

NANDHA ENGINEERING COLLEGE, ERODE – 638 052

(An Autonomous Institution, Affiliated to Anna University Chennai and
Approved by AICTE New Delhi)

MINUTES OF THE 3rd BOARD OF STUDIES MEETING

Name of the Body	Board of Studies
Name of the Board	Electrical and Electronics Engineering
Meeting No.	03
Date & Time	18.04.2015, 10.00 am
Venue	Simulation Lab Nandha Engineering College (Autonomous) Erode – 638 052

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Minutes of 3rd Board of Studies Meeting (BoS) held on 18.04.2015

The 3rd Board of Studies (BoS) meeting was held on 18.04.2015 by 10.00 am at Simulation lab, 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	
Item 3.01	To note and approve the minutes of 2 nd BoS meeting, Electrical and Electronics Engineering held on 01.02.2014.
Item 3.02	To note the modified constitution of the BoS Electrical and Electronics Engineering nominated by the Academic Council, Vice-Chancellor Anna University, Chennai and Principal of the College.
Item 3.03	To note and discuss the letter received from Anna University, Chennai related to UGC guidelines on adoption of Choice Based Credit System (CBCS)
Item 3.04	To note improvements/additions in academic facilities and other achievements of the department after second meeting of BoS.
Item 3.05	To approve amendments in Regulations R13 (UG)
Item 3.06	To review and approve the curriculum, Syllabi and continuous assessment pattern under Regulation R13 for 5 th & 6 th Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted in the year 2013-14. (Academic Year 2015 - 16).
Item 3.07	<ul style="list-style-type: none">• To consider the curriculum and syllabi of 3rd & 4th semesters of B.E., Electrical and Electronics Engineering and continuous assessment pattern under Regulation R13 and follow the same for the batch of students admitted in the year 2014-15.• To approve the revisions in LCD-1 & LCD-2 syllabi
Item 3.08	To note and approve the Regulations R15 for UG & PG courses

Item 3.09	To review and approve the curriculum, Syllabi and continuous assessment pattern under Regulation R15 for 1 st and 2 nd Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted in the year 2015-16.
Item 3.10	To review and approve the curriculum, Syllabi and continuous assessment pattern under Regulation R15 for all four Semesters of M.E., Power Electronics & Drives and Embedded System Technologies for the batch of students admitted in the year 2015 -16.
Item 3.11	To review and approve Panel of examiners and Question paper setters
Item 3.12	Any other matters

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

Item -3.01	To consider and approve the minutes of 2 nd BoS meeting, Electrical and Electronics Engineering held on 01.02.2014.
Resolution	Resolved to approve the minutes of 2 nd BoS meeting.
Item -3.02	To note the modified constitution of the BoS Electrical and Electronics Engineering nominated by the Academic Council, Vice-Chancellor Anna University, Chennai and Principal of the College.
Resolution	BoS noted the modified constitution of the BoS of Electrical and Electronics Engineering
Item -3.03	To note and discuss the letter received from Anna University, Chennai related to UGC guidelines on adoption of Choice Based Credit System (CBCS)
Resolution	BoS noted the contents of the letter received from Anna University, Chennai related to UGC guidelines on adoption of Choice Based Credit System (CBCS)
Item -3.04	To note improvements/additions in academic facilities and other achievements of the department after second meeting of BoS.
Resolution	BoS members were briefed about improvements/additions in academic facilities and other achievements of the department after second BoS. These improvements were noted and appreciated by BoS.
Item -3.05	To approve the amendments in Regulations R13 (UG) <ul style="list-style-type: none"> ❖ Clause 5.1(III): Introduction of elective subjects as Department Electives (DE), Open Electives (OE) and Self-Study Electives (SSE) for Third and Final years. ❖ Clause 5.1(V): Allotting credits for In-plant training (IPT) and Extra-Curricular Activities (ECA) like NCC / NSS / NSO / YRC/etc., for skill development during 7th Semester ❖ Clause 5.6 & 5.7: Guidelines for selecting electives under Choice Based Credit System (CBCS).

	<ul style="list-style-type: none"> ❖ Clause 5.8: Introduction of one Credit Courses and guidelines. ❖ Clause 5.9: Introduction of Project Based Learning (PBL) subjects. ❖ Clause 5.10 Introduction of Higher Order Thinking (HOT) subjects. ❖ Clause 5.11 Value Added Courses (VAC). ❖ Clause 20 PROCTOR SCHEME ❖ Clause 24 Malpractices in tests and examinations 	
Discussion	<ul style="list-style-type: none"> ❖ Dr.R.Senthilkumar suggested to include switching functions and simplifications using K-maps and Quine Mccluskey method and specify PLA, PAL-version in digital logic system design 	✓ Included
Resolution	Resolved to approve the amendments in R13.	
Item -3.06	To review and approve the curriculum, Syllabi and continuous assessment pattern under Regulation R13 for 5 th & 6 th Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted in the year 2013-14. (Academic Year 2015 - 16).	
Discussion	<ul style="list-style-type: none"> ❖ In regulation R15, for one credit courses, the syllabus will be based on industrial needs & resource person from industry will engage the classes. Classes are planned in weekends to be included 15 Hours) ❖ In regulation R15, the syllabus will be confined to 185 credits. ❖ Dr.R.Senthilkumar and Dr.Indra Getzy David recommended to replace the subject as "Computer Architecture" instead of 'Computer Networks' in 5th semester. ❖ Dr.R.Senthilkumar suggested to combine the subjects "Computer Networks and Communication Engineering" and named as "Computer Communication Networks" in 5th semester. ❖ NPTEL-Video lectures, journals can be included as a reference book. ❖ Open electives should not require any pre requisite and fundamentals should 	<ul style="list-style-type: none"> ✓ Replaced ✓ Changed

be added in first unit.

Subject specific Suggestions:

Power System Protection and Switch Gear

- ❖ Er.E.P.Vimalanathan suggested to add the types of insulators in the syllabus and also include smart grid technology. ✓ Added

Microprocessor and Microcontroller

- ❖ Dr.Indra Getzy David recommended to add topics on “Memory and I/O interfacing” should be incorporated in “Microprocessor and Microcontroller” theory during 5th Semester. ✓ Added
- ❖ In reference book PIC Microcontroller book has to be removed. ✓ Removed

Measurements and Instrumentation

- ❖ Er.E.P.Vimalanathan suggested to add topics on “Smart meters and wireless measurement Techniques”. ✓ Added

Engineering Economics

- ❖ Dr.R.Senthilkumar suggested to modify the syllabus according to the financial accounting and project management regarding. ✓ Modified

Control System Laboratory

- ❖ Mr.A.John Christopher suggested to change the experiments 4 and 5 as “First order system and Second order system” respectively. ✓ Changed

Digital Signal Processing

- ❖ Dr.Indra Getzy David suggested to include “signals and system” in Unit-I ✓ Included

Microprocessor and Microcontrollers Laboratory


- ❖ Dr.R.Senthilkumar recommended to add Experiment No 2: Programming with control instruction has to be changed as programming with data manipulation. ✓ Changed

	with control instruction as to be changed as programming with data manipulation. <u>Power Electronics Laboratory</u> ❖ Dr.R.Senthilkumar suggested to add at least one design experiment should be added. <u>Advanced Control Systems</u> ❖ Er.E.P.Vimalanathan suggested to remove Unit IV and V. ❖ Unit I, II, and III as to be splitted into five units.	✓ Changed ✓ Added ✓ Removed and splitted
Resolution	Resolved to approve the curriculum, Syllabi and continuous assessment pattern under Regulation R13 for 5 th & 6 th Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted in the year 2013-14	
Item - 3.07	<ul style="list-style-type: none"> • To consider the curriculum and syllabi of 3rd & 4th semesters of B.E., Electrical and Electronics Engineering and continuous assessment pattern under Regulation R13 and follow the same for the batch of students admitted in the year 2014-15. • To approve the revisions in LCD-1 & LCD-2 syllabi. 	
Discussion	They suggest to rewrite "Odd man out" appropriately in Verbal Aptitude and Reasoning.	
Resolution	Resolved to follow R13 evaluation pattern for R15 Regulations.	
Item 3.08	To note and approve the Regulations R15 for UG & PG courses	
	PG ❖ Er.E.P.Vimalanathan suggested that the Credit for Industrial Visit and Technical Seminar should be changed as practical 4 and credit 2.	✓ Modified
Resolution	Resolved to approve R15 regulations for UG & PG with the mentioned corrections.	
Item 3.09	To review and approve the curriculum, Syllabi and continuous assessment pattern under Regulation R15 for 1 st and 2 nd Semesters of B.E., Electrical and Electronics Engineering for the batch of students admitted in the year 2015-16.	
Discussion	UG <u>Electric Circuit Theory</u> ❖ Dr.Indra Getzy David suggested to add AC circuits in Unit I. ❖ Dr.Indra Getzy David recommended to include David A.Bell as text book.	✓ Added ✓ Modified

	<u>Basic of Electrical and Electronics Engineering</u> ❖ Er.E.P.Vimalanathan suggested to add mobile communication and wireless communication in Unit V.	✓ Added
Item 3.10	To review and approve the curriculum, Syllabi and continuous assessment pattern under Regulation R15 for all four Semesters of M.E., Power Electronics & Drives and Embedded System Technologies for the batch of students admitted in the year 2015 -16.	
Discussion	❖ Dr.Indra Getzy David suggested to include the recent trend topics in “Power Electronics Applications to Renewable Energy”.	✓ Included
Resolution	Resolved to approve R15 for PG and follow same evaluation pattern under R13.	
Item 3.11	To review and approve Panel of examiners and Question paper setters	
Resolution	Resolved to approve the Panel of examiners and Question paper setters	
Item 3.12	Any other matters	
	Nil	

The Chairman thanked all the members for their active participation.

Date: 18.04.2015


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