Concrete and Highway Engineering Lab	Incorporated	13%
6.	19CE5002 Survey Camp*	Incorporated	75%
7.	19CE6204 Construction Management	Incorporated	25%
8.	19CE6201 Structural Analysis - II	Modified	10%
9.	19CE6202 Design of Steel Structural Elements	Modified	10%
10.	19CE6203 Wastewater Engineering	Incorporated	6%
11.	19CE6002 Design and Drawing of RC Structures	Modified	80 %

Overall Percentage of syllabus revision made in the BoS: 5.10 %



**(ii) New courses Introduced:**

S.No.	Regulation	Course code with name		Credits
1.	2019	19CE5201	Structural Analysis - I	3
2.	2019	19CE5202	Design of RC Elements	4
3.	2019	19CE5203	Water Supply Engineering	3
4.	2019	19CE5204	Foundation Engineering	3
5.	2019	19CE5205	Highway and Railway Engineering	3
6.	2019	19CE5001	Concrete and Highway Engineering Lab	2
7.	2019	19CE5002	Survey Camp	1
8.	2019	19HE5071	Soft Skills - I	1
9.	2019	19HE5072	Design Thinking	1
10.	2019	19CE6201	Structural Analysis - II	3
11.	2019	19CE6202	Design of Steel Structural Elements	3
12.	2019	19CE6203	Wastewater Engineering	3
13.	2019	19CE6204	Construction Management	3
14.	2019	19CE6001	Water and Wastewater Testing Lab	1.5
15.	2019	19CE6002	Design and Drawing of RC Structures	1.5
16.	2019	19CE6701	Internship / Industrial Training	1
17.	2019	19HE6071	Soft Skills – II	1
18.	2019	19HE6072	Intellectual Property Rights	1
19.	2019	19CE5301	Advanced Surveying Techniques	3
20.	2019	19CE5302	Traffic Engineering	3
21.	2019	19CE5303	Housing Planning and Management	3
22.	2019	19CE5304	Construction Techniques, Equipment and Safety	3
23.	2019	19CE5305	Hydrology	3
24.	2019	19CE5306	Professional Ethics and Laws for Civil Engineers	3
25.	2019	19CE6301	Building Services	3
26.	2019	19CE6302	Airports, Docks and Harbour Engineering	3
27.	2019	19CE6303	Subsurface Investigation and Field Testing	3
28.	2019	19CE6304	Groundwater Engineering	3
29.	2019	19CE6305	Architecture and Town Planning	3
30.	2019	19CE6306	Disaster Preparedness and Planning	3
31	2019	19CE6401	Remote Sensing and GIS	3




The following recommendations given by stakeholders are considered and incorporated.

- Personal counseling to be given to the students through mentors who are in depressed state due to various reasons through Class Advisor, HOD, Tutor.
- Students are patenting their ideas and findings

**(iii) General Recommendations:**

S.No.	Suggestion given by Bos Experts	Action taken
1	Course objectives may be increased to 5	Included
2	Update the references with the latest edition	Included

  
Chairman  
Board of Studies

**Chairman - BoS  
CIVIL - HICET**

**Enclose:**

1. Previous BoS Minutes-ATR
2. Copy of Regulation 2016
3. Copy of Regulation 2019
4. 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

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

Date: 21.07.2021

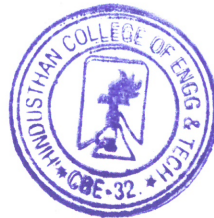
## ACTION TAKEN REPORT

Name of the Department: CIVIL ENGINEERING

The Board of studies meeting of the Department of Civil Engineering was conducted on 14.07.2021 at 02.30 pm in the ONLINE mode through Google Meet. (Meeting Link: [https://meet.google.com/lookup/d54a\\_sfwqr](https://meet.google.com/lookup/d54a_sfwqr)) The Board of studies members reviewed the Curriculum and Syllabi of VII & VIII semester subjects of R2016 and V & VI semester subjects of R2019 of Civil Engineering for the academic year 2021 - 2022. This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

### General Recommendations:

S.No	Suggestion given in the BoS experts	Action taken
1.	Update the references with the latest edition	Suggestion incorporated
2.	Course Objective and outcome should be a single verb of Blooms taxonomy and not a compound sentence with two or more verbs.	Considered
3.	Use different Taxonomical verbs for course outcomes.	Suggestion incorporated



*[Signature]*  
Chairman  
Board of Studies

**Chairman - BoS  
CIVIL - HICET**



**Hindusthan College of Engineering and Technology**  
(An Autonomous Institution, Approved by AICTE, New Delhi,  
Accredited with 'A' Grade by NAAC & NBA, Affiliated to Anna University)  
Valley Campus, Pollachi Highway, Coimbatore – 641032



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Date: 10.07.2021

**Action taken report – BoS**

Action Taken report for the 8<sup>th</sup> Board of Studies meeting (BE CSE) conducted for the Academic Year: 2021 – 2022 on 10<sup>th</sup> July 2021 at 10:00am in the Online Mode through Google Meet.

(Meeting Link: <https://meet.google.com/gxa-mchc-afg>)

**(i) Syllabus Revision:**

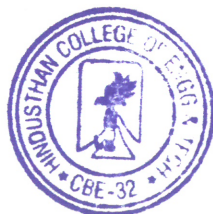
S. No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1	21CS1151 - Python Programming and Practices	Modified	50%
2	21CS2152 - Essentials of C and C++ Programming	Incorporated	50%
3	19CS3001R -Data Structures Laboratory	Modified	100%
4	19CS3002R -Database Management Systems Laboratory	Modified	100%
5	19CS4001R -Java Programming Laboratory	Incorporated	100%
6	19CS4251R -Design and Analysis of Algorithms	Modified	25%
7	19CS4002R -Operating Systems Laboratory	Modified	100%

**Overall Percentage of syllabus revision made in the BoS: 7.14 %**

**(ii) New Courses Introduced:**

**For 19-23 batch students**

S. No.	Semester	Course Code	Course Title	Credit
1	V	19HE5071	Soft Skill-I	1
2	V	19HE5072	Design Thinking	1
3	VI	19HE6071	Soft Skill-II	1
4	VI	19HE6072	Intellectual Property Rights (IPR)	1



**For 20-24 batch students**

S. No.	Semester	Course Code	Course Title	Credit
1	I	19HE1072	Career Guidance – Level I Personality, Aptitude and Career Development	Non Credit
2	I	19HE1073	Entrepreneurship & Innovation	Non Credit
3	II	19HE2072	Career Guidance – Level II Personality, Aptitude and Career Development	Non Credit
4	III	19HE3072	Career Guidance – Level III Personality, Aptitude and Career Development	Non Credit
5	III	19HE3073	Leadership Management Skills	Non Credit
6	IV	19HE4072	Career Guidance – Level IV Personality, Aptitude and Career Development	Non Credit
7	IV	19HE4073	Ideation Skills	Non Credit
8	III	19CS3253	Clean Coding and Devops	4
9	IV	19CS4204	Data Visualization	3
10	IV	19CS4003	Data Visualization Laboratory	1.5

The following recommendations given by stakeholders are considered and incorporated.

- Students are patenting their ideas and findings
- Entrepreneurial skills courses to be inculcated and motivated to do startup

**General Recommendations:**

BOS Members Suggestions			
Subject Name	Suggestions	Explanation / Action Taken	Remarks
21CS1151 - Python Programming and Practices, 21CS2152 - Essentials of C and C++ Programming, 19CS3002R - Data Structures Laboratory, 19CS3001R - Database Management Systems Laboratory,	Suggested to group the laboratory experiments based on the usual list as per Anna University syllabi	Suggestions passed on to the standing committee	Suggestions Approved



19CS4001R - Java Programming Laboratory			
19CS4001R- Java programming laboratory	Suggested to remove the sample input and output and test cases.	Suggestions passed on to the standing committee	Suggestions Approved
19CS4204 - Design Thinking	Suggested to change the name of the EEC or ICC course since both the courses were given the same name "Design Thinking".	Suggestions passed on to the standing committee	Suggestions Approved
19CS3001R- Database Management Systems Laboratory	Suggested to include mini project.	Suggestions passed on to the standing committee	Suggestions Approved
19CS3001R- Database Management Systems Laboratory	Suggested to include more number of scenario based experiments in	Suggestions passed on to the standing committee	Suggestions Approved
19CS3002R- Data Structures Laboratory	Suggested to change the experiments by providing real time scenario based questions to make students understand which data structure to be used where	Suggestions passed on to the standing committee	Suggestions Approved
Common Suggestion: Cybersecurity, Cloud computing	Suggested to include the below topics in the next update <ul style="list-style-type: none"> <li>➤ Kotlin Language</li> <li>➤ Cybersecurity</li> <li>➤ Any Cloud Platforms hands-on</li> </ul>	Will be including the topics in the next BOS	Suggestions Approved



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Chairman  
Board of Studies

Chairman - BoS  
CSE - HICET

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Date: 30.07.2021

**Action Taken Report on BoS**

The meeting of Sixth Board of Studies of Regulation 2019 for the Department of Electrical and Electronics Engineering Undergraduate programme was conducted on 24.07.2021 at 11.30 A.M in ONLINE mode through Google Meet.

(Meeting Link: <https://meet.google.com/fwz-qtpd-gdn>)

**(i) Syllabus Revision:**

S.No.	Course Code	Course Title	Action Taken	Percentage Syllabus Revised
1.	19EE5203	Microprocessors and Microcontrollers	Modified	20%
2.	19EE6305	Principles of Robotics	Incorporated	15%

Overall Percentage of syllabus revision made in the BoS: 2.30 %

**(ii) New courses Introduced:**

S.No.	Course Code	Course Title
1	19IT5331	Fundamentals of Java Programming
2	19EE5304	Computer Networks
3	19EE5305	Control of Electrical Apparatus
4	19EE6181	Industrial Safety Management
5	19EE6301	Industrial Automation
6	19EE6302	Electric Vehicle Mechanics and Control
7	19EE6304	Electrical Estimation and Costing
8	19EE6305	Principles of Robotics
9	19EE6701	Internship/Industrial Training

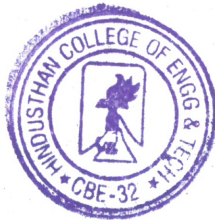


**Syllabus related Recommendations:**

S. No	Suggestions given by BoS experts	Action taken
1.	In fifth semester "19EE5203 Microcontrollers and its Applications" Basic concept of Raspberry pi can be included in unit-5 and subject title to be changed as Microprocessors and Microcontrollers.	Included
2.	In sixth semester 19EE6251 "Embedded Systems" –Study of traffic light controller experiment to be renamed as Design of Traffic light control and Text books to be changed.	Implemented
3.	In Professional Elective II 19EE6305 "Principles of Robotics" history of robotics to be added in the syllabus.	Included
4.	In open elective 19EE6401 the title of the course Fundamentals of Solar photovoltaic Systems to be changed to Basics of Solar photovoltaic Systems.	Incorporated

The following recommendations given by stakeholders are considered and incorporated.

- Students are organizing various inter and intra college events in an outstanding way.
- Large number of outreach activities to be conducted to improve the students' social connect with society.



  
Chairman

Board of Studies



# Hindusthan College of Engineering and Technology

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

## Department of Electronics and Communication Engineering

Date: 03.02.2021

### Action Taken Report on BoS

The Seventh Board of Studies meeting for BE Electronics and Communication Engineering for the academic year 2021-22 was conducted on 30.01.2021 at 2.30 pm in Google meet (<https://meet.google.com/xdq-yyjg-fah>).

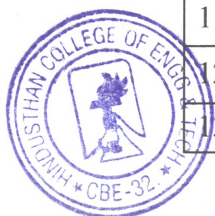
#### (i) Syllabus Revision:

S. No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1	19EC5201 Microprocessor and Microcontroller	Incorporated	20%
2	19EC5202 Transmission lines and Wave Guides	Incorporated	10%
3	19EC5203 VLSI Design	Incorporated	2%

**Overall Percentage of syllabus revision made in the BoS: 0.93 %**

#### (ii) New courses Introduced:

S.No.	Regulation	Course code with name	Credits
1.	R2019	19EC5201-Microprocessor and Microcontroller	3
2.	R2019	19EC5202-Transmission lines and Wave Guides	4
3.	R2019	19EC5203-VLSI Design	3
4.	R2019	19EC5301-Measurements and Instrumentation	3
5.	R2019	19EC5302-PCB Design	3
6.	R2019	19EC5303-RF System Design	3
7.	R2019	19EC5304-Network Security	3
8.	R2019	19EC5181-Total Quality Management	3
9.	R2019	19EC5251-Data Communication and Networks	3
10.	R2019	19EC5252-Digital Signal Processing	3
11.	R2019	19EC5001-VLSI Design Lab	1.5
12.	R2019	19EC5002-Microprocessors and Microcontrollers Lab	1.5
13.	R2019	19HE5071-Soft Skills - I	1



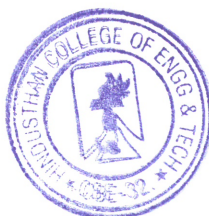
14.	R2019	19HE5072-Design Thinking	1
15.	R2019	19EC6201-Digital Communication	3
16.	R2019	19EC6202-Antenna and Wave Propagation	4
17.	R2019	19EC6181-Principles of Management	3
18.	R2019	19EC6301-Medical Electronics	3
19.	R2019	19EC6302-Industrial Automation	3
20.	R2019	19EC6303-Mobile Communication	3
21.	R2019	19EC6304-High Speed Networks	3
22.	R2019	19EC6182-E-Commerce Technology	3
23.	R2019	19EC6305-Virtual Reality And Augmented Reality	3
24.	R2019	19EC6401-Consumer Electronics	3
25.	R2019	19EC6251-Embedded Systems and IOT	3
26.	R2019	19EC6001-Digital Communication Lab	1.5
27.	R2019	19EC6701-Internship	1
28.	R2019	19HE6071-Soft Skills - II	1
29.	R2019	19HE6072-Intellectual Property Rights (IPR)	1

**Syllabus related Recommendations:**

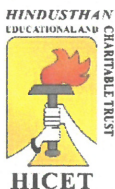
S. No	Suggestions given by BoS experts	Action taken
1.	In 5 <sup>th</sup> Sem, “19EC5201 Microprocessor and Microcontroller , ARM processor is to be included as a single unit	Incorporated
2.	In 5 <sup>th</sup> Sem, “19EC5202 Transmission lines and Wave Guides”, Unit IV is elaborate so it should be split into unit IV and V.	Incorporated
3.	In 5 <sup>th</sup> Sem, “19EC5203 VLSI Design” Topic subsystem design is to be included replacing MESFET	Incorporated
4.	In 5 <sup>th</sup> Sem, “19EC5252 Digital Signal Processing”, Oppenheim and Schaffer is to be included as text book	Incorporated
5.	Raspberry Pi is to be included instead of ARDUINO.	Incorporated

*Plaj*

Chairman  
Board of Studies



Chairman - BoS  
ECE - HICET



# *Hindusthan College of Engineering and Technology*

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Othakalmandapam Post, Coimbatore – 641 032

## **Department of Electronics and Communication Engineering**

Date: 14.07.2021

### Action Taken Report on BoS

The meeting of the Board of Studies in the Department of Electronics and Communication Engineering for BE Electronics and Communication Engineering Undergraduate programme was conducted on 09 July 2021 at 10.00 am in the Online Mode (Google Meet) (<https://meet.google.com/hng-pzen-ovv>).

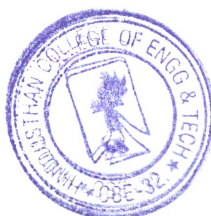
#### i) Syllabus Revision:

S. No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19EC4201R-Electro Magnetic Fields and waves	Modified	20%
2.	19EC4202R-Analog Communication	Modified	20%
3	19EC3203R- Electronic Circuits	Incorporated	2%
4	19EC3001-Electronic circuits lab	Modified	25%
5	19EC4203R-Linear Integrated Circuits	Incorporated	20%
6	19EC4251-Control Systems/ICC4	Incorporated	30%
7	19EC4001R-Linear Integrated Circuits Lab	Modified	25%
8	19EC5252- Digital Signal Processing	Incorporated	5%
9	19EC6201- Digital Communication	Incorporated	20%

**Overall Percentage of syllabus revision made in the BoS: 6.48 %**

The following recommendations given by stakeholders are considered and incorporated.

- Students are patenting their ideas and findings
- New courses to be introduced and adapting to current trend.



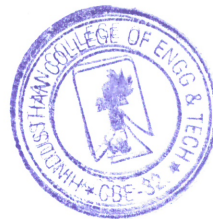
**Syllabus related Recommendations:**

S. No	Suggestions given by BoS experts	Action taken
1.	In 19EC3201-Digital Electronics, Verilog should be included.	Already included in lab course
2.	In 19EC3203-Electronic Circuits, Some units are compressed and some are expanded.	Changes incorporated
3.	In 19EC3001-Electronic circuits lab, Aim and inference to be clearly given for all experiments	Changes incorporated
4.	In 19EC4201-Electro Magnetic Fields and waves,5th unit EM waveguides to be replaced by uniform plane waves &I and II unit to be moved to physics	Changes incorporated
5.	In 19EC4202-Analog Communication, Transmitter and Receiver can be combined as single unit. PAM, PPM and PWM included in V unit	Changes incorporated
6.	In 19EC5252-Digital Signal Processing, Experiment changes suggested.	Changes incorporated
7.	In 19EC6201-Digital Communication, 4th unit can be revamped.	Changes incorporated



**Chairman  
Board of Studies**

**Chairman - BoS  
ECE - HiCET**



## Department of Electronics and Instrumentation Engineering

Date: 23.02.2021

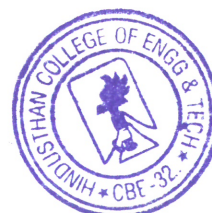
### Action Taken Report on BoS

The meeting of Sixth Board of Studies of Regulation 2019 for the Department of Electronics and Instrumentation Engineering Undergraduate programme was conducted on 06.02.2020 at 10 am in ONLINE mode through Google Meet.

#### (i) Syllabus Revision:

S. No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1	19EI5201- Industrial Instrumentation – II	Incorporated	20%
2	19EI5202- Control Systems	Modified	20%
3	19EI5204- Analytical Instrumentation	Modified	20%
4	19EI5251- Programmable Logic Controllers and SCADA	Incorporated	20%
5	19EI5001- Industrial Instrumentation Laboratory	Modified	30%
6	19EI5002- Microprocessors and Microcontrollers Laboratory	Modified	30%
7	19EI6181- Industrial Safety Management	Included	20%
8	19EI6201- Process Control	Modified	25%
9	19EI6251- Embedded Systems	Modified	20%
10	19EI6001- Process Control Laboratory	Modified	20%
11	19EI6002- Virtual Instrumentation Laboratory	Incorporated	20%
12	19EI5301- Power Plant Instrumentation	Modified	30%
13	19EI5302- Communication Theory	Modified	25%
14	19EI6301- VLSI Design	Modified	20%
15	19EI6302- Micro Electro Mechanical Systems	Modified	25%
16	19EI6303- Industrial Data Communication	Incorporated	20%
17	19EI6305- Introduction to Soft Computing	Modified	25%
18	19EI6401 - Smart Sensors for Engineering Applications	Modified	20%

**Overall Percentage of syllabus revision made in the BoS : 19.57 %**

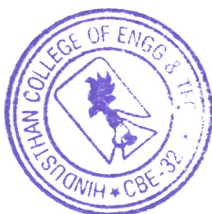


**ii) New courses Introduced:**

S.No.	Regulation	Course code with name	Credits
1.	2019	19EI5302 - Communication Theory	3
2.	2019	19EI5303 - Industrial Chemical Process	3
3.	2019	19EI5304 - Operating Systems	3
4.	2019	19EI5202 - Control Systems	4
5.	2019	19EI6301 - VLSI Design	3
6.	2019	19EI6181 - Industrial Safety Management	3
7.	2019	19EI6302 - Micro Electro Mechanical Systems	3
8.	2019	19EI6303 -Industrial Data Communication	3
9.	2019	19EI6304 -Digital Image Processing	3
10.	2019	19EI6305- Introduction to Soft Computing	3
11.	2019	19EI6401 - Smart Sensors for Engineering Applications	3
12.	2019	19HE5071 -Soft Skills - I	1
13.	2019	19HE5072 - Design Thinking	1
14.	2019	19HE6071 - Soft Skill-II	1
15.	2019	19HE6072 - Intellectual Property Rights (IPR)	1
16.	2019	19HE1074 - NCC General and National Integration	1
17.	2019	19HE2074 - Social services and community development	1
18.	2019	19VAEI02 - Basics of LabVIEW	1
19.	2019	19VAEI03 - Proficiency in Graphical System Design with Hardware	1

The following recommendations given by stakeholders are considered and incorporated.

- More practical exposure to be given to theory papers through arranging training programme, webinars, seminars, workshops, Industrial Visits etc
- New courses to be introduced and adapting to current trend.



**Chairman**  
**Board of Studies**  
**Chairman - BoS**  
**EIE - HICET**

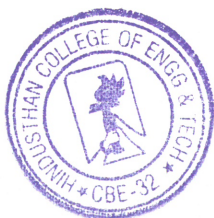
**Department of MECHANICAL Engineering**

**Action taken report on Board of Studies meeting**

Action taken report for the Board of Studies meeting conducted for the Academic Year: 2021 - 2022 on 08.02.2021 at 10.30 am in ONLINE mode through Google Meet: <https://meet.google.com/igo-gdat-fzt>

**(ii) New courses Introduced:**

S.No.	Regulation	Course code with name		Credits
1	2019	19ME5201	Dynamics of Machines	3
2	2019	19ME5202	Heat and Mass Transfer	4
3	2019	19ME5203	Design of Machine Elements	3
4	2019	19ME5204	Automobile Engineering	3
5	2019	19ME5251	Machine Drawing	3
6	2019	19ME5001	Dynamics Lab	1.5
7	2019	19ME5002	Heat Transfer Lab	1.5
8	2019	19ME6181	Principles of Management	3
9	2019	19ME6201	CAD/CAM	3
10	2019	19ME6202	Metrology and Quality Control	3
11	2019	19ME6203	Design of Transmission Systems	3
12	2019	19ME6001	CAD/CAM Lab	1.5
13	2019	19ME6002	Metrology and Measurements Lab	1.5
14	2019	19ME5301	Advanced Foundry Technology	3
15	2019	19ME5302	Advanced Welding Technology	3
16	2019	19ME5303	CNC Technology	3
17	2019	19ME5304	Unconventional Machining Processes	3
18	2019	19ME5305	Hydraulic and Pneumatic systems	3
19	2019	19ME6301	Refrigeration and Air Conditioning	3
20	2019	19ME6302	Advanced I.C. Engines	3
21	2019	19ME6303	Design of Heat Exchangers	3
22	2019	19ME6304	Design of Heat Exchangers	3
23	2019	19ME6305	Energy Conservation and Management	3
24	2019	19ME6401	Renewable Energy Sources	3

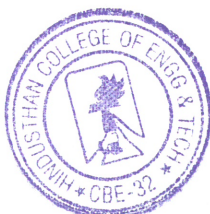


The following recommendations given by stakeholders are considered and incorporated.

1. Special coaching classes are conducted for the slow learners regularly.
2. Revision has been done in the Strength of Material subject.

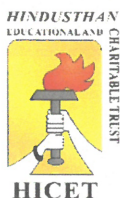
**General Recommendations:**

<b>BOS Members Suggestions</b>			
<b>Subject Name</b>	<b>Suggestions – Regulation 2019</b>	<b>Explanation / Action Taken</b>	<b>Remarks</b>
19ME5204 - Automobile Engineering	Suggested that, The title of Unit-V shall be changed as “Electrical Vehicles and Electric Hybrid Vehicles”. Suggested that, Emphasis shall be given to energy storage and types of motors used in electrical vehicles.	Suggestions passed on to the standing committee	Suggestions Approved -
19ME5002-Heat Transfer Lab	Suggested that, the list of experiments on “Heat Transfer and Refrigeration & Air conditioning” are to be merged.		
19ME6203- Design of Transmission Systems	Suggested that, assignment practice on “Design and analysis of small components used for power transmission” shall be given.		
19ME6001- CAD/CAM Lab	Suggested that, Modeling of Heavy Assembly parts like, stuffing box, tail stock &etc can be given. Suggested that, MASTER CAM software practice shall be given.		
Common Suggestion	Suggested that, the certification courses from various Skill development Agencies can be offered as mandatory courses or one credit courses.		
	Suggested that, Non-credit mandatory course focusing on GATE and other competitive examinations can be offered in each semester.		
	Suggested that, summer internship from various reputed mechanical industry can be offered to students in every year		
	Suggested that, One credit course for emerging skills such as Artificial intelligence, Machine Learning, Data Analytics as per FICCI and World Economic forum report may be offered. It can also be taken up from MOOCs.		
	Suggested that, One extra credit course as per the local region industry requirements can be offered.		



**Chairman**

**Board of Studies  
Chairman - Bos  
MECH - HICET**



# Hindusthan College of Engineering and Technology

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Valley Campus, Pollachi Highway, Coimbatore – 641 032



## Department of MECHANICAL Engineering

### Action taken report on Board of Studies meeting

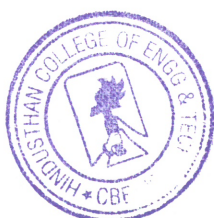
Action taken report for the Board of Studies meeting conducted for the Academic Year: 2021 - 2022 on 27.07.2021 in online mode using Google Meet: [meet.google.com/set-rhvp-bet](https://meet.google.com/set-rhvp-bet).

The following recommendations given by stakeholders are considered and incorporated.

1. Special coaching classes are conducted for the slow learners regularly.
2. Revision has been done in the Strength of Material subject.

### General Recommendations:

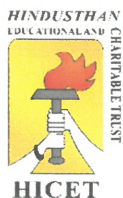
BOS Members Suggestions			
Subject Name	Suggestions – Regulation 2019	Explanation / Action Taken	Remarks
19ME3201 Manufacturing Technology-I:	Suggested changes in Course Objectives.	Suggestions passed on to the standing committee	Suggestio ns Approved
19ME3203 Engineering Materials and Metallurgy	Suggested changes in Course Objectives.		
19ME5301 Advanced Foundry Technology	Recent Furnace technology and casting topics can be added.		



  
Chairman

Board of Studies

Chairman - BoS  
MECH - HICET



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## Department of MECHANICAL Engineering

### Action taken report on Board of Studies meeting

Action taken report for the Board of Studies meeting conducted for the Academic Year: 2021 - 2022 on 07.02.2022 in online mode using Google Meet: <https://meet.google.com/etp-u00e-vyq>

### General Recommendations:

BOS Members Suggestions			
Subject Name	Suggestions – Regulation 2019	Explanation / Action Taken	Remarks
19ME4201 Manufacturing Technology-II	1. Burnishing operation, types of burnishing and tools used -topics can be added 2. Latest metal coating techniques like TiN, TiC -topics can be added	Suggestions passed on to the standing committee	Suggestions Approved
19ME6202 Metrology & Quality Control	Reproducibility, Advanced 3D Scanner - topics can be added		
19ME6305 (Elective) Energy Conservation and Management	Energy Source types and 'Energy conservation act' - topics can be added		
19HE6071 (Elective) Soft Skills - II	Team Building, Leadership skills and Crisis management - topics can be added		



  
Chairman

Board of Studies  
Chairman - BoS  
MECH - HICET

## Department of Mechatronics Engineering

Date: 01.02.2021

### Action Taken Report on BoS

The meeting of Sixth Board of Studies of Regulation 2019 for the Department of Mechatronics Engineering Undergraduate programme was conducted on 29.01.2021 at 11.30 am in the Video Conference Hall, Central Library.

#### (i) Syllabus Revision:

S. No.	Subject in which revision has been done	Action taken	Percentage Syllabus Revised (%)
1	19MT5201-Machine Design	Modified	25
2	19MT5202-Industrial Automation and Control	Modified	20
3	19MT5203-Control of Mechatronics Systems	Modified	25
4	19MT5251-Fluid Power Systems	Modified	25
5	19MT5001-Computer Aided Machine Drawing Laboratory	Modified	40
6	19MT5301-Engineering Metrology and Measurements	Modified	25
7	19MT5302-Non-Traditional Machining Techniques	Modified	25
8	19MT5303-Automobile Systems	Modified	25
9	19MT6202-CNC Technology	Modified	25

Overall Percentage of syllabus revision made in the BoS: 9.28 %

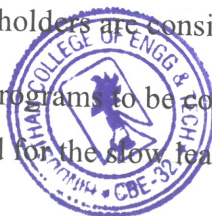
#### (ii) New courses Introduced:

S.No.	Regulation	Course code with name	Credits
1.	2019	19MT5201-Machine Design	4
2.	2019	19MT5202-Industrial Automation and Control	3
3.	2019	19MT5203-Control of Mechatronics Systems	3
4.	2019	19MT5251-Fluid Power Systems	3
5.	2019	19MT5252-Object Oriented Programming	3
6	2019	19MT5001-Computer Aided Machine Drawing Laboratory	1.5
7	2019	19MT5002-Industrial Automation and Control Laboratory	1.5

8	2019	19MT5301-Engineering Metrology and Measurements	3
9	2019	19MT5302-Non Traditional Machining Techniques	3
10	2019	19MT5303-Automobile Systems	3
11	2019	19MT5305-Materials Science and Applications	3
12	2019	19HE5071-Soft Skills - I	1
13	2019	19HE5072-Design Thinking	1
14	2019	19MT6181-Total Quality Management	3
15	2019	19MT6201-Design of Mechatronics Systems	3
16	2019	19MT6202-CNC Technology	3
17	2019	19MT6001-CNC Laboratory	1.5
18	2019	19MT6002-Industrial Automation and Control Laboratory - II	1.5
19	2019	19MT6301-Embedded System	3
20	2019	19MT6302-Discrete Event System Simulation	3
21	2019	19MT6303-Product Design and Development	3
22	2019	19MT6304-Non-Destructive Testing Techniques	3
23	2019	19MT6305-Distinctive Electrical Machines	3
24	2019	16MT6401-Industrial Safety and Environment	3
25	2019	19HE6071-Soft Skills - II	1
26	2019	19HE6072-Intellectual Property Rights (IPR)	1

The following recommendations given by stakeholders are considered and incorporated.

- More number of skill oriented training programs to be conducted every year.
- Special coaching classes to be conducted for the slow learners regularly.



**General Recommendation:**

S.No.	Suggestion given by the BoS experts	Action taken
1	Consideration of MOOC courses like NPTEL/Coursera / Edx etc as Additional credit courses so that students can get wide exposure on knowledge sharing.	Considered

*S. Dalmadh*

**Chairman  
Board of Studies**

**Chairman - BoS  
MCT - HiCET**



## Department of Mechatronics Engineering

Date: 11.07.2021

### Action Taken Report on BoS

The meeting of Seventh Board of Studies of Regulation 2019 for the Department of Mechatronics Engineering Undergraduate programme was conducted on 08.07.2021 at 10.00 a.m. in the Video Conference Hall, Central Library.

#### Syllabus Revision:

S. No.	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1	19MT6002-Industrial Automation and Control Laboratory – II	Modified	25%
2	19MT6302-Discrete Event System Simulation	Incorporated	25%
3	19MT6251-Vetronics	Modified	25%
4	19MT6305-Distinctive Electrical Machines	Incorporated	25%

**Overall Percentage of syllabus revision made in the BoS: 4.12 %**

The following recommendations given by stakeholders are considered and incorporated.

- More number of skill oriented training programs to be conducted every year.
- Special coaching classes to be conducted for the slow learners regularly.

*S. Dasmadh*

Chairman  
Board of Studies

Chairman - BoS  
MCT - HICET





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## Department of Information Technology

Date: 25.01.2021

### Action Taken Report on BoS

The meeting of Seventh Board of Studies of Regulation 2019 for the Department of Information Technology Undergraduate programme was conducted on 22.01.2021 at 11.50 A.M in ONLINE mode through Google Meet. (Meeting Link: <http://meet.google.com/gxw-hduz-ccg>)

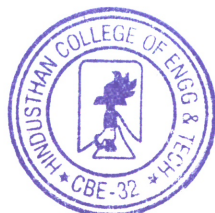
(i) Syllabus Revision:

S. No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19IT6202R - Principles of Compiler Design	Modified	40%
2.	19IT3002R - Object Oriented Programming using C++ Laboratory	Modified	40%

**Overall Percentage of syllabus revision made in the BoS : 1.82 %**

Syllabus related Recommendations:

S. No	Suggestions given by BoS experts	Action taken
1.	Subject experts suggested to include Industry Oriented Programming courses so that it would be benefitted by students for their placement.	Considered



  
Chairman

Board of Studies

**Chairman - BoS  
IT - HICET**



# Hindusthan College of Engineering and Technology

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Othakalmandapam Post, Coimbatore – 641 032

## Department of Information Technology

Date: 12.07.2021

### Action Taken Report on BoS

The meeting of Eighth Board of Studies of Regulation 2019 for the Department of Information Technology Undergraduate programme was conducted on 10.07.2021 at 11.30 A.M in ONLINE mode through Google Meet. (Meeting Link: <http://meet.google.com/xpo-vahu-gru>)

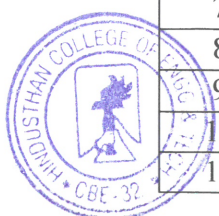
(i) **Syllabus Revision:**

S. No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1	21IT2151-Programming in C	Modified	40%
2	19IT3002R- Object Oriented Programming Using C++ Laboratory	Modified	30%
3	19IT3001R- Data Structures and Algorithm Laboratory	Modified	100%
4	19IT4001R- Java Programming Laboratory	Modified	100%
5	19IT4002R- Database Management Systems Laboratory	Modified	35%
6	19IT5351R - Internet and Web Technology	Modified	50%

**Overall Percentage of syllabus revision made in the BoS : 5.45 %**

(ii) **New courses Introduced:**

S.No.	Regulation	Course code with name	Credits
1	2019	19IT3252 - Relational Database Management System	3
2	2019	19IT5201-Mobile Computing	3
3	2019	19IT5202-Computer Networks	3
4	2019	19IT523-Microcontrollers and Embedded Systems	3
5	2019	19IT5204-Artificial Intelligence and Machine Learning	3
6	2019	19IT5205-Data Warehousing and Data Mining	3
7	2019	19IT5001-Machine Learning Laboratory	1.5
8	2019	19IT5001-Mobile Application Development Laboratory	1.5
9	2019	19IT6181-Software Project Management	3
10	2019	19IT6201-Internet of Things	3
11	2019	19IT6202R-Principles of Compiler Design	3



12	2019	19IT6251-Cryptography and Network Security	4
13	2019	19IT6001-Internet of Things Laboratory	1.5
14	2019	19IT6002-Hardware and Software Clinic	1.5
15	2019	19IT6701-Internship/Industrial Training	1
16	2019	19IT5351R-Internet and Web Technology	3
17	2019	19IT5352-Advanced Java Programming	3
18	2019	19IT5353-C# and .Net Programming	3
19	2019	19IT5354-Advanced Data Structure	3
20	2019	19IT5355-Advanced Database Technology	3
21	2019	19IT5356-Ethical Hacking	3
22	2019	19IT6301-Business Intelligence and Analysis	3
23	2019	19IT6302-Information Security	3
24	2019	19IT6303-Software Design	3
25	2019	19IT6304-Natural Language Processing	3
26	2019	19IT6305-Soft Computing	3
27	2019	19IT6307-Virtual Reality and Augmented Reality	3

The following recommendations given by stakeholders are considered and incorporated.

- Life skill course to be introduced as an elective course
- Placement training to be mandated for all the students.

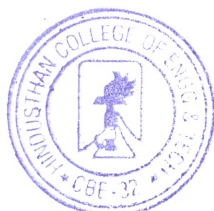
**Syllabus related Recommendations:**

S. No	Suggestions given by BoS experts	Action taken
1.	The Experts of BoS have approved to revise the above-mentioned Lab Courses Syllabi except 19IT4002R-Database Management Systems Laboratory.	Incorporated



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Board of Studies**

**Chairman - BoS  
IT - HICET**



## Department of Agriculture Engineering

Date: 15.07.2021

### ACTION TAKEN REPORT ON BOS

Name of the Department: **Agriculture Engineering**

The meeting of fifth board of studies of Regulation 2016 and Regulation 2019 for the Department of Agriculture Engineering Under Graduate Programme was conducted on 14.07.2021 at 2.30 PM in the Board Room (Virtual mode), Hindusthan College of Engineering and Technology.

#### (i) Syllabus Revision

S.No.	Subject in which revision has been done	Action taken	Percentage Syllabus Revised (%)
1.	19AG3201-Soil Science and Engineering	Modified	25
2.	19AG3001-Field Crop Production Practical	Modified	40
3.	19AG3002-Soil Science Laboratory	Included	40
4.	19AG3251-Unit Operations in Agricultural Processing	Included	30

Overall Percentage of revision made in the BoS: 5.13%

#### (ii) New Course Introduced under 2016 Regulation

S.No.	Course Code	Course Title	Credit
1	16AG7201	Groundwater and Well Engineering	3
2	16AG7202	Remote Sensing and Geographical Information System	3
3	16AG7203	Solar and Wind Energy Engineering	3
4	16AG7204	Agricultural Extension	3
5	16AG7001	GIS Laboratory for Agricultural Engineers	2
6	16AG7002	Renewable Energy Laboratory	2
7	16AG7003	ICT in Agricultural Engineering	2
8	16AG7701	Industrial Training / Technical Seminar	3
9	16AG7301	Industrial Waste Water Management	3
10	16AG7302	Ergonomics and Safety in Agricultural Engineering	3
11	16AG7303	On Farm Water Management	3
12	16AG7304	Watershed Hydrology and Management	3
13	16AG7305	Application of Drone Technology in Agriculture	3
14	16AG7306	Dairy Process Technology	3
15	16AG7307	Storage and Packaging Technology	3
16	16AG7308	Process Engineering of Fruits and Vegetables	3
17	16AG7401	Emerging Technologies in Food Process Engineering	3



**(iii) New Course Introduced under 2019 Regulation**

S.No.	Course Code	Course Title	Credit
1	19AG5201	Farm Machinery and Equipment	3
2	19AG5202	Refrigeration and Cold Chain Management	3
3	19AG5203	Theory of Machines	3
4	19AG5251	Groundwater and Well Engineering	3
5	19AG5252	Soil and Water Conservation Engineering	3
6	19AG5001	Operation and Maintenance of Farm Machinery Laboratory	1.5
7	19AG5002	CAD for Agricultural Engineering	1.5
8	19HE5071	Soft Skills - I	1
9	19HE5072	Design Thinking	1
10	19AG5301	Systems Analysis and Soft Computing in Agricultural Engineering	3
11	19AG5302	Sustainable Agriculture and Food Security	3
12	19AG5303	CDM and Carbon Trading Technology	3
13	19AG5304	IOT in Agricultural Systems	3
14	19AG5305	Ergonomics and Safety in Agricultural Engineering	3

**(iv) Additional Courses Introduced with Zero credit**

S. No.	Course Code with Name
1	16VAAG01- Training on Testing and Evaluation of agriculture machinery and implements
2	16VAAG02- Principles of gardening and design consideration
3	16VAAG03- Training on Mobile App and Web Development for monitoring agricultural practices.


The following recommendations given by stakeholders are considered and incorporated.

- Placement training is mandated for all the students.
- Adding Skill based courses in the curriculum.

**General Recommendations:**

S.No.	Suggestion given in the BoS experts	Action taken
1	Members suggested Automation of irrigation - Now all the irrigation companies are focusing on automation.	Considered
2	Farm Mechanization- In addition to B.E courses special attention and interested students may be trained regarding design of machineries & equipment to suit the local Indian farmers, CAD, IoT in agriculture etc.,	Considered



  
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Board of Studies  
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**AGRI - Hicet**

## Department of Agriculture Engineering

Date:06.02.2022

### ACTION TAKEN REPORT ON BOS

Name of the Department: **Agriculture Engineering**

The meeting of Sixth Board of Studies of Regulation 2016 and Regulation 2019 for the Department of Agriculture Engineering Under Graduate Programme was conducted on 04.02.2022 at 2.30 PM in the Board Room, Hindusthan College of Engineering and Technology.

#### i) Syllabus Revision

S.No.	Subject in which revision has been done	Action taken	Percentage Syllabus Revised (%)
1.	19AG4201-Farm Tractors	Modified	35
2.	19AG4202-Thermodynamics	Modified	30
3.	19AG4203-Irrigation and Drainage Engineering	Included	30
4.	19AG4251-Bio Energy Resource Technology	Modified	25
5.	19AG4252-Surveying and Leveling	Included	25
6.	19AG4001-Irrigation Field Lab	Included	25

**Overall Percentage of revision made in the BoS: 6.52%**

#### (ii) New Course Introduced under 2016 Regulation

S.No.	Course Code	Course Title	Credit
1	16AG8901	Project Work	10
2	16AG8301	Agricultural Business Management and Entrepreneurship	3
3	16AG8302	Agricultural Economics and Farm Managements	3
4	16AG8303	Intellectual Property Rights	3
5	16AG8304	Agricultural Waste Management	3
6	16AG8305	Special Farm Equipment	3
7	16AG8306	Mechanics of Tillage and Traction	3
8	16AG8307	Micro Irrigation System	3
9	16AG8308	Automation in Irrigation	3

#### (iii) New Course Introduced under 2019 Regulation

S.No.	Course Code	Course Title	Credit
1	19AG6201	Hydrology and Water Resources Engineering	3
2	19AG6202	Solar and Wind Energy Engineering	3
3	19AG6181	Professional Ethics	3
4	19AG6251	Food and Dairy Engineering	3
5	19AG6252	ICT in Agricultural Engineering	3
6	19AG6701	Industrial Training	3
7	19AG6301	Climate change and adaptation	3
8	19AG6302	Heat and Mass Transfers for Agricultural Engineers	3



9	19AG6303	Disaster Management	3
10	19AG6304	Horticultural Crop Processing	3
11	19AG6305	Organic Farming Technologies	3
12	19AG6401	Urban Agriculture and organic Farming	3
13	19HE6071	Soft Skills - II	1
14	19HE6072	Intellectual Property Rights (IPR)	1

The following recommendations given by stakeholders are considered and incorporated.

- More practical exposure to be given to theory papers through arranging training programme, webinars, seminars, workshops, Industrial Visits, etc.,
- Students to patent their ideas and findings.

**General Recommendations:**

S.No.	Suggestion given in the BoS experts	Action taken
1	Members suggested to invite the industrial expert to provide value added courses	Considered
2	Members suggested to provide industry exposure and research experience to the students	Considered
3	To encourage the students to participate in various online certification courses.	Considered
4	Members accepted to value added courses are added within the curriculum as Mandatory Course with Zero Credit	Included

*Suj*  
Chairman  
Board of Studies

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AGRI - HiCET**





# Hindusthan College of Engineering and Technology

(An Autonomous Institution, Affiliated to Anna University, Chennai  
Approved by AICTE, New Delhi & Accredited by NAAC with 'A' Grade)  
Valley Campus, Pollachi Highways, Coimbatore, Tamil Nadu.



Date: 10.07.2021

## Action Taken Report on BoS

**Name of the Department: Biomedical Engineering**

The Board of studies meeting of the Department Biomedical Engineering was conducted on 07.07.2021. The Board of studies members Reviewed Curriculum and Syllabus of Regulation 2019 and 2016 for the academic year 2021- 2022. This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

S. No	Subject Code	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19BM6305	Artificial Neural Networks	Suggestion Approved	15%
2.	19BM6401	Applications of Biomedical Engineering	Suggestion Approved	15%
3.	19BM6251	Diagnostic and Therapeutic Equipment - I	Suggestion Approved	15%
4.	19BM6301	Biomaterial and Artificial organs	Suggestion Approved	60%
5.	19BM5302	Robotics In Medicine	Suggestion Approved	20%
6.	19BM5251	Virtual Instrumentation using Lab VIEW	Suggestion Approved	30%
7.	19BM5301	Medical Physics	Suggestion Approved	15%
8.	19BM6202	Radiological Equipments and nuclear Medicine	Suggestion Approved	10%

**Overall Percentage of Syllabus Revision made in the BoS: 7.36%**



**(ii) Courses Introduced**

S. No.	Course Code	Course Title	Credits
1.	19BM5201	Bio control systems	4
2.	19BM5202	Biomechanics	3
3.	19BM5203	Microprocessors and Microcontrollers	3
4.	19BM5204	Biomedical Instrumentation	3
5.	19BM5251	Virtual Instrumentation Using Lab VIEW	3
6.	19BM5001	Microprocessors and Microcontrollers Lab	1.5
7.	19BM5002	Biomedical Instrumentation Lab	1.5
8.	19BM5301	Medical Physics	3
9.	19BM5302	Robotics in Medicine	3
10.	19BM5303	Total Quality Management	3
11.	19BM5304	Medical Ethics and Standards	3
12.	19BM5305	Intellectual Property Rights	3
13.	19BM6201	Bio signal Processing	4
14.	19BM6202	Radiological Equipment and nuclear Medicine	3
15.	19BM6203	Entrepreneurship Development	3
16.	19BM6251	Diagnostic and Therapeutic Equipment	3.5
17.	19BM6001	Bio signal Processing Laboratory	1.5
18.	19BM6701	Industrial Training*	1
19.	19BM6301	Biomaterial and Artificial Organs	3
20.	19BM6302	Embedded Systems in Medical Devices	3
21.	19BM6303	Biomedical Waste Management	3
22.	19BM6304	Physiological Modelling	3
23.	19BM6305	Artificial Neural Networks	3
24.	16BM7201	Medical Image Processing	3



25.	16BM7202	Diagnostic and Therapeutic Equipment-II	3
26.	16HE7104	Entrepreneurship Development	2
27.	16BM7001	Medical Image Processing Laboratory	2
28.	16BM7701	Technical Seminar	2
29.	16BM7002	Hospital /Industrial Training (Presentations)	1
30.	16BM7301	Artificial Organs and Implants	3
31.	16BM7302	VLSI Design	3
32	16BM7303	Advanced Bio Analytical And Therapeutic Techniques	3
33	16BM7304	Internet of Things and Its Medical Applications	3
34	16BM7305	Neural Engineering	3
35	16BM7306	Bio fluids and Dynamics	3
36	16BM7307	Artificial Neural Networks	3
37	16BM7308	Medical Data Analytics	3
38	16BM7309	Robotics in Medicine	3
39	16BM7310	Cancer Biology	3
40	16BM7401	First Aid In Emergency Care	3
41	16BM8301	Artificial Intelligence	3
42	16BM8302	Machine learning Techniques in Medicine	3
43	16BM8303	Medical Device Design	3
44	16BM8304	Telemedicine	3
45	16BM8305	Wearable Medical Devices	3
46	16BM8306	Rehabilitation Engineering	3
47	16BM8307	Physiological Modeling	3
48	16BM8308	Biometrics	3
49	16BM8309	Advanced Bio signal Processing	3
50	16BM8310	Brain Computer Interface	3



General Suggestions:

S.No	Suggestions/Comments	Action taken
1.	Panel members suggested that Neural Networks subject may be replaced by deep learning subject.( Add neural network topics in first two units)	Suggestion Approved
2.	Modification to be done in the syllabi of Artificial Intelligence in Healthcare subject.	Suggestion Approved
3.	In open elective: Instead of title "Applications of Biomedical Engineering" the title "Recent Trends in Health Care" can be considered.	Suggestion Approved
4.	Instead of the title "Hospital Engineering" the title "Hospital Management" can be considered.	Suggestion Approved
5.	In the open elective syllabus instead of the topic diagnostic and therapeutic equipment mention specific equipment.	Suggestion Approved
6.	Include case studies in biomaterial and Artificial organ syllabus.	Suggestion Approved
7.	Change Unit 5 title in robotics in medicine syllabus.	Suggestion Approved
8.	In the Drug delivery system syllabi include syringe pump, volumetric pump and infusion pump.	Suggestion Approved
9.	In Virtual reality in medicine syllabus include open source software's detail.	Suggestion Approved



10.	Panel members suggested that the subject Augmented Reality and Virtual Reality in Medicine may be considered as a core paper.	Suggestion Approved
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The following recommendations given by stakeholders are considered and incorporated.

- Students need to patenting their ideas and findings.



Chairman  
Board of Studies



**Chairman - BoS**  
**BME - HICET**



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Valley Campus, Pollachi Highway, Coimbatore – 641032



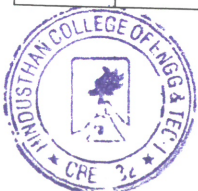
Date:24.01.2021

**Action Taken Report on BoS**

Name of the Department: Biomedical Engineering

The Board of studies meeting of the Department Biomedical Engineering was conducted on 22.01.2021. The Board of studies members Reviewed Regulation 2016 and 2019, Curriculum and Syllabus of Biomedical Engineering for the academic year 2020 – 2021(Even). This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

S.N o	Subject Code	Subject in which revision has been done	Remarks	Percentage Syllabus Revised
1.	19BM6302	Embedded system in medical devices	Suggestion Approved	20%
2.	19BM6401	Applications of Biomedical Engineering	Suggestion Approved	30%
3.	19BM4202	BioMEMS and Nanotechnology	Suggestion Approved	30%
4.	19BM4201	Linear Integrated Circuits	Suggestion Approved	20%
5.	19BM4203	Pathology and Microbiology	Suggestion Approved	10%
6.	19BM6305	Artificial Neural Networks	Suggestion Approved	5%
7.	19BM6251	Diagnostic and Therapeutic Equipment's-I	Suggestion Approved	10%
8.	19BM4251	Sensors and Measurements	Suggestion Approved	10%
9.	19BM6304	Physiological Modelling	Suggestion Approved	10%



**Overall percentage of syllabus revision made in the BoS:9.47%**

S.No	Suggestions / Comments given by the Members	Action Taken
1.	The Semester VI 19BM6302 The syllabus content of Embedded systems in medical devices has to be revised.	Suggestion Approved
2.	The Semester VI 19BM6401 the open elective subject Fundamental of Biomedical Engineering syllabus has to be revised.	Suggestion Approved
3.	The subject Bio transport Phenomenon may be included in the curriculum.	Suggestion Approved
4.	The Semester VI 16BM6302 Remove Biomaterials and add it to Elective Course.	Suggestion Approved
5.	The Semester VII Computers in Medicine subject should be added.	Suggestion Approved
6.	Semester VII (16BM7201) The syllabus content of Medical Image Processing has to be revised.	Suggestion Approved
7.	Semester VII (16BM7307) Change textbook for Neural Networks	Suggestion Approved



The following recommendations given by stakeholders are considered and incorporated.

- IPR (Intellectual Property Rights), Design thinking courses to be added in the curriculum to improve the skills of the students.
- ICT enabled quiz to be conducted for ensuring the effective teaching and learning.



  
Chairman  
(Board of Studies)  
Chairman - BoS  
BME - HiCET

Date: 02.02.2021

## ACTION TAKEN REPORT

Name of the Department: Food Technology

The Board of studies meeting of the Department of Food Technology was conducted on 30.01.2021. The Board of studies members Reviewed Regulation 2016 and 2019, Curriculum and Syllabus 2016 & 2019 of Food Technology for the academic year 2021 – 2022 Odd Sem. This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

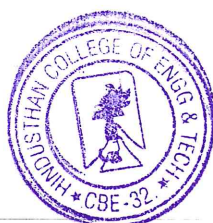
### (i) Syllabus Revision:

S.No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	NIL		

S.No	Suggestions/Comments	Action taken	Remarks
1.	<p>Based on recommendations put forth by the BoS members for the Regulation 2016 curriculum and syllabus the curriculum for VI<sup>th</sup> semester</p> <p>One of the following online certificate courses introduced for obtaining the credit.</p> <p><b>Skill development courses</b></p> <ul style="list-style-type: none"> <li>● Health practices: nutrition, physical activity, community, and family participation</li> <li>● Leading healthcare quality and safety</li> <li>● Leadership and emotional intelligence</li> </ul>	Suggestion passed on the standing committee	Suggestion Approved

### General Suggestions and Recommendations:

1	16FTXXXX Entrepreneurship Management can be replaced with 16FTXXXX Economics & management subject in the professional elective.	Suggestion passed on the standing committee	Suggestion Approved
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*Janya*  
Chairman  
Board of Studies  
**Chairman - BoS  
FT - HICET**

Date: 12.07.2021

## ACTION TAKEN REPORT

**Name of the Department:** Food Technology

The Board of studies meeting of the Department of Food Technology was conducted on 10.07.2021. The Board of studies members reviewed Regulation 2019 and Curriculum and Syllabus of 2019 and professional electives of Regulation 2016 of Food Technology for the academic year 2021- 2022 (Even). This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

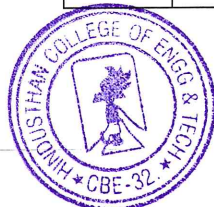
### Syllabus Revision:

S.No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19FT5204- Principles of Food Processing	Modified	60%

**Overall Percentage of syllabus revision made in the BoS: 1.89 %**

### (ii) New courses Introduced:

S.No.	Regulation	Course code with name	Credits
1.	R 2016	16HE7101 - Professional Ethics	3
2.	R 2016	16FT7201 - Food Additives	3
3.	R 2016	16FT7202 - Plantation crops & Spices Product Technology	3
4.	R 2016	16FT7301 - Biology and Chemistry of Food Flavours	4
5.	R 2016	16FT7302 - Food Laws and Safety	3
6.	R 2016	16FT7303 - Functional Foods and Nutraceuticals	3
7.	R 2016	16FT7304 - Food Toxicology and Allergy	3
8.	R 2016	16FT7305 - Instrumentation and Process Control	3
9.	R 2016	16FT7306 - Technology of Snack and Extruded Foods	3
10.	R 2016	16FT7307 - Beverage Technology	3
11.	R 2016	16FT7308 - Food Process Plant Layout and Safety	3
12.	R 2016	16FT7401 - Food Product Development	3
13.	R 2016	16FT7001 - Food Process Equipment Design Laboratory	2



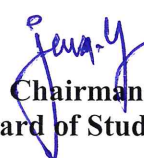
14.	R 2016	16FT7801 - Mini Project	2
15.	R 2019	19FT5204 - Principles of Food Processing	3
18.	R 2019	19HE3072 - <b>Career Guidance Level – III</b> Personality, Aptitude and Career Development	0
19.	R 2019	19HE3073 - Leadership Management Skills	0

The following recommendation given by Stakeholders are considered and incorporated.

- More number of skills oriented training programs are conducted every year.
- More extracurricular activities are conducted and students have participated effectively.

S.No	Suggestions/Comments	Action taken	Remarks
1	The title of Unit II, III, and IV can be changed as 'Equipment's in Baking Technology, Bakery Product Preparation I, Bakery Product Preparation II/ Other Bakery Products of 19FTXXXX Bakery and Confectionery Technology course in the fifth semester.	Suggestion passed on the standing committee	Suggestion Approved
2	The V <sup>th</sup> semester should have the following subjects with the subject code and title: 19FT5201 Baking and Confectionery Technology – 3 credits 19FT5202 Food Additives – 3 credits 19FT5203 Poultry, Meat and Fish Process Technology – 3 credits 19FT5204 Principles of Food Processing – 3 credits 19FT5205 Unit Operations in Food Processing – Theory with Lab Component 19FT5001 Baking and Confectionery Technology Laboratory – 2 credits 19FT5002 Unit Operations in Food Processing Laboratory– 2 credits	Suggestion passed on the standing committee	Suggestion Approved
3	Based on the recommendation from the DAC, the following value-added courses can be introduced from 3rd semester onwards: 1. Food colours and flavor technology 2. Waste management in Food industries 3. Skill development in sensory assessment techniques The courses were submitted to the panel for approval, and it was approved by the BoS panel members.	Suggestion passed on the standing committee	Suggestion Approved



  
 Chairman  
 Board of Studies  
**Chairman - BoS**  
**FT - HiCET**

Date: 05.02.2022

**ACTION TAKEN REPORT**

**Name of the Department: Food Technology**

The Board of studies meeting of the Department of Food Technology was conducted on 04.02.2022. The Board of studies members reviewed Regulation 2019 and Curriculum and Syllabus of 2019 of Food Technology for the academic year 2021- 2022 (Even). This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

**(i) Syllabus Revision:**

S. No	Subject Code	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19FT4201	Fundamentals of Heat and Mass Transfer	Incorporated	15%
2	19FT4204	Refrigeration and Cold Chain Management	Modified	15%
3	19FT4203	Engineering Properties of Food materials	Incorporated	6%
4	19FT6201	Dairy Engineering	Modified	9%
5	19FT6202	Plantation Crops and Spices Products Technology	Modified	40%
6	19FT6203	Fruits and Vegetable Processing Technology	Incorporated	15%
7	19FT6001	Dairy Engineering Laboratory	Modified	16%
8	19FT6002	Fruits and Vegetable Processing Technology Laboratory	Incorporated	64%

**Overall Percentage of syllabus revision made in the BoS: 10.14 %**

**(ii) New courses Introduced:**

S.No.	Regulation	Course code with name	Credits
1.	R 2016	16FT8901 - Project	12
2.	R 2016	16FT8301 - Drying Technology	3
3.	R 2016	16FT8302 - Emerging Technologies in Food Processing	3
4.	R 2016	16FT8303 - Modeling, Simulation and Soft Tools for Food Technologists	3

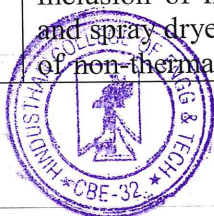


5.	R 2016	16FT8304 - Analytical Instruments in Food Industries	3
6.	R 2016	16FT8305 - Separation Techniques in Food Processing	3
7.	R 2016	16FT8306 - Waste Management and By-Product Utilization in Food Industries	3
8.	R 2016	16FT8307 - Economics and Management	3
9.	R 2016	16FT8308 - Emerging non-thermal processing of foods	3
10.	R 2019	19FT6306 - Crop Process Engineering	3
11.	R 2019	19FT6701 - Industrial Training	1
12.	R 2019	19HE6071 - Soft Skills - II	1
13.	R 2019	19HE6072 - Intellectual Property Rights (IPR)	1

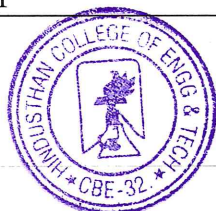
The following recommendation given by stakeholders are considered and incorporated.

- Entrepreneurial skills courses are inculcated and motivated to do startup.
- New era technology courses are included in the curriculum.

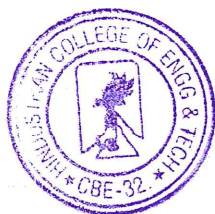
S.No	Suggestions/Comments	Action taken	Remarks
1.	Based on the recommendation from the DAC, 19FT4202/21FT4202 Food Process Calculations course can be interchanged with Refrigeration and Cold chain Management and moved to Professional elective I.	Suggestion passed on the standing committee	Suggestion Approved
2	Based on the recommendation from the DAC, introducing unsteady state heat transfer in Unit I and concept of Mass transfer coefficients in Unit V can be included in 19FT4201/21FT4201 Fundamentals of Heat and Mass transfer.	Suggestion passed on the standing committee	Suggestion Approved
3	Unit I Introduction can be renamed as Unit I Basics. And Introduction to Psychrometry and its basics, ecofriendly refrigerants can be included in the Unit I and reefer vans can be included in Unit V in 19FTXXXX/21FTXXXX Refrigeration and cold chain management.	Suggestion passed on the standing committee	Suggestion Approved
4	In 19FT4203/21FT4203 Engineering Properties of Food Materials, the topics mechanical properties in Unit I, applications of Rheological Properties in Food Processing in Unit IV and Applications of textural properties in Food Processing in Unit V can be included.	Suggestion passed on the standing committee	Suggestion Approved
5	19FT4001/21FT4001 Unit operation laboratory can be renamed as Chemical Engineering Laboratory.	Suggestion passed on the standing committee	Suggestion Approved
6	Inclusion of milk powder manufacturing using drum and spray dryer, probiotics in Unit IV and Applications of non-thermal processing in Dairy industry in Unit V	Suggestion passed on the	Suggestion Approved

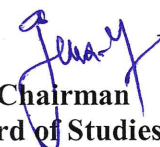


	can be included in 19FT6201/21FT6201 Dairy Engineering.	standing committee	
7	In 19FT6202/21FT6202 Plantation, Crops and Spices Product Technology course, cryogenic grinding can be included in Unit II, flow sheet for the manufacture of coffee powder, instant coffee and briefing about cocoa can be included in Unit III and Coconut sap & sugar processing in Unit IV and CSNL and cashew processing in Unit V can be included. Unit V can be modified according to spices and plantation packaging. These are the changes were submitted to the panel for approval, and it was approved by the BoS panel members.	Suggestion passed on the standing committee	Suggestion Approved
8	Minimal processing of fruits and vegetables can be included in Unit IV and Unit IV and Unit V contents can be modified in 19FT6203/21FT6203 Fruit and Vegetable Processing Technology.	Suggestion passed on the standing committee	Suggestion Approved
9	Two experiments can be included in the syllabus of 19FT6001/21FT6001 Dairy Engineering Laboratory.	Suggestion passed on the standing committee	Suggestion Approved
10	In 19FT6002/21FT6002 Fruits and Vegetable Processing Laboratory, the contents can be modified as per suggestion.	Suggestion passed on the standing committee	Suggestion Approved
11	Suggested to remove the continuation of same word "Traditional" in all units of 19FT6401/21FT6401 Traditional Foods (Open elective).	Suggestion passed on the standing committee	Suggestion Approved
12.	Suggested to include the types of frying like Vacuum frying in 19FT6302/21FT6302 Technology of Snacks and Extruded Foods course.	Suggestion passed on the standing committee	Suggestion Approved
13.	Based on the recommendation from the DAC, the following value-added courses can be introduced: <ol style="list-style-type: none"> <li>1. Consumer acceptance and Market survey in Food Processing can be introduced in semester VII/VIII</li> <li>2. Energy audit in food processing industry can be introduced in semester VII/VIII</li> <li>3. HACCP – Internal auditor</li> </ol> The courses were submitted to the panel for approval, and it was approved by the BoS panel members.	Suggestion passed on the standing committee	Suggestion Approved
14.	The following new professional elective courses can be introduced: <p>19FT6306/21FT6306 Crop Process Engineering introduced in Professional Elective II</p> <p>19FT7307/21FT7307 Emerging Non-Thermal Processing of Foods introduced in Professional Elective III</p>	Suggestion passed on the standing committee	Suggestion Approved



	19FT8312/21FT8312 Total Quality Management introduced in Professional Elective V The courses were submitted to the panel for approval, and it was approved by the BoS panel members.		
15.	As discussed about the importance of online course in the last DAC meeting, students have completed ICT Learnathon online certificate course during the month of July 2021. DAC members reviewed the successful completion of online program by the students. Following are the list of courses completed under Learnathon, submitted to BoS panel members and it's approved. <ol style="list-style-type: none"> <li>1. Basics of Managing money</li> <li>2. Network virtualization concepts</li> <li>3. Image and signal processing</li> <li>4. Cyber security Essential</li> <li>5. Automation 360 RPA Essentials</li> <li>6. The basics of Process Mining</li> <li>7. Microsoft Azure Fundamentals</li> </ol>	Suggestion passed on the standing committee	Suggestion Approved
16.	Students were encouraged to do another online certification course NASCOM during the academic year 2021-2022 even semester. Following are the list of courses under NASCOM, submitted to BoS panel members and its approved <ol style="list-style-type: none"> <li>1. Python Basics</li> <li>2. SQL Fundamentals</li> <li>3. Acquiring Data</li> <li>4. Web Development Foundation</li> <li>5. Adobe UX/ UI</li> <li>6. Operation Systems and Shell Scripting</li> <li>7. Connecting the dots for problem solving</li> </ol>	Suggestion passed on the standing committee	Suggestion Approved
17.	Suggested to provide hands on training in Baking and Confectionary, Fruits and Vegetable Processing and Quality analysis.	Suggestion passed on the standing committee	Suggestion Approved
18.	MSME offers online internship and projects for the students. Hence the credit can be claimed for 19FT6701/21FT6701 Industrial training if they complete the internship/project in MSME through online mode.	Suggestion passed on the standing committee	Suggestion Approved



  
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**FT - HICET**



Date: 05.08.2021

**ACTION TAKEN REPORT ON BOS**

Name of the Department: Chemical Engineering

The meeting of Fourth Board of Studies of Regulation 2019 for the Department of Chemical Engineering Under Graduate Programme was conducted on 10.07.2021 at 11.30 a.m. in the Hindusthan College of Engineering and Technology through google meet (<https://meet.google.com/xei-wtix-stx>).

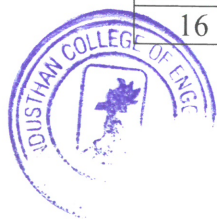
**(I) Syllabus Revision for the Regulations 2019**

S.No.	Courses in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19CH3202–Fluid Mechanics for Chemical Engineers	Modified	30%

**Overall Percentage of revision made in the BoS: 1.67 %**

**(II) New Course Introduced under R2019:**

S. No	Course Code with Name	Credits
1	Chemical Reaction Engineering – I (19CH5201)	4
2	Mass Transfer – II (19CH5202)	4
3	Process Instrumentation Dynamics and Control (19CH5203)	4
4	Safety in Chemical Industries (19CH5204)	3
5	Water Treatment and Solid Waste Management (19CH5251)	3
6	Mass Transfer Lab (19CH5001)	1.5
7	Process Control Lab (19CH5002)	1.5
8	Energy Technology(19CH5301)	3
9	Petroleum Technology (19CH5302)	3
10	Electrochemical Engineering (19CH5303)	3
11	Polymer Technology (19CH5304)	3
12	Food Technology (19CH5305)	3
13	Soft Skills-I (19HE 5071)	1
14	Design Thinking (19HE5072)	1
15	Leadership Management Skills (19HE3073)	0
<b>Open Electives</b>		
Life Skill Courses, Z Stands for semester, students can't choose twice the course, Applicable for all the batch 2019-23 onwards		
16	General Studies for Competitive Examinations (19LSZ401)	3



17	Human Rights, Women's Rights and Gender Equality (19LSZ402)	3
18	Indian Ethos and Human Values (19LSZ403)	3
19	Indian Constitution and Political System (19LSZ404)	3
20	Yoga for Human Excellence (19LSZ405)	3
NCC Courses (Only for the students' who have opted NCC subjects in Semester I, II, III & IV are eligible)		
21	NCC course level 1 (21HEZ401)	3
22	NCC course level 2 (21HEZ402)	3
<b>Additional Credit Course for NCC Cadets</b>		
23	NCC General and National Integration (21HE1074)	1
24	Social services and community development (21HE2074)	1
25	Leadership Qualities and camp activities (21HE3074)	1
26	General awareness, communication and Aero engines (21HE4074)	1
<b>No Credit Mandatory Courses (Batch 2020 – 2024 onwards), Sem – I &amp; II</b>		
27	<b>Career Guidance Level – I</b> Personality, Aptitude and Career Development	0
28	Entrepreneurship & Innovation	0
29	<b>Career Guidance Level – II</b> Personality, Aptitude and Career Development	0
<b>Batch 2020 – 2024 onwards, Sem – III &amp; IV</b>		
30	<b>Career Guidance Level – III</b> Personality, Aptitude and Career Development	0
31	<b>Career Guidance Level – IV</b> Personality, Aptitude and Career Development	0

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

S.No.	Course Code with Name
1.	ICT Learnathon online certificate course

**General Recommendations:**

S. No.	Suggestion Given by the BoS Experts	Action Taken
1.	More industry exposure to the students (Industrial training, industry people guest lectures and so on)	Considered
2.	International exposure to the students (International lectures, international visit and so on).	Considered
3.	Opportunities for the Students to participate in many online certification courses.	Considered
4.	Certification courses related to safety and hazards.	Considered



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Board of Studies**

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CHE - HICET**



Date: 15.02.2022

**ACTION TAKEN REPORT ON BoS**

Name of the Department: Chemical Engineering

The meeting of Fifth board of studies of Regulation 2019 for the Department of Chemical Engineering Under Graduate Programme was conducted on 28.01.2022 at 11.00 am, Hindusthan College of Engineering and Technology Through google meet. (<https://meet.google.com/zap-ncen-xdq>)

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

S.No	Courses in which revision has been done	Action taken	Percentage Syllabus Revised
1.	19CH4201- Process Heat Transfer	Modified	20%
2	19CH4202- Mass Transfer – I	Modified	10%
3	19CH4203 – Chemical Engineering Thermodynamics II	Incorporated	10%

**Overall Percentage of revision made in the BoS: 1.52 %**

**(II) New Course Introduced:**

S. No.	Regulation	Course Code with Name	Credits
1	2019	19CH6201-Chemical Reaction Engineering– II	4
2	2019	19CH6202-Chemical Process Industries	3
3	2019	19CH6181-Professional Ethics in Engineering	3
4	2019	19CH6251-Fluidization Engineering	3
5	2019	19CH6001-Chemical Reaction Engineering Lab	2
6	2019	19CH6301- Petroleum Exploration and Exploitation Techniques	3
7	2019	19CH6302- Enzyme Engineering	3
8	2019	19CH6303-Fundamentals of Nano Science	3
9	2019	19CH6304-Corrosion Science and Engineering	3
10	2019	19CH6305-Piping and Instrumentation	3
11	2019	19CH6401-Waste to Energy Conversion	3



### (III) Mandatory Courses

S.No.	Course Code with Name
1.	Soft Skills – II (19HE6071)
2.	Intellectual Property Rights (IPR) (19HE6072)

### (IV) Non-credit Mandatory Courses

S.No.	Course Code with Name
1.	Career Guidance Level – IV (For the Batch 2021 – 2025, 21HE4072 & For the Batch 2020 – 2024, 19HE4072)
2.	Ideation Skills (For the Batch 2021 – 2025, 21HE4073 & For the Batch 2020 – 2024, 19HE4073)

### (V) Additional Credit Courses Introduced:

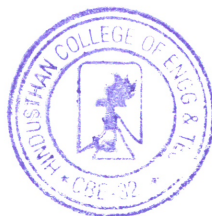
S.No.	Course Code with Name
1.	19VACH03 Fundamentals of AI and it's Chemometric Applications

The following recommendations given by stakeholders are considered and incorporated.

- Value added courses on Fundamentals of AI and its Chemometric Applications has been introduced.
- The number of text books, reference books and research article in central library and departmental library to be increased.

### General Recommendations:

S. No	Suggestion Given by the BoS Experts	Action Taken
1.	Recommended to arrange more skill development opportunities for the students more internship opportunities for the students.	Considered
2.	Recommended for more ICT enabled teaching and learning practice.	Considered



  
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## Department of Artificial Intelligence and Machine Learning

Date: 10.07.2021

### Action Taken Report on BoS

Action taken report for the Board of Studies meeting conducted for the Academic Year: 2021 – 2022 on 10.07.2021 at 10:00a.m. in the the Online Mode (Google Meet: [meet.google.com/gxa-mhc-afg](https://meet.google.com/gxa-mhc-afg))


### New courses Introduced:

S.No.	Regulation	Course Code with Name	Credits
1.	2019	19AI3201 - Data Structures and Algorithms	3
2	2019	19AI3202 -Foundations of Artificial Intelligence	3
3	2019	19AI3251 - Digital Principles and System Design	3
4	2019	19AI3252 - Clean Coding and Devops	4
5	2019	19AI3001R - Data Structures and Algorithms Laboratory	1.5
6	2019	19AI3002 - Artificial Intelligence Laboratory	1.5
7	2019	19AI4201 - Database Management System	3
8	2019	19AI4202 - Data Visualization	3
9	2019	19AI4251 - Operating Systems	3
10	2019	19AI4252 - Introduction to Machine Learning	3
11	2019	19AI4001R - Database Management Systems Laboratory	1.5
12	2019	19AI4002 - Data Visualization Laboratory	1.5



**General Recommendations:**

Subject Name	Suggestions given in the BOS experts	Action Taken
19AI3001R - Data Structures and Algorithms Laboratory, 19AI4001R - Database Management Systems Laboratory	Suggested to group the laboratory experiments based on the usual list as per Anna University syllabi	Suggestions Approved
19AI3001R - Data Structures and Algorithms Laboratory, 19AI4001R - Database Management Systems Laboratory	Suggested to revamp the syllabus of laboratory courses	
19AI4001R - Database Management Systems Laboratory	Suggested to include mini project.	
19AI4001R - Database Management Systems Laboratory	Suggested to include more number of scenario based experiments in	
19AI3001R - Data Structures and Algorithms Laboratory	Suggested to change the experiments by providing real time scenario based questions to make students understand which data structure to be used where	



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# Hindusthan College of Engineering and Technology

(An Autonomous Institution, Affiliated to Anna University, Chennai  
Approved by AICTE, New Delhi & Accredited by NAAC with 'A' Grade)  
Valley Campus, Pollachi Highways, Coimbatore, Tamil Nadu.



## Department of Electrical and Electronics Engineering

Date: 14.07.2021

### Action taken report on BoS

Action Taken report for the Board of Studies meeting (ME AE) conducted for the Academic Year: 2021 – 2022 on 10<sup>th</sup> July 2021 at 10:00am in the Online Mode

The following courses are revised and introduced

S.No.	Regulation	Course code with name	Credits	Revision %
1.	2020	20AE3301- Intelligent Systems and Control	3	15%
2.	2020	20AE3302- An Introduction to Electronics Systems Packaging	3	20%
3.	2020	20AE3303- IOT System Design and Security	3	10%
4.	2020	20AE3304- Hardware and Software Co-design	3	20%
5.	2020	20AE3305- Electronics for solar Power	3	10%
6.	2020	20AE3306- PCB Design And Fabrication	3	15%
7.	2020	20AE3401- Robotics	3	10%
8.	2020	20AE3402- Artificial intelligence and Optimization Techniques	3	15%

Overall revision percentage: 14%



**General Recommendations:**

<b>BOS Members Suggestions</b>			
<b>Subject Name</b>	<b>Suggestions</b>	<b>Explanation / Action Taken</b>	<b>Remarks</b>
For I - II Semester	The curriculum and syllabus of this semester were reviewed and accepted without any changes	NIL	

  
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# **Hindusthan College of Engineering and Technology**

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Valley Campus, Pollachi Highways, Coimbatore, Tamil Nadu.



## **Department of Electronics and Communication Engineering**

Date: 14.07.2021

### **Action Taken Report on BoS**

The meeting of the Board of Studies in Department of Electronics and Communication Engineering for postgraduate programme ME CS was conducted on 09 July 2021 at 10.00 am in the Online Mode (Google Meet).

#### **Syllabus related Recommendations:**

<b>S. No</b>	<b>Suggestions given by BoS experts</b>	<b>Action taken</b>
1.	The changes syllabus for ME CS has been approved with no revisions	-

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ECE - HICET**





# Hindusthan College of Engineering and Technology

(An Autonomous Institution, Affiliated to Anna University, Chennai  
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Valley Campus, Pollachi Highway, Coimbatore – 641032



## Department of Computer Science and Engineering

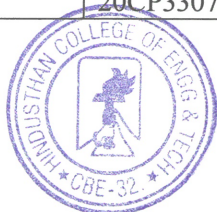
Date: 13.7.2021

### Action taken report on Board of Studies meeting

Action Taken report for the Board of Studies meeting (ME CSE) conducted for the Academic Year: 2021 – 2022 on 10.07.21 at 10:00am in the Online Mode (Google Meet: [meet.google.com/gxa-mhc-afg](https://meet.google.com/gxa-mhc-afg))

#### New courses Introduced:

S.No.	Regulation	Course code with name	Credits
1.	2020	20CP3302-Image Processing and Analysis	3
2.	2020	20CP3301-Big Data Computing	3
3.	2020	20CP3303-Data Mining Techniques	3
4.	2020	20CP3304-Deep Learning Techniques	3
5.	2020	20CP3305-Soft Computing Techniques	3
6.	2020	20CP3306-Linguistic Computing	3
7.	2020	20CP3307-Advanced Cryptography Techniques	3



8	2020	20CP3401-Data Science for Engineers	3
9	2020	20CP3402 - Cyber Security	3

**General Recommendations:**

Subject Name	Suggestions	Action Taken
For I- IV Semester	The curriculum and syllabus of these semesters were reviewed and accepted with changes.	NIL



*S. S. S.*  
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Board of Studies

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CSE - HICET



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Valley Campus, Pollachi Highways, Coimbatore, Tamil Nadu.



## Department of Mechanical Engineering

Date: 08.02.2021

### Action Taken Report on BoS

Action taken report for the Board of Studies meeting (Regulation 2020 PG – ME CAD / CAM) conducted for the Academic Year: 2021 - 2022 on 08.02.2021 at 10.30 am in ONLINE mode through Google Meet.

#### (i) Syllabus Revision:

S. No	Subject in which revision has been done		Action taken	Percentage Syllabus Revised
1.	20CC3301	Mechatronics Applications in Manufacturing	Incorporated	15%
2.	20CC3304	Industrial Robotics and Expert Systems	Incorporated	18%
3.	20CC3311	Design and Analysis of Thermal Energy Systems	Modified	10%
4	20CC3312	Basics and applications for Internet of Things	Incorporated	10%

**Overall Percentage of syllabus revision made in the BoS: 13.25%**

#### (ii) New courses Introduced:

S.No.	Regulation	Course code with name		Credits
1.	2020	20CC3301	Mechatronics Applications in Manufacturing	3
2.	2020	20CC3304	Industrial Robotics and Expert Systems	4
3.	2020	20CC3310	Manufacturing – Online Course Nptel/EDX/Mooc	3
4.	2020	20CC3311	Design and Analysis of Thermal Energy Systems	3
5.	2020	20CC3312	Basics and applications for Internet of Things	3
6	2020	20CC3402	Quality –Online Course NPTEL /EDX/ MOOC	3

#### Syllabus related Recommendations:

S.No.	Suggestion given by BOS Committee Experts	Action Taken	Remarks
1	20CC3301 Mechatronics Applications in Manufacturing' Subject add 3D Printer and automation.	Suggestions passed on to the standing committee	Suggestion Approved



2	20CC3303 Supply Chain Management' subject add logistics case analysis.	Suggestions passed on to the standing committee	Suggestion Approved
3	20CC3306 "Vibration analysis and Control" subject add identification from frequency response and testing response.	Suggestions passed on to the standing committee	Suggestion Approved



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MECH - HiCET**





## Hindusthan College of Engineering and Technology

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Valley Campus, Pollachi Highway, Coimbatore, Tamilnadu



### Department of Management Sciences (MBA)

Date: 19.07.2021

#### Action Taken Report on BoS

The Seventh Board of Studies meeting of Regulation 2020 for the academic year 2021-2022 was conducted on 13.07.2021 at 12.30 pm via Google Meet (Link: <https://meet.google.com/qif-tdof-izk>).

#### 1. Syllabus revision

S.No.	Subject in which revision has been done	Percentage syllabus revised
1.	20BA3001 - Data Analysis and Business Modelling Lab	20%
2.	20BAX308 - Equity Research & Portfolio Management	20%
3.	20BAX309 - Financial & Insurance Services	40%
4.	20BAX310 - Banking Regulation & Services	80%
5.	20BAX311 - International Financial Management	20%
6.	20BAX316 - Industrial Relations & Labour Legislations	40%
7.	20BAX317 - Organizational Development	60%
8.	20BAX318 - International HRM	40%
9.	20BAX336 - Export Import Trade & Documentation	40%
10.	20BAX350 - Electronic Commerce.	60%



(i) **New courses Introduced:**

S.No	Regulation	Course code with name	Credits
1	2020	20BA3201-Strategic Management	3
2	2020	20BA3202-International Business Management	3
3	2020	20BA3001-Data Analysis and Business Modelling Lab	2
4	2020	20BA3701-Summer Internship	2
5	2020	20BA3702-Managerial Skill Development - III	1
6	2020	20BA3703-Online Certification/Conference Certification	1
7	2020	20BA4201-Indian Ethos and Values	3
8	2020	20BA4701-Project Internship	6
9	2020	20BA4702-Conference/Online/National/ International Certification Program	1
10	2020	20BAX301-Integrated Marketing Communication	3
11	2020	20BAX302-Customer Relationship Management	3
12	2020	20BAX303-Brand Management	3
13	2020	20BAX304-Retail Management	3
14	2020	20BAX305-Services Marketing	3
15	2020	20BAX306-Consumer Behaviour	3
16	2020	20BAX307-International Marketing	3
17	2020	20BAX308-Equity Research & Portfolio Management	3
18	2020	20BAX309-Financial & Insurance Services	3
19	2020	20BAX310-Banking Regulation & Services	3
20	2020	20BAX311-International Financial Management	3



21	2020	20BAX312-Financial Derivatives	3
22	2020	20BAX313-Behavioural Finance	3
23	2020	20BAX314-Personnel & Interpersonal Effectiveness	3
24	2020	20BAX315-Talent Management	3
25	2020	20BAX316-Industrial Relations & Labour Legislations	3
26	2020	20BAX317-Organizational Development	3
27	2020	20BAX318-International HRM	3
28	2020	20BAX319-Strategic HRM	3
29	2020	20BAX320-Manpower Planning, Recruitment, and Selection	3
30	2020	20BAX321-Team Dynamics at Work	3
31	2020	20BAX322- Data Visualization For Managers	3
32	2020	20BAX323- Business Intelligence	3
33	2020	20BAX324- Big Data Analytics	3
34	2020	20BAX325- Human Resource and Financial Analytics	3
35	2020	20BAX326- Marketing Analytics	3
36	2020	20BAX327-Innovation and Technology Management	3
37	2020	20BAX328-Lean and Agile Manufacturing Systems	3
38	2020	20BAX329-Total Quality Management	3
39	2020	20BAX330-Logistics and Supply Chain Management	3
40	2020	20BAX331-Operations Strategy	3
41	2020	20BAX332-Sales and Operations Planning	3
42	2020	20BAX333-Sourcing Management	3



43	2020	20BAX334-Quality Toolkit for Managers	3
44	2020	20BAX335-Logistics Management	3
45	2020	20BAX336-Export Import Trade & Documentation	3
46	2020	20BAX337-Supply Chain Management	3
47	2020	20BAX338-International Logistics & Shipping Management	3
48	2020	20BAX339-Supply Chain Analytics	3
49	2020	20BAX340-Design and Change in Organizations	3
50	2020	20BAX341-Planning, Structuring, and Financing Small Business	3
51	2020	20BAX342-Business Plan Preparation for Small Business	3
52	2020	20BAX343-Marketing for Small Business	3
53	2020	20BAX344 Finance and Accounting for Small Business	3
54	2020	20BAX345-Mass Communication	3
55	2020	20BAX346-Journalism	3
56	2020	20BAX347-Media Management and Public Relations	3
57	2020	20BAX348-Media Law and Ethics	3
58	2020	20BAX349-Media Production Planning & Management	3
59	2020	20BAX350-Electronic Commerce.	3
60	2020	20BAX351-System Analysis and Design	3
61	2020	20BAX352-Enterprises Resource Planning	3
62	2020	20BAX353-Business Analytics	3
63	2020	20BAX354-Software Project Management	3



64	2020	20BAX355-Tourism Management	3
65	2020	20BAX356-Tourism Marketing	3
66	2020	20BAX357-Event Management	3
67	2020	20BAX358-Travel Agency and Tour Operation	3
68	2020	20BAX359-Hospitality Management	3
69	2020	20BAX360-Hospital Operations Management	3
70	2020	20BAX361-Hospital Architecture Planning, Design & Maintenance	3
71	2020	20BAX362-International Health Management	3
72	2020	20BAX363-Public Health Systems and Health Insurance	3
73	2020	20BAX364-Health Care Laws and Ethics	3
74	2020	20BAX365-Hospital front office Management	3
75	2020	20BAX366-Entrepreneurship development	3
76	2020	20BAX367-Innovation Management	3
77	2020	20BAX368-Social Entrepreneurship	3
78	2020	20BAX369-Small Business Management	3
79	2020	20BAX370-Science and Technology Entrepreneurship	3
80	2020	20BAX371-Fertilizer Technology Management	3
81	2020	20BAX372-Management Of Agro Chemicals	3
82	2020	20BAX373-Management Of Floriculture And Landscaping	3
83	2020	20BAX374-Farm Power And Machinery Management	3
84	2020	20BAX375-Feed Business Management	3



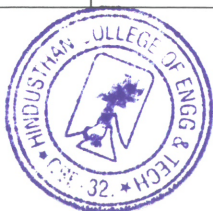
85	2020	20BAX376-Poultry And Hatchery Management	3
86	2020	20BAX377-Food Technology And Processing Management	3
87	2020	20BAX378-Fruit Production And Post-Harvest Management	3
88	2020	20LSX401-Entrepreneurship and Innovation	3
89	2020	20 ISX 402-Leadership and Management Skills	3
90	2020	20LSX403-Indian Ethos and Human Values	3

**(ii) Syllabus Revision:**

S. No	Subject in which revision has been done	Action taken	Percentage Syllabus Revised
1.	20BA3001- Data Analysis And Business Modelling Lab	Incorporated	20%
3.	20BAX309-Financial & Insurance Services	Modified	40%
4.	20BAX310- Banking Regulations and Services	Modified	80%
5.	20BAX311- International Financial Management	Incorporated	20%
6.	20BAX316- Industrial Relations and Labour Legislations”,	Modified	40%
7.	20BAX317- Organizational Development	Modified	60%
8.	20BAX318- International HRM	Modified	40%
9.	20BAX350- Electronic Commerce	Modified	60%
10.	20BAX336- Export Import Trade and Documentation	Modified	40%

**General Recommendations:**

Sl.No	Suggestion given in the BoS experts	Action taken
1	Introduce HR Analytics as a separate Course.	Considered



2	The practical exposure of student during the rural Immersion project is required.	Considered
3	Purchase of Plagiarism Tools and Software to check originality of Project and to promote original thinking among students	Considered
4	Introduce Taxation in Finance which can include GST, Direct tax, Indirect tax, Crypto currency as one credit course. Introduce Entrepreneur Finance as an Open elective for Engineering Students as an extra credit course.	Considered
5	Introduce an elective Paper named as Course of Independence study for 2 credits, where students have liberty to choose their mini project topic and their faculty. Can be evaluated with an external evaluation.	Considered
6	Ensure that the learning process is not disturbed as field work and internship in companies is not possible during pandemic.	Considered
7	Focus on Placement training is essential for students during this pandemic and online mode of classes.	Considered



  
Chairman

**Board of Studies**

**Chairman - BoS  
MBA - HiCET**



**Hindusthan College of Engineering And Technology**  
(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Approved by AICTE, New Delhi and Accredited with 'A' Grade by NAAC  
Valley Campus, Pollachi highway, Coimbatore - 641032



**DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

Date : 13.07.2021

**Action Taken Report on BoS**

The Board of studies meeting of the Department Computer Applications was conducted on 10.07.2021. The Board of studies members Reviewed Regulation 2020, Curriculum and Syllabus 2020 of Computer Applications for the academic year 2021 - 2022. This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

(i). **Syllabus Revision for the Regulation 2020**

<b>S.NO</b>	<b>Course Name</b>	<b>Action Taken</b>	<b>Percentage of Revision</b>
1	21CA1201 - UI Design & Development	Modified	3%
2	21CA1202 - Computer Networks	Modified	20%
3	21CA1203 - Java Programming	Modified	20%
4	21CA1204 - Database Management Systems	Modified	20%
5	21CA1002 - DBMS Lab	Modified	10%
6	20CA3201 - Big Data Analytics	Modified	65%
7	20CA3202 - Operating System	Modified	20%

**Overall Percentage of revision made in the BoS : 36.8 %**

(ii) **New courses Introduced:**

<b>S.NO</b>	<b>Regulation</b>	<b>Course code with Name</b>	<b>Credits</b>
1	2020	20CA3201-Big Data Analytics	4
2	2020	20CA3202-Operating Systems	4
3	2020	20CA3203 – Web Development	4
4	2020	20CA3204 – Artificial Intelligence	3

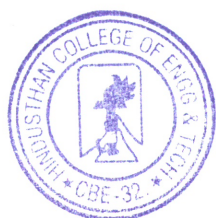


5	2020	20CA3571-L/S/MOOC	2
6	2020	20CA3001-Mini Project Lab	1.5
7	2020	20CA3002 - Web Development Lab	1.5
8	2020	20CA3301- Block Chain	3
9	2020	20CA3302-Cloud Computing	3
10	2020	20CA3303-Cryptography and Network Security	3
11	2020	20CA3304-Deep Learning	3
12	2020	20CA3305-E- Commerce	3
13	2020	20CA3306-Mixed Reality	3
14	2020	20CA3307-Organizational Behaviour	3
15	2020	20CA3308-Research Methodology	3
16	2020	20CA3309-Semantic Web Services	3
17	2020	20CA33XX - Professional Elective -I/ NPTEL / EDX	3
18	2020	21CA1203 - Java Programming	4
19	2020	21CA1001 - Java Programming Lab	3
20	2020	21CA1291 - PoP& OOPS	0
21	2020	21CA1292 - Fundamentals Of Web Designing	0
22	2020	21CA2091 - PoP& OOPS LAB	0

S. No	Suggestion given by BOS experts	Action Taken
1.	Suggested to include Real time applications in Computer Networks paper.	Incorporated
2.	Suggested to reduce the content of unit II in Java Programme paper. And frames and applets to be moved to unit 5	Incorporated
3.	Suggested to add NoSQL in Unit 5 of Database Management System paper instead of blockchain	Incorporated



4.	Suggested include software installation process as a program in DBMS lab instead of Block chain program.	Incorporated
5.	Suggested to include Design frame work topics to be included in UI design and development paper.	Incorporated
6.	Suggested to implement Unit II(Mining Data Streams) of Big Data Analytics paper using Spark. And also, to reduce the entire content of Big Data Analytics.	Incorporated
7.	Experts suggested to include Virtualization topic in Operating Systems paper. Suggested to include File system and Windows/ Linux/ MAC OS case study in OS paper.	Incorporated
8.	BoS members suggested to reduce the syllabus of AI paper and to include NLP and image processing as a unit.	Incorporated
9.	Suggested to give Professional Ethics paper as core paper	-
10.	Suggestion was given to revamp the Syllabus of Mixed Reality paper to add more topics in Augmented Reality.	Incorporated
11.	Suggested to give Research Methodology paper to students of all semester.	Incorporated
12.	Suggested to include E-Learning Techniques instead of Principles of Programming Languages.	Incorporated
13.	Suggested to combine programming in C and OOPs as a single paper(PoP& OOPs) and to include a new paper instead of OOPs inthe bridge course of even sem.	Incorporated
14.	Suggested to include Fundamentals of web Designing in the bridge course.	Incorporated



*A. S. Jayal*  
**Chairman**  
**Board of Studies**  
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**MCA - HICET**



## Hindusthan College of Engineering and Technology

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Valley Campus, Pollachi Highways, Coimbatore, Tamil Nadu.



### DEPARTMENT OF MASTER OF APPLICATIONS

Date: 2.02.2022

#### Action Taken Report on BoS

The Board of studies meeting of the Department Computer Applications was conducted on 29.01.2022. The Board of studies members Reviewed Regulation 2020, Curriculum and Syllabus 2020 of Computer Applications for the academic year 2021– 2022(Even Sem). This report consolidates the findings of the panel and the suggestions and area of improvements possible in the future put forth by the panel.

#### Syllabus Revision for the Regulation 2020

S.NO	Course Code	Course Name	Action Taken	Percentage of Revision
1	21CA2202	Artificial Intelligence	Modified	20%
2	21CA2203	Python Programming	Modified	10%
3	21CA2001	Python Programming Lab	Modified	10%
4	21CA2308	BlockChain Technologies	Modified	20%
5	21CA2291	Software Engineering	Modified	20%
6	21CA2292	Operating System	Modified	20%

**Overall Percentage of revision made in the BoS : 30 %**

#### (ii) New courses Introduced:

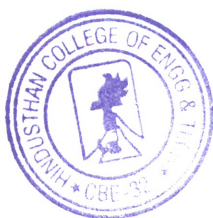
S.NO	Regulation	Course code with Name	Credits
1	2020	20CA4901-Project Work	14



S. No	Suggestion given by BOS experts	Action Taken
1.	Suggested to rename Basics of Electronics as Basics of Embedded System.	Incorporated
2.	Suggested to include latest reference books for Data Structures and Algorithms paper. And also suggested to include Data Structures using Java and Python as reference books.	Incorporated
3.	Suggested to reduce the content of Artificial Intelligence paper by removing the content of unit IV. It was suggested to remove fuzzy logic topic from Artificial Intelligence paper and to retain NLP and Expert System topics.	Incorporated
4.	Suggested to include Design Thinking Paper in any one of the semesters	Not Incorporated
5.	Experts suggested to include Django as one topic in Python Programming paper. It was suggested to include scenario development in python programming Lab	Incorporated
6.	Suggested to move Block chain paper from Professional electives of third semester to professional electives of second semester. BoS members also suggested to reduce the content of unit IV and V of Block Chain – Elective paper	Incorporated
7.	Experts suggested to remove unit V of Software Engineering paper and revamp the syllabus for the same.	Incorporated
8.	Suggested to reduce the syllabus of Operating System paper.	Incorporated

The following recommendations given by stakeholders are considered and incorporated.

1. Include spark topics in big data paper, including virtualization in OS.
2. Suggested to reduce content of AI paper
3. Include more in DBMS



*A. S. Jafar*  
Chairman  
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