

## DEPARTMENT OF MECHATRONICS ENGINEERING MINUTES OF THE THIRD MEETING OF BOARD OF STUDIES

**Venue** : Teleconference mode-Google Meet

**Date** : 21.01.2021

**Time** : 11:30 AM

### Members Present:

S. No.	Name and Designation	Position in Committee
1.	<b>Dr.K.Manikanda Subramanian,</b> Professor & Head of the Department Department of Mechatronics Engineering, Coimbatore Institute of Engineering & Technology, Coimbatore.	Chairman
2.	<b>Dr.P.K.Palani,</b> Professor, Department of Mechanical Engineering, Government College of Engineering, Bargur, Krishnagiri.	University Nominee
3.	<b>Dr.B.Vinod,</b> Professor & Head Department of Robotics and Automation Engineering, PSG College of Technology, Coimbatore..	Subject Expert
4.	<b>Dr.Sanjivi Arul,</b> Associate Professor, Department of Mechanical Engineering, Amrita Vishwa Vidyapeetham School of Engineering, Coimbatore.	Subject Expert
5.	<b>Mr.T.Viswanathan,</b> Chief Technical Officer, Maxbyte Technologies, Coimbatore.	Industry Representative
6.	<b>Mr.R.Velkumar,</b> Senior IoT Engineer, Maxbyte Technologies, Coimbatore.	Alumni
7.	<b>Mr.K.Senthilkumar,</b> Assistant Professor, Department of Mechatronics Engineering,	Member

	Coimbatore Institute of Engineering & Technology, Coimbatore.	
8.	<b>Mr.B.Avinash,</b> Assistant Professor, Department of Mechatronics Engineering, Coimbatore Institute of Engineering & Technology, Coimbatore.	Member
9.	<b>Mr.M.Mohandass,</b> Assistant Professor, Department of Mechatronics Engineering, Coimbatore Institute of Engineering & Technology, Coimbatore.	Member
10.	<b>Ms.S.Sharmila</b> Assistant Professor, Department of Mechatronics Engineering, Coimbatore Institute of Engineering & Technology, Coimbatore.	Member
11.	<b>Mr.V.Arunprasath</b> Assistant Professor, Department of Mechatronics Engineering, Coimbatore Institute of Engineering & Technology, Coimbatore.	Member
12.	<b>Ms.J.Lidwina Jennifer</b> Assistant Professor, Department of Mechatronics Engineering, Coimbatore Institute of Engineering & Technology, Coimbatore.	Member
13.	<b>Mrs.H.Illakiah,</b> Assistant Professor, Department of Mechatronics Engineering, Coimbatore Institute of Engineering & Technology, Coimbatore.	Member
14.	<b>Mr.R.Parthiban,</b> Assistant Professor, Department of Mechatronics Engineering, Coimbatore Institute of Engineering & Technology, Coimbatore.	Member

**Agenda:**

- i. Approval of Syllabi for the categories Professional Core (PC) and Professional Elective (PE) for regulation 2019 under CBCS for the batch of students to be admitted in the academic year 2019-20 onwards.
- ii. Approval of fourth semester syllabi for the second year students admitted in the academic year 2019-20 under Regulation 2019.

iii. Any other matter with the permission of the chair.

The meeting commenced with welcome address by the Chairman, Dr.K.Manikanda Subramanian. Then various items of agenda were taken up for discussion and after detailed discussion, the following suggestions were given by the members of board of studies.

- i. Course objectives may describe learning goals and course outcomes may describe the purpose of the study
- ii. Latest version of text books and reference books to be followed and the same to be updated in the syllabus
- iii. The following corrections to be done in the syllabus of the course “ Manufacturing Technology”
  - Unit 4 title to be changed as per the topics present in the syllabus
  - Include the following topics: introduction to CNC, Additive Manufacturing, Smart Manufacturing, Flexible Manufacturing System
  - Welding and foundry related experiments can be included in the laboratory syllabus
- iv. The following corrections to be done in the syllabus of the course “ Sensors and Instrumentation”
  - Unit 4 title may be changed as per the topics present in the syllabus
  - Include the following topics: RFID, Vibration sensor, Dynamometer, IOT Sensors
  - Setting up project oriented laboratory if possible
- v. The following corrections to be done in the syllabus of the course “Kinematics and Dynamics of Machinery”
  - The topic “Tensegrity Table” can be included in the syllabus
  - Text book titled “507 mechanical movements” can be included in the reference books
  - Projects related to kinematic mechanisms can be given to students
- vi. The following corrections to be done in the syllabus of the course “Thermodynamics and Heat Transfer”
  - Unit 4 and Unit 5 positions to be interchanged
- vii. The following corrections to be done in the syllabus of the laboratory course “ Computer Aided Machine Drawing”
  - List of CAD modeling software packages can be included in the syllabus
  - Open source modeling software “FreeCAD” can be used for doing laboratory experiments

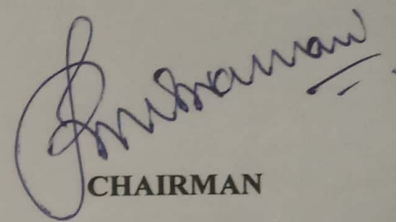
After much deliberations, the following resolutions were passed.

**Item 1.1:** Resolved to approve the Syllabi for the categories Professional Core (PC) and Professional Elective (PE) for regulation 2019 under CBCS for the batch of students to be admitted in the academic year 2019-20 onwards.

**Item 1.2:** Resolved to approve the syllabi of fourth semester syllabi for the second year students admitted in the academic year 2019-20 under Regulation 2019.

Since there were no other points to be discussed, the Chairman thanked all the members of the Board of Studies for their active participation, valuable suggestion and contribution made for recommending the syllabi for the categories Professional Core (PC) and Professional Elective (PE) for regulation 2019.

The meeting concluded by 12.30 P.M.



**CHAIRMAN**

Dr. K: MANIKANDA SUBRAMANIAN, M.E., Ph.D.,  
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