

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

**Venue** : Teleconference mode-Google Meet

**Date** : 20.08.2020

**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 Engineering Sciences(ES) for regulation 2019 under CBCS for the batch of students to be admitted in the academic year 2019-20 onwards.
- ii. Approval of third 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 outcomes may describe an observable action
- ii. Course 'Embedded Systems' may be included in the curriculum
- iii. Inclusion of group projects in lab integrated subjects
- iv. Latest version of text books to be followed and the same to be updated in the curriculum
- v. Tabular column in text book portion in curriculum is not needed
- vi. The second course outcome of the subject 'Electrical Machines' is to be modified
- vii. Unit 5 of the subject 'Electrical Machines' can be changed
- viii. Overlapping of the syllabus for the subjects PLC & automation and Fluid power systems is possible
- ix. Fluid Mechanics Lab experiments title can be corrected
- x. Experimental set up for Fluid Mechanics Lab
- xi. Identification of simulation software's for the subject 'Fluid Mechanics' for online simulation
- xii. The following corrections to be done in the syllabus of the course 'Electrical Machines'
  - Elaborate the topics servo motors and drives
  - Include the topics: Industrial drive selection, Specifications, size, Interfacing and conditions
  - More servomotor related topics can be added in unit 5
- xiii. The software programming subjects 'JAVA' and 'Python' may be included in the curriculum to match the industrial need
- xiv. Soft skill training and skill improvement programs to be conducted regularly
- xv. IOT fundamentals to be taught in earlier semester subjects
- xvi. Include IOT topics in the subjects like electrical systems, Manufacturing technology
- xvii. An additional project work may be added in the curriculum

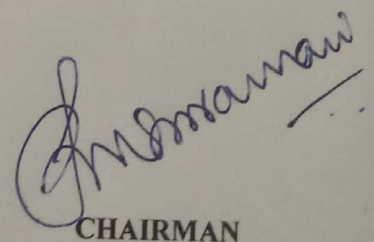
After much deliberations, the following resolutions were passed.

**Item 1.1: Resolved** to approve the Syllabi for the categories Professional Core(PC) and Engineering Sciences(ES) 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 third 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 Basic Sciences(BS) and Engineering Sciences(ES) for regulation 2019.

The meeting concluded by 12.30 P.M.



CHAIRMAN

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