# SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR (AUTONOMOUS)

# 2<sup>rd</sup>BoS Meeting of Electrical and Electronics Engineering (EEE)

Date: 23-12-2017

The 2<sup>rd</sup> meeting of Board of Studies (BoS) Electrical and Electronics Engineering is held on 23<sup>rd</sup> December, 2017 at 10.00 AM in the Department of Electrical and Electronics Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor-Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum

Mr. N.Ramesh Raju, Chairman BoS chaired the meeting and welcomed all the members to the second BoS meeting and discussed about the following agenda.

1. Preparation of course structure for III & IV year UG in EEE w.e.f., A.Y. 2018-19.

2. Preparation of syllabi for III & IV year UG in EEE w.e.f., A.Y. 2018-19.

3. Preparation of syllabus for the subject offered to other branches w.e.f., A.Y. 2018-19.

4. Suggesting panel of question paper setters.

5. Suggesting panel of examiners.

6. Any other item.

After a brief introduction of the agenda items listed above, each agenda item were taken up for discussion and the following resolutions were passed.

#### Minutes:

### Agenda 1 :

Preparation of course structure for III & IV year UG in EEE w.e.f., A.Y. 2018-19.

# **Resolution1:**

After detailed discussion, the course structure for in for III & IV year UG in EEE was prepared (given in **Annexure-I**) and is applicable from the A.Y., 2018-19.

## Agenda 2 :

Preparation of syllabus for III & IV year UG in EEE w.e.f., 2018-19.

# **Resolution2:**

After the thorough discussion, syllabi was formulated to make the students acquire the required technical knowledge and skills. The syllabi framed for the III & IV year of UG in EEE (given in **Annexure –II**) and is applicable from the A.Y., 2018-19.

# A. Course & Syllabus Comparison

With reference to the R15 regulations, the new regulation (R16) syllabus for III&IV year has the following modifications which are given in the below table.

S.no	R15 Regulation	R16 Regulation	% of course content changed
1	Control Systems Engineering	Linear Control Systems	0
2	Electronic Devices & Circuits	Basic Electronic Devices	5
3	Data Structures	Data Structures through C	0
4	Electric Circuits Simulation Laboratory	Network Analysis & synthesis Lab	60
5	Electronic Devices & Circuits Laboratory	Basic Electronic Devices Lab	0
6	Managerial Economics and Financial Analysis	Managerial Economics and Financial Analysis	0
7	Electrical Machines – II	Electrical Machines –II	20
8	Electrical Power Generating Systems	Generation of Electric Power	0
9	Electromagnetic Fields	Elec <sup>+</sup> romagnetic Fields	0
10	Analog Electronic Circuits	Electronic Analog Circuits	0
11	Electrical Machines Laboratory – I	Electrical Machines-I Lab	0
12	Control Systems & Simulation Laboratory	Control Systems and Simulation Lab	0

### III&IV B.Tech

13	Electrical Measurements	Electrical and Electronic Measurements	0
14	Linear & Digital IC Applications	Linear IC Applications	50
15	Electrical Power Transmission Systems	Electrical Power Transmission Systems	0
16	Power Electronics	Power Electronics	0
17	Electrical Machines – III	Electrical Machines III	0
18	Digital Circuits and Systems	Digital Signal Processing	0
19	Electrical Machines Laboratory	Electrical Machines II Lak	100
20	Electrical Measurements	Electrical Machines-II Lab	0
21	Social Values & Ethics	Human Values & Professional	0
22	Power Semiconductor Drives	Etnics	30
23	Power System Protection	Switch Common 1D to the	0
24	Microprocessors &	Microprocessors &	35
25	Power System Analysis	Microcontrollers	0
26		Power System Analysis	0
27	Neural Networks & Fuzzy Logic Microprocessors &	Soft Computing Techniques	0
	Microcontrollers Laboratory	Microcontrollers lab	0
28	Power Electronics & Simulation Laboratory	Power Electronics and Simulation	20
29	Advanced English Language Communication Skills (AELCS) Laboratory	Advanced English Language and Communication Skills Lab	50
30	Electrical Distribution Systems		50
31	Power System Operation and	Power System Operation and	0
32	Utilization of Electrical Energy	Litilization of Electrical Power	0
33	Smart Grid	Smart Grid technologies	0
34	Flexible AC Transmission Systems	FACTS Controllers	00
35	Power Ouality	Principles of Power Quality	20
36	Power Systems & Simulation	Power Systems and Simulation Lat	0
37	Power System Dynamics and	Advanced Control The	0
38	Industrial Automation & Control	Special Electrical Machines	100

39			
	HVDC Transmission	HVDC Transmission Systems	0
40		Non-Conventional Energy	4
	Energy Resources & Technology	Resources	20
41		Switching Theory and Logic	
		Design	100
42			
		Mat lab Programming	100
43			
		Elements of Road Traffic Safety	100
44			
		Data Base Management Systems	100
45			
	L	High Voltage Engineering	100
46		MOOC Courses- Offered by	
		Swayam/NPTEL/NISTE -	
		suggested by the	
		department(Online Courses)	100

# **Consolidated Sheet**

Course	<b>Total courses</b>	Percentage of syllabus changed
EEE B.Tech III&IV	16	27.20
Year	46	27.39

## **B.** Course Relevance

The courses that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

Sno	Course Title	Course Code	Relevance
	Linear Control Systems	16EE216	employability
1			
	Electrical Power Transmission Systems	16EE218	employability
2			
	Power Electronics	16EE219	employability
3			
	Electrical Machines-III	16EE220	employability
4			
	Switching Theory and Logic Design	16EC402	employability
5			
	Linear IC Applications	16EC417	skill development
6			<b>^</b>
	Electrical Machines-II Lab	16EE221	skill development
7			-
	Control Systems and Simulation Lab	16EE222	skill development
8			•
	Aptitude Practice-I	16HS616	employability
9			1 2 2

	10	Power Semiconductor Drives	16EE223	employability
	11	Electrical and Electronic Measurements	16EE224	employability
	12	Switch Gear and Protection	16EE225	employability
	12	Power System Analysis	16EE226	employability
	13	Microprocessors & Microcontrollers	16EC423	skill development
	14	Advanced English Language and Communication		
	15	Skills Lab.	16HS615	skill development
	16	Power Electronics and Simulation Lab	16EE227	skill development
	17	Microprocessors and Microcontrollers lab	16EC428	skill development
0	18	Aptitude Practice-II	16HS617	employability
	19	Power System Operation and Control	16EE228	employability
	20	Electrical Distribution Systems	16EE229	employability
	21	Digital Signal Processing	16EC422	skill development
	21	Managerial Economics and Financial Analysis	16MB750	skill development
	22	Principles of Power Quality	16EE230	employability
	23	HVDC Transmission Systems	16EE231	employability
	24	Smart Grid technologies	16EE232	employability
	25	Elements of Road Traffic Safety	16CE145	skill development
	26	Non-Conventional Energy Resources	16ME313	skill development
	27	Mat lab Programming	16EC443	skill development
	28	Data Base Management Systems	16CS511	skill development
	29	Power Systems and Simulation Lab	16EE233	skill development
	30	Electrical Measurements Lab	16EE234	skill development
	31	Entrepreneurship Development	16MB751	entrepreneurship
	32	Advanced Control Theory	165225	amployability
	33	EACTS Controller	1000233	employability
	34	rACIS Controllers	10EE236	employability
	35	Soft Computing Techniques	16EE237	employability

	Utilization of Electrical Power	1600228	amployability
26	ethization of Electrical Tower	10EE230	employability
30			
	High Voltage Engineering	16EE240	employability
37		10222.0	
	Special Electrical Machines	16EE241	employability
38	1	TOLLETT	employuonity
	Seminar	16EE242	skill development
39			skin development
	Project Work	16EE243	employability
40		TOLLETO	omproyuomity
	Aptitude Practice-I	16HS616	skill development
41		10115010	skin development
	Aptitude Practice-II	16HS617	skill development
42	* · · · · · · · · · · · · · · · · · · ·		skin de veropinent

Modifications described above are carried out to the curriculum after discussion in the BOS by considering the feedback/suggestions from the stake holders viz. student, alumni, faculty and employers.

#### Agenda 3 :

Preparation of syllabus for the subject offered to other branches w.e.f., 2018-19.

### **Resolution3:**

After the through discussion syllabus was prepared for the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2018-19.

## Agenda 4 :

Suggesting panel of question paper setters.

### **Resolution4:**

The panel of question paper setters was suggested (given in Annexure-IV).

### Agenda 5 :

Suggesting panel of examiners.

### **Resolution5:**

The panel of examiners for valuation was suggested (given in Annexure-V).

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of thanks proposed by the chairman-BOS.

S. No.	Members present	Designation/Organization	Role of the BOS	Signature
1	Prof. N:Ramesh Raju	Professor& HOD	Chairman	N. Ram
2	Dr. A.Sreenivasan	Professor (Control systems)	Member	About
3	Dr. B.Rajani	Professor (Power Systems)	Member	for
4	Mr. Munisekhar Sadu	Associate Professor (Electrical Machines)	Member	Byturn
5	Mr. J. Yungandhar	Assistant Professor (Power Electronics)	Member	5. mgadred
6	Dr. P. Lakshmi	Professor, Dept. of EEE, Anna University, Madras	Member	P. Jahl.
7	Dr.G.V.Marutheeswar	Professor, Dept. of EEE, S.V.University, Tirupathi.	Member	Gen
8	Dr. Ch. Chengaiah	Professor, Dept. of EEE, S.V. University, Tirupati	Member	apirot
9	Sri P.Balaji	Assistant Divisional Engineer APTRANCO, Sullurupet 220 KV Substation	Member	Buls.
10	Miss. K. Yamini	Assistant Engineer(AE), APTRANCO, 132 KV Substation ,Gurramkonda, Madanapalli.	Member	K. Jamine

# **Members** Present