



**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
<b>Total</b>				<b>17</b>	<b>1</b>	<b>10</b>	<b>23</b>