

## ELECTRICAL CIRCUITS LAB

S.NO.	NAME OF THE EXPERIMENT	NAME OF THE APPARATUS/EQUIPMENT	MAKE	Quantity
1	Verification of Kirchhoff's circuit laws.	KCC and KVL - Kit	<b>M/S SCIENTIFIC ENTERPRISES</b> Hyderabad  INVOICE No:48 Date: 23.02.2024	1
2	Verification of node and mesh analysis.	Node and mesh analysis circuit		1
3	Verification of network reduction techniques	network reduction techniques		1
4	Determination of cold and hot resistance of an electric lamp	Cold and hot resistance of electric lamp		1
5	Determination of Parameters of a choke coil.	Parameter of choke coil		1
6	Determination of self, mutual inductances, and coefficient of coupling	Self and mutual inductance and coefficient of coupling		1
7	Series and parallel resonance	Series & parallel resonance		1
8	Locus diagrams of R-L (L Variable) and R-C (C Variable) series circuits	R-C & R-L series circuit		1
9	Verification of Superposition theorem	super position Theorem Kit		1
10	Verification of Thevenin's and Norton's Theorems	Thevenin's kit		1
11	Verification of Maximum power transfer theorem	Norton's max.powers theorems kit		1
12	Verification of Compensation theorem	compensations theorems kit		1
13	Verification of Reciprocity and Millman's Theorems	reciprocity and mill man's theorems kit		1
		<b>Total Cost</b>	<b>Rs.42,777</b>	