

Academic Year 2014-15

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| Meeting: | Board of Studies – Electronics and Communication Engineering |
| Date and Time: | 22 nd June 2014 at 10:00 AM |
| Venue: | AITS, RAJAMPET. |

Minutes of 5th Board of Studies- Electronics and Communication Engineering meeting held on 22nd June 2014 in AITS, Rajampet.

Members Present:

| | | |
|----------------------------|----------------------------|------------|
| 1. Prof. B. Abdul Rahim | - HOD-ECE, AITSR | - Chairman |
| 2. Sri. K. Sreenivasa Rao | - Asso. Prof, AITSR | - Member |
| 3. Sri. S. Fahimuddin | - Asst. Prof, AITSR | - Member |
| 4. Dr. M.N.Giriprasad | - Prof.-ECE- JNTUACE, Atp | - Member |
| 5. Dr. P. Satyanarayana | - Prof.-ECE, SVUCE, Tpty. | - Member |
| 6. Sri. T. Rajendra Prasad | - Scientist, NARL, Gadanki | - Member |
| 7. Sri.M.L.Narayana | - JTO ,BSNL, Mysore | - Member |

RESOLUTIONS

Item No: 22-06-14-BOS-1:

The syllabi has been modified to five units for each course and approved by members as given in annexure-I with few suggestions mentioned below.

B.TECH:

- 1) As a prerequisite circuit laws and theorems were included in electronic devices and circuits course.
- 2) Signals and systems (II-II) is interchanged with random variables and random processes (II-I).
- 3) Linear control systems (II-II) is renamed as control systems.
- 4) Control systems (II-II) is interchanged with analog communication (III-I) Signals and systems lab is removed and is replaced by analog communication lab.
- 5) A.C and D.C lab (III-II) has been split into A.C lab and D.C lab.
- 6) Electromagnetic waves and transmission lines is now renamed as field theory and transmission lines(II-II)
- 7) Digital and data communications (III-II) course is now concised to digital communication.
- 8) Electronic measurements and Instrumentation(III-II)is interchanged with digital signal processing (IV-I)
- 9) Reliability engineering (Elective-II) is interchanged with RADAR Engineering (Elective - I) in IV-year.
- 10) Digital signal processing (IV-I)-EEE is included with concepts of signals, and Multirate signal processing is removed.

M.TECH:

- 1) Hardware Description languages course is renamed as Modeling and synthesis through Verilog HDL.(VHDL concepts were removed).
- 2) Scripting language for VLSI design automation is interchanged with ASIC design (core to elective vice versa)


CHAIRMAN-BOS

Academic Year 2014-15

Meeting: Board of Studies – Electronics and Communication Engineering
Date and Time: 28th December 2014 at 10:00 AM
Venue: AITS, RAJAMPET.

Minutes of 6th Board of Studies- Electronics and Communication Engineering meeting held on 28th December 2014 in AITS, Rajampet.

Members Present:

| | | |
|----------------------------|----------------------------|------------|
| 1. Prof. B. Abdul Rahim | - HOD-ECE, AITSR | - Chairman |
| 2. Sri. K. Sreenivasa Rao | - Asso. Prof, AITSR | - Member |
| 3. Sri. S. Fahimuddin | - Asst. Prof, AITSR | - Member |
| 4. Dr. M.N.Giriprasad | - Prof.-ECE- JNTUACE, Atp | - Member |
| 5. Dr. P. Satyanarayana | - Prof.-ECE, AITS, Tpty. | - Member |
| 6. Sri. T. Rajendra Prasad | - Scientist, NARL, Gadanki | - Member |
| 7. Sri.M.L.Narayana | - JTO ,BSNL, Mysore | - Member |

RESOLUTIONS

Item No: 28-12-14-BOS-1:

Discussed the course contents of electronic Devices and circuits (I-B.Tech common to EEE and ECE) and is resolved to modify the following:

- A) The unit-V small signal analysis of amplifiers is shifted to electronic circuits of B.Tech II-I as the prerequisite is not attained in I-B.Tech. And the Unit-V is substituted with special purpose semiconductor devices.
- B) Accordingly the experiments in electronic devices and circuits lab are modified.
 - i) Inclusion of experiment on Kirchoff's laws verification.
 - ii) Removal of experiment on h-parameter calculations of amplifiers.

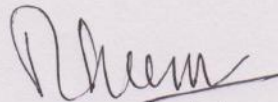
Item No: 28-12-14-BOS-2:

resolved to include an audit course "research Methodology" in M.Tech 1st semester.

Item No: 28-12-14-BOS-3:

Discussed about the value added courses (VACs) for M.Tech programmes and resolved to have "MATLAB programming" in 1st semester as common to DECS, ESS and VLSISD and separate VACs for 2nd semester.

- a) DECS- programming and interfacing with TI beagle Board Block.
- b) ESS-programming and interfacing with MSP-430 board.
- c) VLSISD-HDL programming with assertion based design.


CHAIRMAN-BOS

ANNEXURE-I

| S.No | Program Name | Name of the Course | Course Code |
|------|--------------|--|-------------|
| 1. | B.Tech-ECE | English | 4GC11 |
| 2. | B.Tech-ECE | Engineering Physics | 4GC12 |
| 3. | B.Tech-ECE | Engineering Chemistry | 4GC13 |
| 4. | B.Tech-ECE | Mathematics – I | 4GC14 |
| 5. | B.Tech-ECE | Programming in C and Introduction to data structures | 4G113 |
| 6. | B.Tech-ECE | Engineering Drawing | 4G513 |
| 7. | B.Tech-ECE | Electronic Devices and Circuits | 4G311 |
| 8. | B.Tech-ECE | Engineering Physics and Chemistry Lab | 4GC16 |
| 9. | B.Tech-ECE | English Language and Communication Skills Lab | 4GC17 |
| 10. | B.Tech-ECE | Programming in C and Introduction to data structures Lab | 4G114 |
| 11. | B.Tech-ECE | Engineering and IT workshop | 4G411 |
| 12. | B.Tech-ECE | Electronic Devices and Circuits Lab | 4G312 |
| 13. | B.Tech-ECE | Engineering Mathematics | 4GC32 |
| 14. | B.Tech-ECE | Environmental Science | 4GC34 |
| 15. | B.Tech-ECE | Electrical Circuit Theory | 4G235 |
| 16. | B.Tech-ECE | Electronic Circuits | 4G331 |
| 17. | B.Tech-ECE | Pulse and Digital Circuits | 4G332 |
| 18. | B.Tech-ECE | Signals and systems | 4G333 |
| 19. | B.Tech-ECE | Electronic Circuits Lab | 4G335 |
| 20. | B.Tech-ECE | Pulse and Digital Circuits Lab | 4G336 |
| 21. | B.Tech-ECE | Mathematics – III | 4GC41 |
| 22. | B.Tech-ECE | Electrical Technology | 4G245 |
| 23. | B.Tech-ECE | Random Variables and Random Processes | 4G341 |
| 24. | B.Tech-ECE | Switching Theory and Logic Design | 4G342 |
| 25. | B.Tech-ECE | Analog Communication | 4G343 |
| 26. | B.Tech-ECE | Field Theory and Transmission Lines | 4G344 |
| 27. | B.Tech-ECE | Aptitude and Reasoning Skills | 4GC44 |
| 28. | B.Tech-ECE | Electrical Technology Lab | 4G247 |
| 29. | B.Tech-ECE | Analog Communication Lab | 4G345 |
| 30. | B.Tech-ECE | Managerial Economics and Financial Analysis | 4GA51 |
| 31. | B.Tech-ECE | Computer System Architecture | 4G455 |
| 32. | B.Tech-ECE | Control Systems | 4G351 |
| 33. | B.Tech-ECE | Linear IC Applications | 4G352 |
| 34. | B.Tech-ECE | Digital IC Applications | 4G353 |
| 35. | B.Tech-ECE | Antennas and Wave Propagation | 4G354 |
| 36. | B.Tech-ECE | Advanced English Language Communication skills lab | 4GC51 |
| 37. | B.Tech-ECE | IC Applications Lab | 4G356 |
| 38. | B.Tech-ECE | Management Science | 4GA62 |

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| 39. | B.Tech-ECE | VLSI Design | 4G361 |
| 40. | B.Tech-ECE | Microwave Engineering | 4G362 |
| 41. | B.Tech-ECE | Microprocessors and Interfacing | 4G363 |
| 42. | B.Tech-ECE | Digital Communications | 4G364 |
| 43. | B.Tech-ECE | Digital Signal Processing | 4G365 |
| 44. | B.Tech-ECE | Digital Communication Lab | 4G366 |
| 45. | B.Tech-ECE | English for Competitive examinations | 4GC62 |
| 46. | B.Tech-ECE | Microprocessors and Interfacing Lab | 4G367 |
| 47. | B.Tech-ECE | Computer Networks | 4G479 |
| 48. | B.Tech-ECE | Optical Communication | 4G371 |
| 49. | B.Tech-ECE | Electronic Measurements and Instrumentation | 4G372 |
| 50. | B.Tech-ECE | Embedded Systems | 4G374 |
| 51. | B.Tech-ECE | Digital Design Through Verilog HDL(Elective-I) | 4G373 |
| 52. | B.Tech-ECE | Nano Electronics | 4G377 |
| 53. | B.Tech-ECE | Advanced Computer Architecture | 4G175 |
| 54. | B.Tech-ECE | Object Oriented Programming(Elective-II) | 4G47A |
| 55. | B.Tech-ECE | Television Engineering | 4G375 |
| 56. | B.Tech-ECE | Reliability Engineering | 4G376 |
| 57. | B.Tech-ECE | Microwave and Optical Communication Lab | 4G379 |
| 58. | B.Tech-ECE | Comprehensive Electronics & Communication engineering | 4G378 |
| 59. | B.Tech-ECE | DSP and Embedded Systems Lab | 4G37A |
| 60. | B.Tech-ECE | Cellular and Mobile Communications | 4G381 |
| 61. | B.Tech-ECE | Digital Image Processing | 4G382 |
| 62. | B.Tech-ECE | Radar Engineering(Elective-III) | 4G384 |
| 63. | B.Tech-ECE | DSP Processors and Architectures(Elective-III) | 4G383 |
| 64. | B.Tech-ECE | Neural Networks and Fuzzy Logic(Elective-III) | 4G48A |
| 65. | B.Tech-ECE | Wireless Communication Networks(Elective-IV) | 4G385 |
| 66. | B.Tech-ECE | Satellite Communications(Elective-IV) | 4G386 |
| 67. | B.Tech-ECE | Biomedical Instrumentation(Elective-IV) | 4G387 |
| 68. | M.Tech-DECS | Digital System Design | 4PA311 |
| 69. | M.Tech-DECS | Advanced Digital Signal Processing | 4PA312 |
| 70. | M.Tech-DECS | Digital Communication Techniques | 4PA313 |
| 71. | M.Tech-DECS | Wireless Communications | 4PA314 |
| 72. | M.Tech-DECS | Modelling and synthesis through verilog HDL | 4PC314 |
| 73. | M.Tech-DECS | Embedded System Concepts(Elective-I) | 4PB311 |
| 74. | M.Tech-DECS | Advanced Computer Architectures(Elective-I) | 4PA318 |
| 75. | M.Tech-DECS | System Modeling and Simulation(Elective-I) | 4PA315 |
| 76. | M.Tech-DECS | Digital Design Lab | 4PA317 |
| 77. | M.Tech-DECS | Coding Theory and Techniques | 4PA321 |
| 78. | M.Tech-DECS | High Speed Networks | 4PA322 |
| 79. | M.Tech-DECS | Microcomputer System Design | 4PA323 |
| 80. | M.Tech-DECS | Detection and Estimation of Signals | 4PA324 |
| 81. | M.Tech-DECS | Image and Video Processing | 4PA325 |
| 82. | M.Tech-DECS | DSP Processors and Architectures(Elective-II) | 4PB324 |

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| 83. | M.Tech-DECS | Neural Networks & Applications(Elective-II) | 4PA329 |
| 84. | M.Tech-DECS | Compression Techniques(Elective-II) | 4PA326 |
| 85. | M.Tech-DECS | Advanced Communications Lab | 4PA328 |
| 86. | M.Tech-ESD | Embedded System Concepts | 4PB311 |
| 87. | M.Tech-ESD | Microcontrollers and Interfacing | 4PB312 |
| 88. | M.Tech-ESD | VLSI Technology | 4PC311 |
| 89. | M.Tech-ESD | Real Time Operating Systems | 4PB313 |
| 90. | M.Tech-ESD | FPGA Architectures and Applications | 4PC315 |
| 91. | M.Tech-ESD | Digital IC Design(Elective-I) | 4PC313 |
| 92. | M.Tech-ESD | Advanced Computer Architectures(Elective-I) | 4PA318 |
| 93. | M.Tech-ESD | System Modeling and Simulation(Elective-I) | 4PA315 |
| 94. | M.Tech-ESD | Microcontrollers and Interfacing Lab | 4PB315 |
| 95. | M.Tech-ESD | Testing and Testability | 4PB321 |
| 96. | M.Tech-ESD | Embedded Software Design | 4PB322 |
| 97. | M.Tech-ESD | Hardware Software Co-Design | 4PB323 |
| 98. | M.Tech-ESD | DSP Processors and Architectures | 4PB324 |
| 99. | M.Tech-ESD | Modelling and synthesis through verilog HDL | 4PC325 |
| 100. | M.Tech-ESD | Radio Frequency Identification(Elective-II) | 4PB326 |
| 101. | M.Tech-ESD | System on Chip Architectures(Elective-II) | 4PB327 |
| 102. | M.Tech-ESD | Micro Electromechanical Systems(Elective-II) | 4PB328 |
| 103. | M.Tech-ESD | RTOS and FPGA Lab | 4PB32A |
| 104. | M.Tech-VLSI System Design | VLSI Technology | 4PC311 |
| 105. | M.Tech-VLSI System Design | Analog IC Design | 4PC312 |
| 106. | M.Tech-VLSI System Design | Digital IC Design | 4PC313 |
| 107. | M.Tech-VLSI System Design | Modelling and synthesis through verilog HDL | 4PC314 |
| 108. | M.Tech-VLSI System Design | FPGA Architectures and Applications | 4PC315 |
| 109. | M.Tech-VLSI System Design | Embedded System Concepts(Elective-I) | 4PB311 |
| 110. | M.Tech-VLSI System Design | Scripting Languages for VLSI Design Automation(Elective-I) | 4PC318 |
| 111. | M.Tech-VLSI System Design | System Modeling and Simulation(Elective-I) | 4PA315 |
| 112. | M.Tech-VLSI System Design | VLSI Design Lab – I | 4PC317 |
| 113. | M.Tech-VLSI System Design | Testing and Testability | 4PB321 |
| 114. | M.Tech-VLSI System Design | Low Power VLSI Design | 4PC321 |
| 115. | M.Tech-VLSI System Design | Hardware Software Co-Design | 4PB323 |

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| 116. | M.Tech-VLSI System Design | ASIC Design | 4PC322 |
| 117. | M.Tech-VLSI System Design | Algorithms for VLSI Design Automation | 4PC323 |
| 118. | M.Tech-VLSI System Design | DSP Processors and Architectures(Elective-II) | 4PB324 |
| 119. | M.Tech-VLSI System Design | Nano Electronics(Elective-II) | 4PC324 |
| 120. | M.Tech-VLSI System Design | VLSI Signal Processing(Elective-II) | 4PC325 |
| 121. | M.Tech-VLSI System Design | VLSI Design Lab – II | 4PC327 |