

NANDHA ENGINEERING COLLEGE, ERODE – 638 052
(An Autonomous Institution, Affiliated to Anna University Chennai and
Approved by AICTE New Delhi)

MINUTES OF THE 5th BOARD OF STUDIES MEETING

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| Name of the Body | Board of Studies |
| Name of the Board | Electrical and Electronics Engineering |
| Meeting No. | 05 |
| Date & Time | 29.04.2017, 10.00 am |
| Venue | Embedded System Laboratory Nandha Engineering College (Autonomous) Erode – 638 052 |

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Minutes of 5th Board of Studies Meeting (BoS) held on 29.04.2017

The 5th Board of Studies (BoS) meeting was held on 29.04.2017 by 10.00 am at Embedded Systems Laboratory, Nandha Engineering College, Erode - 52. The members attended the meeting are given in **Annexure I**.

The Chairman of the BoS, Dr. A.Satheesh, Professor & Dean, Electrical and Electronics Engineering welcomed the members for the meeting. Then, the items listed below were taken for discussion.

| AGENDA | |
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| Item 5.01 | To note and approve the minutes of 4 th BoS meeting of Electrical and Electronics Engineering held on 29.02.2016. |
| Item 5.02 | To review and approve the Curriculum and Syllabi under Regulation R15 for 5 th & 6 th Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted from the academic year 2015-16. |
| Item 5.03 | To review and approve the amendments of regulation R15 of B.E., Electrical and Electronics Engineering for the batch of students admitted from the academic year 2015-16. |
| Item 5.04 | To review and approve the Curriculum for all four years under Regulation R17 and syllabi for 1 st and 2 nd Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted from the academic year 2017-18. |
| Item 5.05 | To review and approve the rules and regulation - R17 for the batch of B.E students admitted from the academic year 2017-18. |
| Item 5.06 | To review and approve the Curriculum and Syllabi under Regulation R17 for M.E., Embedded System Technologies for the batch of students admitted from the academic year 2017 -18. |
| Item 5.07 | To review and approve the rules and regulation - R17 for the batch of M.E students admitted from the academic year 2017-18. |
| Item 5.08 | Any other matters |

The proceedings of BoS started and the minutes of the meeting are recorded as follows:

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| Item - 5.01 | To consider and approve the minutes of 4 th BoS meeting of Electrical and Electronics Engineering held on 29.02.2016. | |
| Resolution | Resolved to approve the minutes of 4 th BoS meeting. | |
| Item - 5.02 | To review and approve the Curriculum and Syllabi under Regulation R15 for 5 th & 6 th Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted from the academic year 2015-16. | |
| Discussion | <p>5th Semester:</p> <p><u>Control System:</u></p> <ul style="list-style-type: none"> Dr.V.Natarajan, suggested to revise unit -4 such that it may include characteristics equation (stability). <p><u>Measurement and Instrumentation:</u></p> <ul style="list-style-type: none"> Dr.S.Moorthy, suggested to include the topics digital instrumentation, instrumentation amplifier, V to I and V to F converters. <p><u>Control and Instrumentation Laboratory:</u></p> <ul style="list-style-type: none"> Er.N.Padmanaban, suggested to include the word "Determination" in the front of 5th experiment. <p><u>Power Electronics Laboratory:</u></p> <ul style="list-style-type: none"> Mr.N.Vijayasekaran, recommended to include Arcad software experiments. <p><u>Electives:</u></p> <ul style="list-style-type: none"> Mr.N.Vijayasekaran, suggested to include Smart Grid as elective. <p>➤ <u>Computer Networks:</u></p> <ul style="list-style-type: none"> Dr.R.Latha, recommended to include industrial Ethernet and interfacing concepts in unit -5. | <p>✓ Revised</p> <p>✓ Included</p> <p>✓ Included</p> <p>✓ Considered</p> <p>✓ Included in R15 Curriculum</p> <p>✓ Included</p> |
| | <p>6th Semester:</p> <p><u>Power System Operation and Control:</u></p> <ul style="list-style-type: none"> Mr.N.Vijayasekaran, suggested to include the topic smart grid and PLC in unit-5. <p><u>Microprocessor and Microcontroller:</u></p> <ul style="list-style-type: none"> Dr.R.Latha, suggested to replace the subject Microprocessor and Microcontroller to 5th semester and the subject Power Electronics to 6th semester including laboratory. <p><u>Electives:</u></p> <ul style="list-style-type: none"> Dr.V.Natarajan, advised to Prefer the updated versions of text books and references. | <p>✓ Included</p> <p>✓ Replaced</p> <p>✓ Changed</p> |

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| | <ul style="list-style-type: none"> ➤ <u>Digital Signal Processing:</u> <ul style="list-style-type: none"> • Dr.S.Moorthy and Dr.R.Latha, suggested to add basic introduction about signals and Z-transform. ➤ <u>Industrial Automation:</u> <ul style="list-style-type: none"> • Er.N.Padmanaban, suggested to modify the course objective according to the syllabus. | <p>✓ Included</p> <p>✓ Included</p> |
| Resolution | Resolved to approve the Curriculum and Syllabi under Regulation R15 for 5 th & 6 th Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted during the academic year 2015-16. | |
| Item 5.03 | <p>To review and approve the amendments of regulation R15 of B.E., Electrical and Electronics Engineering for the batch of students admitted from the academic year 2015-16.</p> <ul style="list-style-type: none"> • Clause 5.1 (III) - A student shall undergo 2 Open Elective (OE) courses and 7 Professional Elective (PE) courses. • Clause 15.1 - Total mark obtained by the student in each subject will be graded as follows O(10 points), A+ (9 points), A (8 points), B+ (7 points), B (6 points), RA (0 points) ,SA (0 points) and W (withdrawal). • New Clause -1 - Flexibility to Add or Drop Courses from V to VIII semesters. • New Clause -2 - Introduction of Online courses and guidelines. | |
| Discussion | <p><u>One Credit Courses</u></p> <p>Er.N.Padmanaban, suggested to include recent technologies as one credit courses.</p> | <p>✓ Will be considered while choosing one credit courses title.</p> |
| Resolution | Resolved to approve the amendments for Regulation R15 of B.E., Electrical and Electronics Engineering for the batch of students admitted during the academic year 2015-16. | |
| Item 5.04 | To review and approve the Curriculum for all the four years under Regulation R17 and syllabi for 1 st and 2 nd Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted from the academic year 2017-18. | |
| Discussion | <ul style="list-style-type: none"> • Dr.V.Natarajan and Dr.R.Latha suggested to include Embedded systems subject in professional core. • Dr.V.Natarajan suggested to maintain the total credits between 175 to 180. | <p>✓ Included</p> <p>✓ Considered</p> |
| Resolution | Resolved to approve the Curriculum and Syllabi under Regulation R17 for 1 st & 2 nd semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted from the academic year 2017-18. | |

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| Item 5.05 | To review and approve the rules and regulation - R17 for the batch of B.E students admitted from the academic year 2017-18. | |
| Discussion | | ✓ Defined |
| Resolution | Resolved to approve the R17 regulation for the batch of B.E students admitted from the academic year 2017-18. | |
| Item 5.06 | To review and approve the Curriculum and Syllabi under Regulation R17 for M.E., Embedded System Technologies for the batch of students admitted from the academic year 2017 -18. | |
| Discussion | <u>Design of Embedded Control Systems:</u> <ul style="list-style-type: none"> • Dr.S.Moorthy, suggested to add Haptic interfaces in unit -1 and RTC interfacing in unit -2 | ✓ Included |
| Resolution | Resolved to approve the Curriculum and Syllabi under Regulation R17 for M.E., for the batch of students admitted from the academic year 2017 -18 | |
| Item 5.07 | To review and approve the rules and regulation - R17 for the batch of M.E students admitted from the academic year 2017-18. | |
| Discussion | | ✓ Defined |
| Resolution | Resolved to approve the R17 regulation for the batch of M.E students admitted from the academic year 2017-18. | |
| Item 5.08 | Any other matters | |
| | Nil | |

Dr.A.Satheesh, Dean/EEE thanked all the members for their active participation.

Date: 29.04.2017


Dr. A.SATHEESH
 (Chairman, BoS & Dean /EEE)

