



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY - GURAJADA -  
VIZIANAGARAM**  
**VIZIANAGARAM – 535 003 Andhra Pradesh (India)**  
**(Established by Andhra Pradesh Act No.22 of 2021)**

## **B.Tech. III Year-II Semester**

S.No	Category	Course Code	Title	L	T	P	C
1	PC		Electrical Measurements and Instrumentation	3	0	0	3
2	PC		Microprocessors and Microcontrollers	3	0	0	3
3	PC		Power System Analysis	3	0	0	3
4	PCE - II		1. Switchgear and Protection 2. Advanced Control Systems 3. Renewable and Distributed Energy Technologies	3	0	0	3
5	PCE - III		1. Electric Drives 2. Digital Signal Processing 3. High Voltage Engineering	3	0	0	3
6	OE - II		1. Fundamentals of Electric Vehicles 2. Electrical Wiring Estimation and Costing 3. Utilization of Electrical Energy	3	0	0	3
7	PC Lab-1		Electrical Measurements and Instrumentation Lab	0	0	3	1.5
8	PC Lab-2		Microprocessors and Microcontrollers Lab	0	0	3	1.5
9	SEC		IoT Applications of Electrical Engineering Lab	0	1	2	2
10	AC		Research Methodology	2	0	0	0
<b>Total</b>				<b>20</b>	<b>1</b>	<b>8</b>	<b>23</b>