COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE
(Government Aided Autonomous Institution)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF THE MEETING

DATE: 05.07.2021

The Board of Studies (BoS) meeting of the department **- Electrical and Electronics Engineering** was held on **22.06.2021, Tuesday by 03.45 P.M** through online mode in **Gmeet** (Meeting URL: https://meet.google.com/ggu-qqmn-mor) with the members nominated as follows.

NAME AND DESIGNATION OF THE MEMBERS
CHAIRPERSON-BOS
Dr.S.Vasantharathna,   Professor and Head,   Department of EEE,   Coimbatore Institute of Technology,   Coimbatore -641 014
UNIVERSITY NOMINEE
Dr.A. Arunya Revathi   Professor,   Department of EEE,   Alagappa Chettiar college of Engineering and Technology,   Karaikudi – 630 003.   Tamilnadu, India   Ph : +91 9443502182   E-mail: arunyarevathi_eee@yahoo.co.in
SUBJECT EXPERTS
Dr.K.Selvi, **(Pre-Occupied)**   Professor,   Electrical and Electronics Engineering Dept,   Thiagarajar college of Engineering,   Madurai-625 015,   off-04522482240   Ph: 9443804920   Email : kseee@tce.edu
Dr.M.P.Selvan   Associate Professor,   Department of EEE   National Institute of Technology,   Tiruchirappalli -620015,   Tamilnadu, India   Ph: + 91-431-250 3262   Email : selvanmp@nitt.edu

INDUSTRY EXPERTS	
Dr. M. Sathish Senior Scientist Electrochemical Power Sources Division CSIR- CECRI Karaikudi – 630003 Tamilnadu, India Ph: +91-7598295994 Email : msathish@cecri.res.in	
Dr.S.Kudiyarasan.,M.E.,Ph.D., Scientific Officer / E, Electrical Group, Bharatiya Nabhikiya Vidyut Nigam Limited (Bhavini), (A Government of India Enterprise), Department Of Atomic Energy(DAE) Kalpakkam -603102, Tamilnadu, India Ph: 9445022941, OFF : 044-27480956, OFF : 044-27480900-38724 Email: kudiyarasan@rediffmail.com	

INTERNAL AND CO-OPTED MEMBERS

S.No	Name of the Members	S.No	Name of the Members
1	Dr.V.Manikandan	14	Mr.S.Nanda Kumar **(Pre-Occupied)**
2	Dr.E.Chandira Sekaran	15	Dr.R.Rajalakshmi
3	Dr.S.Suja	16	Ms.M.Mynavathi
4	Dr.J.Devi Shree	17	Dr. M. Packia Sudha
5	Dr.S.Elango	18	Ms. M. Radha
6	Dr.S.Geetha	19	Ms.S.Rathna Priya
7	Dr. G. Manavaalan	20	Dr. K. Suresh
8	Ms.D.Prema	21	Ms.M.L.Merlin sajini
9	Ms.K.Vanithamani	22	Mr.P.Vinodkumar
10	Ms.P.Devaki	23	Mr.B.Vasanthan
11	Dr.A.Kavithamani	24	Ms. K. Arthi
12	Ms. A. Priyadharshini	25	Ms.E.Suganya
13	Dr.S.Gunasekaran		
CO-OPTED MEMBERS			
26	Ms.C.Christina **(on Maternity Leave)**	27	Mr.R.Chandrasekar

- The Chairperson Dr. S. Vasantharathna welcomed the members of the Board of Studies for finalizing the following agendas:
  - ➤ UG (Electrical and Electronics Engineering) curriculum and syllabi contents for 7th and 8th semester subjects of study.
  - ➤ Syllabi contents for elective subjects and new elective courses.

- ➢ Syllabi for newly included One Credit Courses - 19EEOC08- Machine Vision, 19EEOC09-Cyber Security in Manufacturing and Smart Grid, 19EEOC10 - Robotics and automation and 19EEOC11- Abnormal psychology.

- ➢ Curriculum structure for B.E. Part Time Course for 3rd and 4th Semester subjects of study.

- Dr.V.Manikandan briefed on the curriculum and syllabi of 7th and 8th semester in UG full time R 2019 regulation and Syllabi contents for elective subjects and new elective courses.

- Dr.R.Rajalakshmi presented the curriculum for the 7th and 8th semester in UG full time R 2019 regulation.

- Dr.A. Arunya Revathi and other Board members expressed their views on **Professional Competency** course (GATE syllabus Test series / Industrial Training) offered in 7th semester and suggested to conduct regular periodic evaluation.

- Dr.S.Kudiyarasan clarified about the assessment of industrial training by the students.

- The Chairperson, Dr. S. Vasantharathna explained about the proposing methods of **Professional Competency** course as Test series of GATE Exam syllabus for PG aspirants or as Industrial Training for aspirants of career in non-engineering fields like management etc., and for slow learners.

- Selection of the option between test series of GATE Exam syllabus and Industrial Training will be done through Google forms distributed to the students.

- Dr.V.Manikandan discussed the Industrial Training acquisition and evaluation procedures by assigning individual mentor to each student to facilitate industry selection and further progression.

- Dr.S.Kudiyarasan appreciated about the allocation of mentor for each student for Industrial Training **Professional Competency** course.

- Dr.M.P.Selvan suggested to form a three member committee for assessing the Industrial Training.

- Dr.R.Rajalakshmi presented the syllabi for the 7th and 8th semester and elective courses in UG full time R 2019 regulation.

- Dr.S.Kudiyarasan suggested to include fuzzy based controllers as syllabus contents in the course **19EE71-Solid State Drives and Control** and charging station contents in the course **19EE73-Smart Grid**.

- Dr.S.Elango explained about the new experiments included in **Automation, Renewable Energy and FPGA Laboratory** under the topic Renewable Energy, Dr.S.Geetha explained about FPGA

Programming experiments and Dr.G.Manavalan explained about the experiments under Automation lab.

- Dr.A. Arunya Revathi and other board members expressed their views on elective lab-**Automation, Renewable Energy and FPGA Laboratory** that it can be divided into two separate lab courses as 1. Automation lab and 2. Renewable energy and FPGA Programming lab in order to reduce the overloading of experiments as single lab course.

- Dr.A. Arunya Revathi suggested to include related topics of lab experiments listed in **Automation, Renewable Energy and FPGA Laboratory** like "python programming" may be in the theory contents or may be offered as one credit courses.

- Dr. S. Vasantharathna and Mrs. M. Radha explained that python programming concepts were already included in the one-credit course **19EEOC08-Machine Vision**, which was taught by Tata Consulting Services Pvt Ltd for 2019-2023 batch students. Therefore it may be exempted for 2019-2023 batch students.

- Dr.A. Arunya Revathi suggested to streamline the students for the selection of elective streams and to add more elective courses in Electrical Machines and Control (EMC) professional elective stream.

- All the board members approved the syllabus contents for revised elective courses from R2015 regulation and new electives which are listed below in R2019.

S.No	New Elective Course Title	Stream code
1.	Energy Efficiency in Thermal and Electrical Utilities	P & E – Power and Energy
2.	Deep Learning	CC – Computer Communication
3.	Automation, Renewable Energy and FPGA Laboratory	Elective Lab

- Dr. M. Sathish suggested that futuristic elective courses be included to address future industry needs.
- Dr. S. Vasantharathna discussed about the institution autonomy rights, which include the ability to add new electives and change the syllabus content of electives as needed throughout the academic year.

- All the board members acknowledged to retain the syllabus contents of certain electives from R2015 without any modification as it were preapproved in R2015 BoS meetings.

- Dr.V.Manikandan briefed on the curriculum structure for B.E. Part Time Course for 3rd and 4th Semester subjects of study.

- Dr.M.P.Selvan suggested that the courses Transmission and Distribution and Power System Analysis should not be taught in the same semester, so he proposed moving **19EE45- Transmission and**

Distribution to the third semester and **19EE43-Measurements and Instrumentation** to the fourth semester in the B.E. Part Time curriculum structure.

- All the board members suggested to use the PO's, PEO's and CO's framing keywords as per Bloom's Taxonomy metrics.

- Dr. S. Vasantharathna recommended that, based on expert members' suggestions, the updated CO and its mapping with PO, PSO, and PEO is presented at the next BoS meeting.

At last, Chairperson concluded the meeting with the main points discussed in the forum which is used to enhance the knowledge and skill of the students as per the current industry scenario. Finally she thanked all the members and welcomed further suggestions from all the members through email.

Dr. S. Vasantharathna

Chairperson - BoS

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