## MINUTES OF THE MEETING

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| Name of the meeting | : | Board of Studies Meeting (Online via Google meet), ECE Department |
| Date of the meeting | : | 22nd June 2021 |
| Time | : | 4.30 P.M |
| Duration | : | 1 ½ Hour |

The following points were discussed:

1. Revised Syllabus, based on CDIO framework, for the courses '18EC231 Electronic Devices' and New Syllabus for Engineering science course '21ES240 Electronic Materials' in II semester of B.E (ECE) programme for the students admitted from the Academic year 2021-22 onwards.

2. Syllabus, based on CDIO framework, for the core course '18EC710 Consumer Electronics' and project course '18ES790 Capstone Design Project' in VII semester of B.E (ECE) programme for the students admitted from the Academic year 2018-19 onwards.

3. Syllabus, based on CDIO framework, for the course under the category "Programme Elective for Expanded Scope" for B.E (ECE) programme for the students admitted from the Academic year 2018-19 onwards.

4. Syllabus, based on CDIO framework, for the industry supported courses for B.E (ECE) programme for the students admitted from the Academic year 2018-19 onwards.

5. Scheduling of courses (prepared based on various meetings with ALUMNI), based on CDIO framework, for B.E (ECE) programme for the students to be admitted from the Academic year 2022-23 onwards.

6. Categorization of courses in Choice Based Credit System (CBCS) for B.E (ECE) programme for the students admitted from the Academic year 2018-19 onwards and 2021-22 onwards.

7. Scheduling of courses, based on CDIO framework, for B.E (ECE) programme for the students admitted from the Academic year 2018-19 onwards and 2021-22 onwards.

8. Any other matter

### Attended by:

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| Dr.S.Rajaram | Chairman, Board of Studies (ECE) / Professor and Head of ECE Department, TCE, Madurai |
| Dr. Balaji Srinivasan | Professor, Department of EE, Indian Institute of Technology Madras |
| Dr.D.Sriram Kumar | Professor, Department of ECE, National Institute of Technology Trichy |
| Dr.T.Purusothaman | Professor, Department of ECE, Govt. College of Technology, Coimbatore |
| Mr.P.Chinnadurai | Sr. Project Leader, Jasmine InfoTech Pvt. Ltd., Chennai |

**Faculty Members:**

1. Dr.S.J.Thiruvengadam — Professor, ECE and Dean (Academic Process)
2. Dr.B.Manimegalai — Professor
3. Dr.S.Md. Mansoor Roomi — Professor
4. Dr.S.Kanthamani — Associate Professor
5. Dr.K.Hariharan — Associate Professor
6. Dr.M.S.K. Manikandan — Associate Professor
7. Dr B. Yogameena — Associate Professor
8. Dr B. Sathyabama — Associate Professor
9. Dr.M.N.Suresh — Assistant Professor
10. Dr K. Rajeswari — Assistant Professor
11. Dr N.B. Balamurugan — Associate Professor
12. Dr.V.Vinoth Thyagarajan — Assistant Professor
13. Dr G. Ananthi — Assistant Professor
14. Dr E. Murugavalli — Assistant Professor
15. Dr.K.Vasudevan — Assistant Professor
16. Dr.D.Gracia Nirmala Rani — Assistant Professor
17. Dr P.G.S. Velmurugan — Assistant Professor
18. Dr.V.R. Venkatasubramani — Assistant Professor
19. Mr M.Senthilnathan — Assistant Professor
20. Dr.M.Mahendran — Professor and Head (In-charge) / Physics Department

## Action Plan

| # | Points Discussed | | Responsibility | Target date |
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| 1. | Agenda of the Meeting | Dr.S.Rajaram welcomed the members of the Board of studies and presented the Agenda of the meeting. Dr.V.R.Venkatasubramani displayed the statement of Vision, Mission, Programme Educational Objectives, Programme Outcomes, Programme Specific Outcomes of the B.E (ECE) programme. Also Dr.V.R.Venkatasubramani displayed the Scheduling of Courses and Courses of Study. | - | - |
| 2. | 21EC240 Electronic Materials | Dr.M.Mahendran presented the course and the syllabus has been passed for approval in Academic council meeting. The following changes are suggested:<br>• The syllabus seems to be quite advanced for II semester students. Therefore, this syllabus can be finalized after discussion with the students.<br>• This course can be also offered as Engineering sciences elective in VI semester with suitable modification. | Dr.M.Mahendran | 28.06.21 |
| 3. | 18EC231 Electronic Devices | Dr N.B. Balamurugan presented the revised syllabus of the course and the same has been passed for approval in Academic council meeting. The following suggestions were given:<br>• Complete Module -1 syllabus within the first two weeks of classes. | Dr N.B. Balamurugan | 28.06.21 |
| 4. | 18EC710 Consumer Electronics | Dr S.Md. Mansoor Roomi presented the course and the syllabus has been passed for approval in Academic council meeting. The following changes are suggested:<br>• At a system level perspective, the syllabus may include controller, actuators, sensors and connectivity.<br>• Topic on VOIP, sound bar may be included in the syllabus. | Dr S.Md. Mansoor Roomi | 28.06.21 |
| 5. | 18ECRC0 Multimedia Compression Techniques | Dr B. Sathyabama presented the course and the syllabus has been passed for approval in Academic council meeting. The following changes are suggested:<br>• It has to be ensured that there is no repetition of topics as compared with 18EC260 Image Processing syllabus. | Dr B. Sathyabama | 28.06.21 |
| 6. | 18ECRD0 Signal Processing in 5G NR | Dr M.N. Suresh presented the course and the syllabus has been passed for approval in Academic council meeting without change. | - | - |
| 7. | 18ECRE0 Algorithms for VLSI Design Automation | Dr.D.Gracia Nirmala Rani presented the course and the syllabus has been passed for approval in Academic council meeting without change. | - | - |
| 8. | 18ECRF0 Low Power VLSI Design | Dr.V.Vinoth Thyagarajan presented the course and the syllabus has been passed for approval in Academic council meeting. The following changes are suggested:<br>• Recent edition books can be identified and included in the Learning resources. | Dr.V.Vinoth Thyagarajan | 28.06.21 |
| 9. | 18EC1A0 Field Tests for a 5G Future | Dr.S.Kanthamani presented the course and the syllabus has been passed for approval in Academic council meeting without change e. | - | - |

| # | Points Discussed | Action Plan | Responsibility | Target date |
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| 10. | 18EC1B0 Deep Learning with Tensorflow | Dr B. Yogameena presented the course and the syllabus has been passed for approval in Academic council meeting. The following changes are suggested:<br>• A prior knowledge of neural networks would have been better to pursue this course necessary. Hence appropriate basics of neural networks can to be handled first to have a seamless transition to the course main topics.<br>• This course can be also offered as full-fledged Engineering sciences elective in VI semester with suitable modification. | Dr B. Yogameena | 28.06.21 |
| 11. | 18EC1C0 Synchronization for 5G NR | Dr.G.Ananthi presented the course and the syllabus has been passed for approval in Academic council meeting without change. | - | - |
| 12. | 18EC1D0 Speech Signal Processing | Dr P.G.S. Velmurugan presented the course and the syllabus has been passed for approval in Academic council meeting without change. | - | - |
| 13. | 18EC1E0 VLSI Implementation of Communication Transceivers | Dr.N.B.Balamurugan presented the course and the syllabus has been passed for approval in Academic council meeting without change. | - | - |
| 14. | 18EC1F0 Embedded System Design | Dr K.Hariharan presented the course and the syllabus has been passed for approval in Academic council meeting without change. | - | - |
| 15. | 18ES790 Capstone Design Project | Dr. S.J.Thiruvengadam presented the course and the syllabus has been passed for approval in Academic council meeting without change. | - | - |
| 16. | Scheduling of courses for students joining in 2022-23 (prepared based on various meetings with ALUMNI) | Dr S.J.Thiruvengadam presented the draft - Scheduling of courses for students joining in 2022-23, and details of the method followed in arriving at this scheduling. The same shall be brought forward in the next BoS meeting with appropriate improvements. | - | - |
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Prepared by: Dr.V.R.Venkatasubramani
Date: 22.06.2021

Approved by: HoD/ECE