



Hindusthan College of Engineering and Technology

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

DEPARTMENT OF MECHATRONICS ENGINEERING

MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **Mechatronics Engineering**

Date:31.05.2023

The Eleventh Board of Studies meeting of regulation R2022 for the academic year 2023-2024 Odd Semester was conducted on 30.05.2023 at 10.30a.m. in Simulation Lab, Hindusthan College of Engineering and Technology.

The following members were present:

S.No.	Name of the Member	Position
1.	Dr. P.T.Saravanakumar Professor & Head, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Chairman
2.	Dr.S.Periyasamy Associate Professor, Department of Mechanical Engineering, Government of Technology, Coimbatore	University Nominee
3.	Dr.M.Poongothai Associate professor, Department of Electronics and communication Engineering, Coimbatore Institute of Technology, Coimbatore	Academic Expert
4.	Dr.S.Saravanan Professor & Associate Dean – Autonomous Functioning, Department of Production Engineering, PSG College of Technology, Coimbatore.	Academic Expert
5.	Mr.C.Manivel Prabhu Director Microtome Automation Pvt Ltd, Chinnavedampatti, Coimbatore - 641009	Industry Expert
6.	Dr.A.Arockia Rajan Professor Solid Mechanics Division, Department of Applied Mechanics, Indian Institute of Technology Madras, Chennai – 600 036.	Member from QS Rated Institution
7.	Dr.B.Paulchamy Professor and Head, Department of Electronics and communication Engineering Hindusthan College of Technology, Coimbatore	Member from Sister Concern (HiTech)
8.	Dr.T.Vandarkuzhali Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Internal Member



9.	Dr.R.Madhusudhanan Associate Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Internal Member
10.	Dr.Pradeep Johnson Associate Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Internal Member
11.	Mr.S.PremAnand Assistant Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Internal Member
12.	Mr.C.P.Jeyakishan Chief Executive Engineer, MEG, Ganapathy, Coimbatore-641006	Alumni Member
13.	Mr.Sufyan Ahmed Third year Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Student Member

- The Chairman welcomed University nominee, Subject experts, special invitees and all the internal members for the Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2019& 2022 to all the BoS members
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Department Advisory Committee (DAC).
- The feedback received on curriculum by the stakeholders was presented.
- As per the direction of Curriculum Development Cell (CDC), B.Tech honor courses of single vertical can be reframed to three verticals for the R2022 & R2019 (Batch 2021-2025) and also we introduce for minor degrees for R2019 (Batch 2021-2025).
- Curriculum & Syllabus for the courses to be passed in the 2023-2024 odd semester.
- Syllabus offered for the Minor degree and Honour degree (5th Semester only) by the individual U.G Programme under Regulation 2019 for the batch admitted during 2021-22
- Employability Enhancement Courses can be update in R2022 curriculum
- Vision & Mission of the department are discuss to reframe according to the PEO.
- Skill Enhancement courses are opted as a value-added course in upcoming Odd/Even Semester
- Followed by, Chairman presented the suggestions given by the BoS experts and the action taken report during the Previous BoS meeting, which was held during 10.02.2023, was approved.



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

1. For R2022“22MT3201 -Industrial Motor Control” Case Study should be added in unit IV
2. For R2022 “22MT3251 -Manufacturing Process” In unit V, remove unconventional machining processes topics and add some case studies on manufacturing the product like agricultural farm Equipments, Erection of boilers, sports products.
3. For R2019 (Batch 2021-2025) & R2022 – Thermal Engineering Honours degree vertical may be replaced with Applied Robotics vertical as per anna university curriculum.

General Recommendations:

1. Chairman conveyed that; the Suggestions given by the Board of Studies members to be incorporated in R2022.
2. Course objectives and Course Outcomes should be follow the bloom’s Taxonomy.
3. Chairman conveyed about the Consideration of MOOC courses like NPTEL/Coursera / Edx etc as Additional credit courses so that students can get wide exposure on knowledge sharing.

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

The syllabi of III semester of the UG Programmes for the students admitted during the academic year 2022-2023 and onwards was passed by S&H Board of studies and permitted to move on Academic Council.

Chairman conveyed that, suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks to the chair at 1.00 pm.

Roxanne
Chairman

(Board of studies)
Chairman - BoS
MCT - HiCET

Enclosure:

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



Copy:

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





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DEPARTMENT OF MECHATRONICS ENGINEERING

MINUTES OF BOARD OF STUDIES MEETING

Name of the Department: **Mechatronics Engineering**

Date: 29.11.2023

The Twelfth Board of Studies meeting of regulation R2022 for the academic year 2023-2024 Even Semester was conducted on 28.11.2023 at 10.30a.m.in board room,Hindusthan College of Engineering and Technology.

The following members were present:

S.No.	Name of the Member	Position
1.	Dr. P.T.Saravanakumar Professor & Head, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Chairman
2.	Dr.S.Periyasamy Associate Professor, Department of Mechanical Engineering, Government of Technology, Coimbatore	University Nominee
3.	Dr.M.Poongothai Associate professor, Department of Electronics and communication Engineering, Coimbatore Institute of Technology, Coimbatore	Academic Expert
4.	Dr.S.Saravanan Professor & Associate Dean – Autonomous Functioning, Department of Production Engineering, PSG College of Technology, Coimbatore.	Academic Expert
5.	Mr.Gomathinayagam Deputy General manager, Design & Analysis Product Development Centre,, Larsen & Toubro, Coimbatore - 641044	Industry Expert
6.	Dr.A.ArockiaRajan Professor Solid Mechanics Division, Department of Applied Mechanics, Indian Institute of Technology Madras,Chennai – 600 036.	Member from QS Rated Institution
7.	Dr.B.Paulchamy Professor and Head, Department of Electronics and communication Engineering Hindusthan College of Technology, Coimbatore	Member from Sister Concern (HiTech)
8.	Dr.T.Vandarkuzhali Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Internal Member



9.	Dr.R.Madhusudhanan Associate Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Internal Member
10.	Dr.Pradeep Johnson Associate Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Internal Member
11.	Mr.S.PremAnand Assistant Professor, Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Internal Member
12.	Mr.C.P.Jeyakishan Chief Executive Engineer, MEG, Ganapathy, Coimbatore-641006	Alumni Member
13.	Mr.Sufyan Ahmed Third year Department of Mechatronics Engineering, Hindusthan College of Engineering and Technology, Coimbatore	Student Member

- The Chairman welcomed University nominee, Subject experts, special invitees and all the internal members for the Board of Studies meeting.
- The chairperson briefly explained the Salient features of Regulation 2019& 2022 to all the BoS members
- Chairman also gave an outline of the changes to be made in the curriculum given by the Curriculum Development Cell (CDC) & Department Advisory Committee (DAC).
- The feedback received on curriculum by the stakeholders was presented.
- As per the direction of Curriculum Development Cell (CDC), B.Tech honor courses of single vertical can be reframed to three verticals for the R2022 & R2019 (Batch 2021-2025) and also we introduce for minor degrees for R2019 (Batch 2021-2025).
- Curriculum & Syllabus for the courses to be passed in the 2023-2024 Even semester.
- Syllabus offered for the Minor degree and Honour degree (6th Semester only) by the individual U.G Programme under Regulation 2019 for the batch admitted during 2021-22
- Employability Enhancement Courses can be update in R2022 curriculum
- Vision & Mission of the department are discussing to reframe according to the PEO.
- Skill Enhancement courses are opted as a value-added course in upcoming Odd/Even Semester
- Followed by, Chairman presented the suggestions given by the BoS experts and the action taken report during the Previous BoS meeting, which was held during 30.05.2023, was approved.



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

1. For R2022“22MT4201 - Processor and controller”, insert Temperature Controller using 8085- Keyboard / Display Controller 8279: Pin diagram- Architecture- Interfacing 8279 with 8085.
2. For R2022 “22MT4202- Metrology and Measurements” In unit V Force Measurements in Industrial Applications topics replaced by A Case Study of Metrology in Pharmaceutical Industry.
3. For R2022 “22MT4203- Theory of machines” In Unit 3 force analysis to be removed, Unit 1 cams to be separate unit with recent applications and Unit 2, gears and gear trains are consider as unit 3.

General Recommendations:

1. Chairman conveyed that; the Suggestions given by the Board of Studies members to be incorporated in R2022.
2. Course objectives and Course Outcomes should be follow the bloom’s Taxonomy.
3. Chairman conveyed about the Consideration of MOOC courses like NPTEL/Coursera / Edxetc as Additional credit courses so that students can get wide exposure on knowledge sharing.

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

The syllabi of IV semester of the UG Programmes for the students admitted during the academic year 2022-2023 and onwards was passed by S&H Board of studies and permitted to move on Academic Council.

Chairman conveyed that, suggestions given by the Previous Board of Studies members are ratified and resolved.

The meeting ended with thanks to the chair at 12.30 pm.



Roxana
Chairman

(Board of studies)
Chairman - BoS
MCT - HiCET

Enclosure:

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

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