

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

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**5<sup>th</sup>BoS Meeting of Electrical and Electronics Engineering (EEE)**

Date: 28/08/2020

The 5<sup>th</sup> meeting of Board of Studies (BoS) in Electrical and Electronics Engineering is held on 28<sup>th</sup> August, 2020 (Friday) at 10.00 AM online through ZOOM.

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

Dr. N. Ramesh Raju, Chairman-BoS chaired the meeting and welcomed all the members to the fifth BoS meeting and discussed the following agenda:

**Agenda:**

1. To discuss and frame the syllabi for II year B.Tech. under R19 Regulation.
2. To discuss and frame the syllabi for III year B.Tech. under R18 Regulation.
3. To discuss and frame the syllabi for I & II years M.Tech. under R20 Regulation and II year M. Tech under R19 regulation.
4. To prepare panel of examiners and paper setters for I, II and III B.Tech. that comes under R20, R19 & R18 respectively.
5. To prepare panel of examiners and paper setters for I & II M.Tech. that comes under R20 regulation and II M.Tech. under R19 regulation.
6. Any other item with the permission of Chair.

- i. Formulated/Modified Vision, Mission, PEO's and PSO's

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 :**

To discuss and frame the syllabi for II year B.Tech.under R19 Regulation.

**Resolution1:**

After thorough discussion, course structure and syllabus was framed to make the students acquire required technical knowledge and skills. The BOS resolved to approve the course structure for II year B.Tech. under R19 Regulation (given in Annexure –II respectively) applicable from the A.Y.2020-21.

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications which are given in the below table.

**II B.TECH**

S.no	R18 Regulation	R19 Regulation	% of course content changed
1	Electrical circuits-II	Electrical circuits-II	0
2	Analog Electronic Circuits	Analog Electronic Circuits	60
3	Electromagnetic Fields	Electromagnetic Fields	0
4	Electrical Machines -I	Electrical Machines-I	0
5	Analog Electronic Circuits lab	Analog Electronic Circuits Lab	0
6	Electrical circuits lab	Electrical Circuits Lab	0
7	Environmental Sciences	Environmental Science	0
8	Electrical Machines II	Electrical Machines-II	20
9	Electrical Machines-I Lab	Electrical Machines-I Lab	0
10	Electrical Machines –II Lab	Electrical Machines-II Lab	0
11		Water Technology	100
12		Fundamentals of Mechanical Engineering	100
13		Introduction to Communication Systems	100
14		Relational Data Base Management Systems	100
15	†	Management Science †	100
16		Electronic Devices and Circuits Lab	100
18		Switching Theory and Logic Design	100

19		Fundamentals of Urban Planning	100
20		Mechanical Measurements & Control Systems	100
21		Elements of Embedded Systems	100
22		Java Programming	100
23		Intellectual Property Rights	100
24		Switching Theory and Logic Design Lab	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEEB.Tech II Year	24	60

### 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
1	Electrical circuits-II	19EE0202	Employability
2	Electrical Machines-I	19EE0203	Employability
3	Water Technology	19CE0136	Skill development
4	Fundamentals of Mechanical Engineering	19ME0349	Skill development
5	Introduction to Communication Systems	19EC0448	Skill development
6	Relational Data Base Management Systems	19CS0550	Skill development
7	Management Science	19HS0813	Entrepreneurship
8	Electronic Devices and Circuits Lab	19EC0405	Skill development
9	Electrical Machines-I Lab	19EE0204	Skill development
10	Electrical Circuits Lab	19EE0205	Skill development
11	Switching Theory and Logic Design	19EC0401	Employability
12	Analog Electronic Circuits	19EC0446	Skill development

13	Electromagnetic Fields	19EE0207	Employability
14	Electrical Machines-II	19EE0208	Employability
15	Fundamentals of Urban Planning	19CE0143	Skill development
16	Mechanical Measurements & Control Systems	19ME0350	Employability
17	Elements of Embedded Systems	19EC0449	Employability
18	Java Programming	19CS0551	Skill development
19	Switching Theory and Logic Design Lab	19EC0404	Skill development
20	Analog Electronic Circuits Lab	19EC0447	Skill development
21	Electrical Machines-II Lab	19EE0209	Skill development

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 2 :**

To discuss and frame the syllabi for III year B.Tech.under R18 Regulation.

**Resolution2:**

After detailed discussion, the BOS resolved to approve the course structure for III year B.Tech. under R18 Regulation (given in Annexure –III respectively) applicable from the A.Y.2020- 21.

**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for III year has the following modifications which are given in the below table.

**III B.TECH**

S.no	R16 Regulation	R18 Regulation	% of course content changed
1	Linear Control Systems	Control Systems	10
2	Electrical Power Transmission Systems	Power systems-II	10
3	Power Electronics	Power Electronics	80
4	Linear IC Applications	Digital Electronics	50



5	Electrical Machines-II Lab	Electrical Machines-II Lab	90
6	Control Systems and Simulation Lab	Control systems lab	0
7	Electrical and Electronic Measurements	Electrical Measurements	0
8	Microprocessors & Microcontrollers	Microprocessors & Microcontrollers	10
9	Advanced English Language and Communication Skills Lab.	English for corporate communication skills lab	0
10	Power Electronics and Simulation Lab	power electronics and drives Lab	30
11	Digital Signal Processing	Digital Signal Processing	50
12	Managerial Economics and Financial Analysis	Managerial Economics and Financial Analysis	0
13	Elements of Road Traffic Safety	Elements of Road Traffic Safety	0
14	Non-Conventional Energy Resources	Non-Conventional Energy Resources	0
15	Intellectual Property Rights	Intellectual Property Rights	0
16	Power Systems and Simulation Lab	Power Systems Lab	0
17	Electrical Measurements Lab	Electrical Measurements Lab	30
18		Management science	100
19		Electrical machine design	100
20		Digital control systems	100
21		Introduction to IOT	100
22		Python programing	100
23		Internship (60 Hours)	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEEB.Tech III Year	23	41.73

## B. Course Relevance

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

S.no	Course Title	Course Code	Relevance
1	Managerial Economics and Financial Analysis	18HS0812	Entrepreneurship
2	Digital signal processing	18EC0414	Employability
3	Power Systems-I	18EE0210	Employability
4	Control Systems	18EE0211	Employability
5	Electrical Measurements	18EE0212	Employability
6	Electrical Machines –II Lab	18EE0213	Employability
7	Control Systems Lab	18EE0214	Employability
8	Electrical Measurements Lab	18EE0215	Employability
9	aptitude practices	18HS0842	Skill development
10	Management Science	18HS0813	Entrepreneurship
11	Microprocessors and Microcontrollers	18EC0420	Employability
12	Power Systems – II	18EE0216	Employability
13	Electrical Machine Design	18EE0221	Employability
14	Digital Control Systems	18EE0222	Employability
15	Modern Control Theory	18EE0223	Employability
16	Elements of Road Traffic Safety	18CE0127	Skill development
17	Non-Conventional Energy Resources	18ME0307	Skill development
18	Introduction to IOT	18EC0449	Skill development
19	Python Programming	18CS0517	Skill development
20	Internship (60 Hours)	18EE0243	Employability
21	Power Electronics and Drives Lab	18EE0217	Employability

22	Power Systems Lab	18EE0218	Employability
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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.

**Agenda3:**

To discuss and frame the syllabi for I &II yearsM.Tech. under R20 Regulation and II year M. Tech under R19 regulation.

**Resolution 3 :**

After thorough discussion, course structure and syllabus was framed to make the students acquire required technical knowledge and skills. The BOS resolved to approve the course structure and Syllabi for I&II year M.Tech. under R20 Regulation and II year M.Techundr R19 Regulation (given in Annexure –IV) respectively applicable from the A.Y.2020-21.

**A. Course & Syllabus Comparison**

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications which are given in the below table.

**II M.TECH**

S.no	R18 Regulation	R19 Regulation	% of course content changed
<b>CS</b>			
1	Phase-I Dissertation	Phase-I Dissertation	0
2	Phase-II Dissertation	Phase-II Dissertation	0
<b>PE</b>			
3	Phase-I Dissertation	Phase-I Dissertation	0
4	Phase-II Dissertation	Phase-II Dissertation	0

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
M.Tech CS&PE II Year	4	0

## B. Course Relevance

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

### II M.TECH

S.no	Course Title	Course Code	Relevance
<b>CS</b>			
1	Phase-I Dissertation	19EE2024	Employability
2	Phase-II Dissertation	19EE2025	Employability
<b>PE</b>			
3	Phase-I Dissertation	19EE2126	Employability
4	Phase-II Dissertation	19EE2127	Employability

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 4:**

To prepare panel of examiners and paper setters for I, II and III B.Tech.that comes under R20, R19 & R18 respectively.

#### **Resolution 4:**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in Annexure–V respectively) to be submitted to the college Academic council for approval.

#### **Agenda 5:**

To prepare panel of examiners and paper setters for I & II M.Tech.that comes under R20 regulation and II M.Tech. under R19 regulation.

#### **Resolution 5 :**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in Annexure VI respectively) to be submitted to the college Academic council for approval.



**Agenda 6:**

Approval of Formulated/Modified Vision, Mission, PEO's and PSO's.

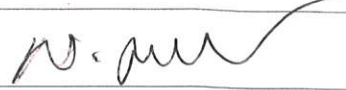

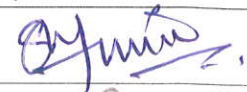
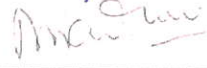


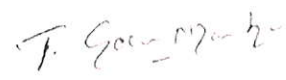
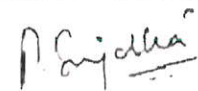

**Resolution:6**

Approved the Formulated/Modified Vision, Mission, PEO's and PSO's (given in **Annexure –V**) to be submitted to the college academic council for approval.

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.

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## Members Present

S.No.	Member Name	Academic/Industry Position	Designation	Signature
1	Dr. N.Ramesh Raju	Professor &HOD (Instrumentation & Control)	Chairman	
2	Prof. P.Chandra Sekhar	Professor (Power Systems)	Member	
3	Mr.S.Muni Sekhar	Associate Professor (Power Electronics)	Member	
4	Mr.T.Madhurantaka	Associate Professor (Power Electronics)	Member	
5	Mrs R Lakshmi	Associate Professor (Power Systems)	Member	
6	Dr. P. Lakshmi	Professor Department of EEE Anna University, Chennai	Member	
7	Dr T Gouri Manohar	Professor Department of EEE, S V University, Tirupati	Member	
8	Dr. P Sujatha	Professor Department of EEE, JNTUA, Anantapuramu	Member	
9	Mr.S V Mahesh Babu	Assistant Divisional Engineer, AP Transco, Chittoor	Member	
10	Miss K Yamini	Assistant Engineer, AP Transco, Chittoor	Member	