



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY - GURAJADA -
VIZIANAGARAM**

VIZIANAGARAM – 535 003 Andhra Pradesh (India)

(Established by Andhra Pradesh Act No.22 of 2021)

**Department of ELECTRICAL AND ELECTRONICS ENGINEERING COURSE STRUCTURE
(Applicable from the academic year 2023-24 onwards)**

B.Tech. III Year-I Semester

S.No	Category	Course Code	Title	L	T	P	C
1	PC		Power Electronics	3	0	0	3
2	PC		Digital Circuits	3	0	0	3
3	PC		Power Systems-II	3	0	0	3
4	PCE-1		1. Signals and Systems 2. Computer Architecture and Organization 3. Communication systems	3	0	0	3
5	OE-1		1. Renewable Energy Sources 2. Electrical Machine Design 3. Intelligent Control Systems	3	0	0	3
6	PC Lab-1		Power Electronics Lab	0	0	3	1.5
7	PC Lab-2		Analog and Digital Circuits Lab	0	0	3	1.5
8	SEC		Soft Skills	0	1	2	2
9	ES		Tinkering Lab	0	0	2	1
10	Internship		Evaluation of Community Service Project Internship (Done during II-II Summer Vacation – 8 Weeks)	0	0	0	2
11	MC		Technical Paper Writing & IPR	2	0	0	0
Total				17	1	10	23