

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, CHEERYAL, KEESARA, MEDCHAL
(AUTONOMOUS)

Department of Electronics and Communication Engineering.

Minutes of the Board of Studies (BoS)

Venue: Board Room

Time: 10:30 AM – 2 PM

Date: July 6, 2018

Members Present

JNTUH Nominee: Dr. D. Srinivasa Rao, Professor ECE, JNTUH, Hyderabad
Subject Expert1 (from Academia): Dr.C.B.Rama Rao, Professor ECE, NIT Warangal
Subject Expert2 (from Academia): Dr. Anil Kumar Vuppala IIIT, Hyderabad
Chairman, Academic Council, GCET Dr Udaya Kumar Susarla, Principal
Chairman, ECE Dept. BOS: Prof. B. Hari Kumar, HOD, ECE, GCET
GCET Alumni Representative: Mr.RVNR Suneel Krishna

Internal Members of the ECE Dept. GCET:

1. Dr.R.S.Raju, Professor
2. Mr.K.Somasekhara Rao, Professor
3. Dr.C.V.Narasimhulu, Professor
4. Dr.P. Vijai Bhaskar, Professor
5. Mr. OVPR Siva Kumar, Professor
6. Dr.V.Satya Srinivas, Associate Professor
7. Mr.D.Venkata Rami Reddy, Associate Professor
8. Ms.M.Laxmi, Associate Professor

Members Not Present: Subject Expert3 (from Industry): Mr.Sandeep M.Satav RCI, DRDO

Internal Members: Dr.S.Suryanarayana, Professor, GCET

Dr. S. Ramana Murthy, Professor

Minutes (Agenda Item-wise)

1. Welcoming of Members by the HoD ECE Dept.:

Prof. B. Hari Kumar, Chairman for ECE Department BoS and Head of the Department welcomed the members to the BoS Meeting. The meeting started with the introduction of BoS members by HoD.

2. Discussion and seeking the Approval of proposed Course Structure of B.Tech (ECE) under Autonomous status (AR18) as per AICTE Model Curriculum

- a. Complete Course structure was reviewed by the members w.r.t prerequisite requirements and detailed recommendations are given in Table I.
- b. Total number of credits under various categories was reviewed and suggested to increase the weightage for General Engineering Courses (ESC) and reduce the weightage for Core courses (PC) as per the AICTE Model Curriculum guidelines.
- c. Members suggested to include all the three mandatory courses given in AICTE Model Curriculum into course structure
- d. Detailed review of Professional Electives was done and changes are recommended as given in Table II.
- e. Detailed review of Open Electives was done and changes are recommended as given below in Table III
- f. Detailed review of syllabus of Network Theory course was done and suggestions are given as in Table IV

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Table I: Recommendations/suggestions on Course Structure

Year and Semester	Name of the course	Recommendations/Modifications suggested	Remarks
I B.Tech II Sem	Network Theory	Approved by the members	
I B.Tech II Sem	Semiconductor Devices	Suggested to handle the course by ECE faculty and after discussions it is decided that the course can be handled by Physics faculty which is agreed by all the members	To include Special Diodes in this course
	Semiconductor Devices Lab	Suggested to handle the course by ECE faculty and after discussions it is decided that the course can be handled by Physics faculty which is agreed by all the members	
II B.Tech I Sem		Course Structure is approved by the members and the following suggestions are given: 1. As Pulse and Digital Circuits(PDC) course is not in the proposed curriculum, it is suggested to include the topic" Introduction to Wave shaping circuits" in Electronic Circuit Analysis , to cover the topics on clippers and clampers.	
II B.Tech II Sem		Course Structure is approved by the members and the following suggestions are given: 1. In Computer Organization and Digital Design Lab, members suggested to include four experiments on addressing modes, instruction formats from CO, four experiments on trainer kits to know the functionality of Arithmetic Unit and Counters and four experiments to simulate the functionality of Multiplexers, demultiplexers, encoders and decoders using Xilinx	

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		VHDL/Verilog HDL software.	
III B.Tech I Sem		Course Structure is approved by the members and recommended to include the third Mandatory course “ Essence of Indian Traditional Knowledge” as given in AICTE model curriculum	
III B.Tech II Sem		Course Structure is approved by the members	
IV B.Tech I Sem		Course Structure is approved by the members	
IV B.Tech II Sem		Course Structure is approved by the members	

Table II: Recommendations/suggestions on list of Professional Electives

Year and Semester	Recommendations/Modifications suggested	Remarks
III B.Tech ECE I Sem	Professional Elective - I	
III B.Tech ECE II Sem	Professional Elective - II	
IV B.Tech ECE I Sem	Professional Elective - III	
	Professional Elective - IV	
IV B.Tech ECE II Sem	Professional Elective - V	
<p>After reviewing the list of Professional Electives it is suggested to include new courses and to change the title of some of the courses with reference to the list of electives given in AICTE Model Curriculum. It is also recommended to review the open electives offered by other Departments to finalize the list of electives of ECE. They also suggested to take note of the sequence of the electives offered in different specializations to meet the prerequisite. It is suggested to modify the list of electives, if necessary at the time of framing of the syllabus.</p>		

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Table III: Recommendations/suggestions on list of Open Electives

Open Elective	Proposed Course	Revised as per the BoS recommendations	Year and semester in which the open elective to be offered
OE I	Bio medical Instrumentation	Bio-medical Instrumentation	III B.Tech II Sem
OE II	Principles of Communication Systems	Principles of Communication Systems	IV B.Tech I Sem
OE III	Basics of Electronic Devices	Global Positioning System	IV B.Tech II Sem

Table IV: Recommendations/Suggestions on preparing the syllabus of Network Theory (I B.Tech ECE II Semester)

BoS members reviewed the draft syllabus prepared by the Department and gave the following suggestions:

They suggested to consider the following books:

1. John D. Ryder, Networks Lines & Fields, 2nd edition, PEARSON publications, 31 Dec 2015
2. Charles A. Desoer, Ernest S. Kuh, Basic circuit theory, McGraw-Hill, 1969
3. Hayt, Kemmerly, Durbin, ENGINEERING CIRCUIT ANALYSIS, McGraw-Hill Education (Asia), 2011

Suggested to add the following topics:

1. Transients and Sinusoidal Steady state Analysis
2. Theorems which are not covered in Basic Electrical Engineering Course

The meeting is concluded at 2:00 pm after the Chairman expressing thanks to all the members for attending the meeting.



Prof. B.Hari Kumar
Chairman, ECE Department BoS

Encl:

1. Draft copy of B.Tech ECE AR-18 course structure
2. Modified copy of B.Tech ECE AR-18 course structure
3. Syllabus of Network Theory
4. List of Professional Electives and Open Electives