

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

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

Date: 14/03/2022

The 8<sup>th</sup> meeting of Board of Studies (BoS) in Electrical and Electronics Engineering is held on 14th March, 2022 (Monday) at 10.00 AM online through ZOOM.

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

1. Approval of course structure and syllabi for III year B.Tech. under R20 Regulation.
2. Approval of course structure and syllabi for IV year B.Tech. under R19 Regulation.
3. Approval of examiners and paper setters for III and IV B.Tech. that comes under R20 & R19 respectively.
4. Any other item with the permission of Chair.

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

Approval of course structure and syllabi for III year B.Tech. under R20 Regulation in EEE w.e.f., 2022-2023.

#### Resolution: 1

After detailed discussion, the BoS resolved to approve the course structure and syllabi for III year B.Tech. under R20 Regulation (given in **Annexure –I** respectively) applicable from the A.Y.2022-2023.

#### **A. Course & Syllabus Comparison**

With reference to the R19 regulations, the new regulation (R20) syllabus for III year has the following modifications which are given in the below table.

#### **III B.Tech**

<b>S.no</b>	<b>R19 Regulation</b>	<b>R20 Regulation</b>	<b>% of course content changed</b>
1	Control Systems	Control Systems	0
2	Electrical Measurements	Electrical Measurements and Instrumentation	40
3	Non-Conventional Energy Resources	Non- Conventional Energy Resources	0
4	Control Systems and Simulation Lab	Control Systems and Simulation Lab	0
5	Electrical Measurements Lab	Electrical Measurements Lab	0
6	Microprocessors and Microcontrollers	Microprocessors and Microcontrollers	0
7	Power System Operation and Control	Power System Operation and Control	0
8	Power System Analysis	Power System Analysis	0
9	Power Systems and Simulation Lab	Power Systems and Simulation Lab	0
10	English for Corporate Communications	English for Corporate Communication Skills Lab	20
11		Intellectual Property Rights	100

12		Microprocessors and Microcontrollers Lab	100
13		Relational Data Base Management Systems	100
14		Substation and Automation Lab (Virtual lab)	100
15		PLC and Automation Lab	100
16		Human Values and Professional Ethics	100
17		Fundamentals of Civil Engineering	100
18		Introduction to Communication Systems	100
19		Java Programming	100
20		Electrical Machines-III	100
21		Essence of Indian Traditional Knowledge	100
22		Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester)	100
23		Power Semiconductor Drives	100
24		High Voltage Engineering	100
25		Generation of Energy from Waste	100
26		Fundamentals of Urban Planning	100
27		General Mechanical Engineering	100
28		Elements of Embedded Systems	100
29		Management Science	100
30		Power Quality	100
31		Flexible AC Transmission systems	100
32		Electrical Distribution and Automation	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech III Year	32	70.625

**B. Course Relevance**

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

<b>S.no</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Relevance</b>
1	Control Systems	20EE0214	Employability
2	Electrical Measurements and Instrumentation	20EE0216	Employability
3	Control Systems and Simulation Lab	20EE0221	Employability
4	Electrical Measurements Lab	20EE0220	Employability
5	Microprocessors and Microcontrollers	20EC0416	Employability
6	Power System Operation and Control	20EE0224	Employability
7	Power System Analysis	20EE0223	Employability
8	Power Systems and Simulation Lab	20EE0228	Employability
9	English for Corporate Communication Skills Lab	20HS0859	Skill development
10	Intellectual Property Rights	20HS0814	Skill development
11	Microprocessors and Microcontrollers Lab	20EC0418	Employability
12	Relational Data Base Management Systems	20CS0550	Skill development
13	Substation and Automation Lab (Virtual lab)	20EE0229	Employability
14	PLC and Automation Lab	20EE0230	Employability
15	Introduction to Communication Systems	20EC0451	Employability
16	Java Programming	20CS0551	Skill development
17	Electrical Machines-III	20EE0215	Employability
18	Summer Internship 2 Months (Mandatory) after second year (to be evaluated during V semester)	20HS0222	Skill development
19	Power Semiconductor Drives	20EE0225	Employability
20	High Voltage Engineering	20EE0226	Employability
21	Generation of Energy from Waste	20EE0227	Employability

22	Elements of Embedded Systems	20EC0452	Employability
23	Power Quality	20EE0217	Employability
24	Flexible AC Transmission systems	20EE0218	Employability
25	Electrical Distribution and Automation	20EE0219	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: 2**

Approval of course structure and syllabi for IV year B.Tech. under R19 Regulation in EEE w.e.f., 2022-2023.

### **Resolution: 2**

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 IV year B.Tech. under R19 Regulation (given in **Annexure –II** respectively) applicable from the A.Y.2022-23.

#### **A. Course & Syllabus Comparison**

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

#### **IV B.Tech**

S.no	R18 Regulation	R19 Regulation	% of course content changed
1	Electrical Distribution Systems	Electrical Distribution Systems	0
2	Utilization of Electrical Energy	Utilization of Electrical Energy	0
3	Electrical Energy Conservation and Auditing	Electrical Energy Conservation and Auditing	0
4	Wind and Solar Energy Systems	Solar and Wind Energy Systems	0
5	HVDC and FACTS	HVDC Transmission Systems	30
6	Neural Networks and Fuzzy Logic	Neural Networks and Fuzzy Logic	0
7	Project Phase-I	Project Phase-I	0

8	Project Phase-II	Project Phase-II	0
9		Supply Chain Management	100
10		Comprehensive Viva Voce	100
11		Flexible AC Transmission Systems	100
12		Power Semiconductor Drives	100
13		Generation of Energy through Waste	100
14		Reactive Power Compensation and Management	100
15		Internship (60 Hours)	100
16		Seminar	100

### Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
EEE B.Tech IV Year	16	51.875

### 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	Electrical Distribution Systems	19EE0223	Employability
2	Utilization of Electrical Energy	19EE0222	Employability
3	Electrical Energy Conservation and Auditing	19EE0226	Employability
4	Solar and Wind Energy Systems	19EE0228	Employability
5	HVDC Transmission Systems	19EE0230	Employability
6	Neural Networks and Fuzzy Logic	19EE0231	Employability
7	Project Phase-I	19EE0234	Employability
8	Project Phase-II	19EE0237	Employability
9	Comprehensive Viva Voce	19EE0236	Employability

10	Flexible AC Transmission Systems	19EE0225	Employability
11	Power Semiconductor Drives	19EE0227	Employability
12	Generation of Energy through Waste	19EE0229	Employability
13	Reactive Power Compensation and Management	19EE0232	Employability
14	Internship (60 Hours)	19EE0233	Employability
15	Seminar	19EE0235	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: 3**









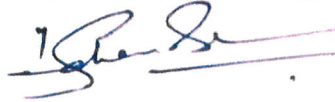
Approval of panel of examiners and question paper setters for various regulations under UG.

**Resolution: 3**

Approved the panel of examiners prepared for valuation and panel of question paper setters (given in **Annexure–III** respectively) 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.

## 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	Dr. J. Gowrishankar	Professor (Power Electronics)	Member	
5	Dr. 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	Executive Engineer, AP Transco, Kalikiri	Member	
10	Miss K Yamini	Assistant Engineer, AP Transco, Tirupati	Member	