Course Name:	**Elements of Electrical and Electronics Engineering**	**Semester:**	**I/II**
Date of Performance:	**June 22**	**Batch No:**	**E1**
Faculty Name:		**Roll No:**	**16010321005**
Faculty Sign & Date:		**Grade/Marks:**	**/ 25**

Experiment No: 9

Title: Measurement of Power using Two Wattmeter Method

Aim and Objective of the Experiment:

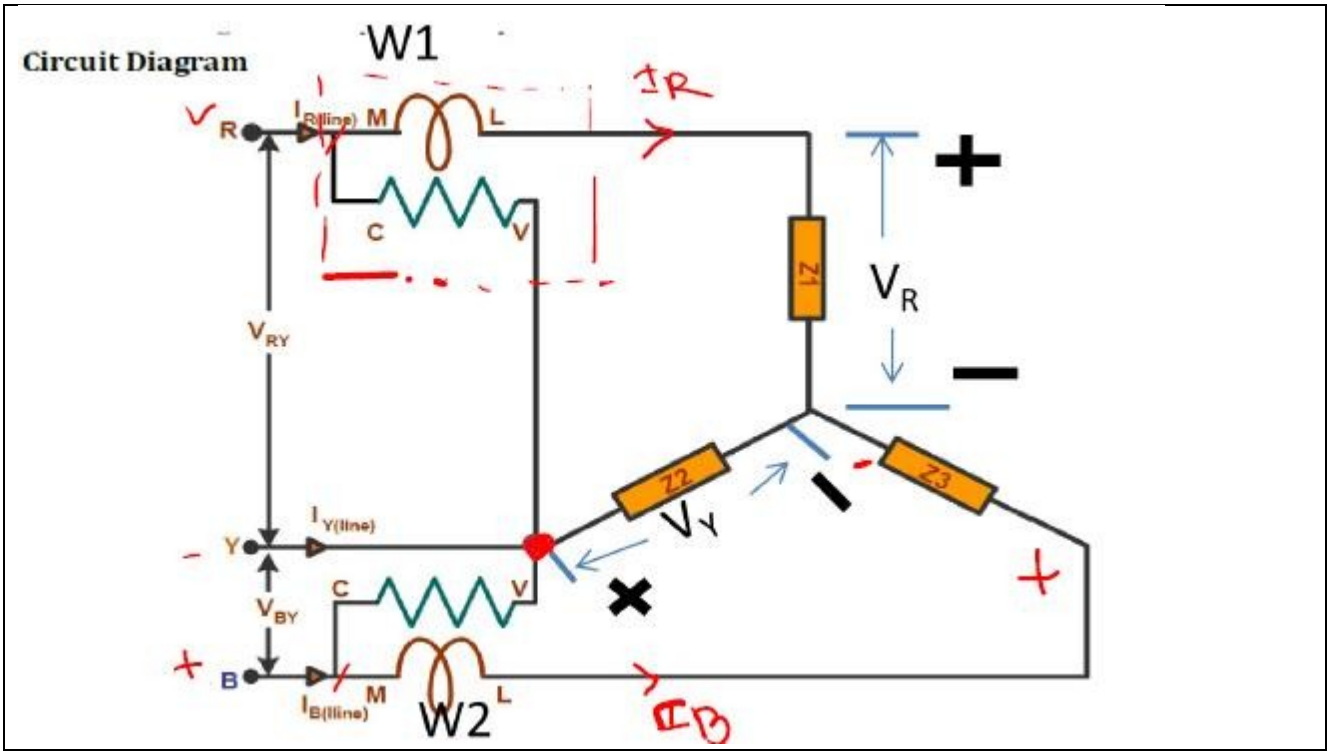
- To measure the power of three phase power using Two Wattmeter Method

COs to be achieved:

CO1: Analyze resistive networks excited by DC sources using various network theorems.

Circuit Diagram/ Block Diagram:

Circuit Diagram



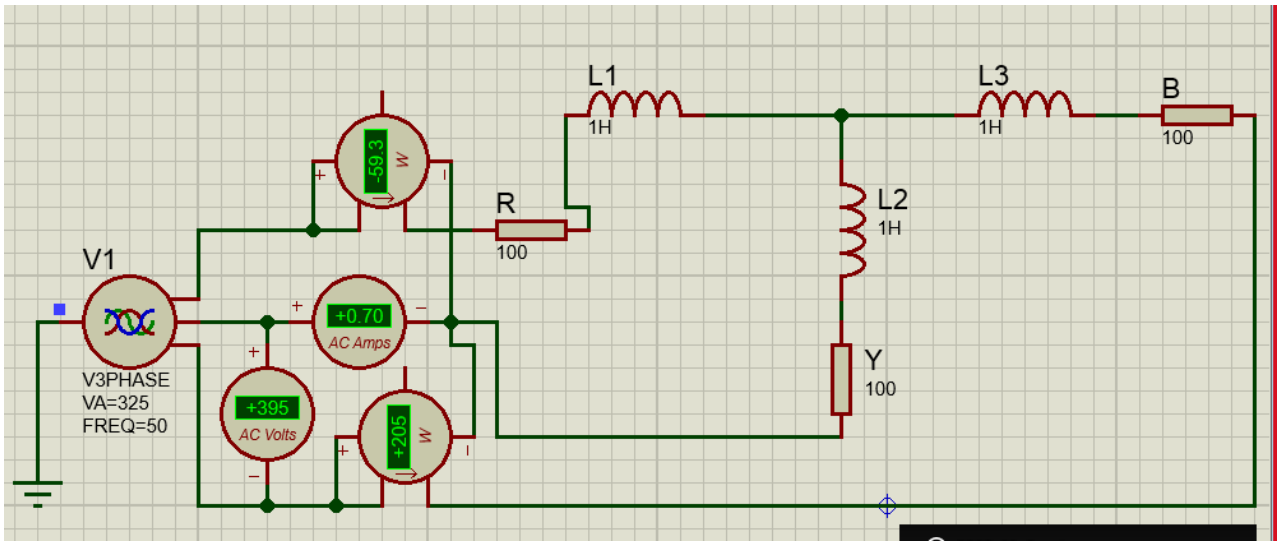
Stepwise-Procedure:

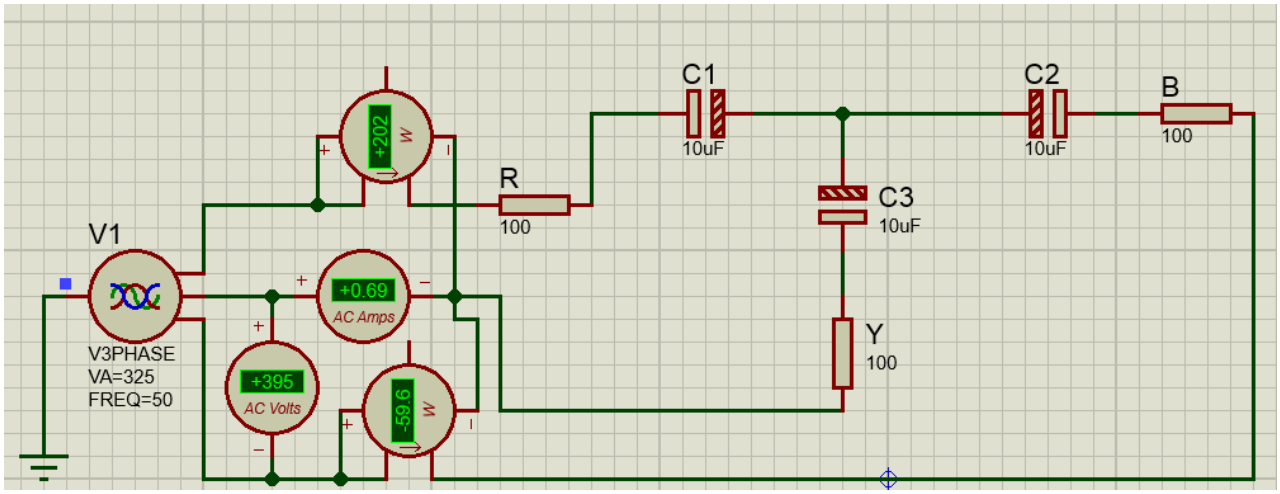
1. 1. Connect the circuit as shown in circuit diagram
2. 2. Increase the load and note down the reading VL,IL,W1 and W2
3. 3. Practically you will obtain total power W=W1+W2
4. 4. Theoretically power is measured by using formula $P=\sqrt{3}V_L I_L \cos\phi$, using $\cos\phi=1$(unity) for resistive load.

Observation Table:

Sr.no	V_L	I_L	W_1	W_2	$W=W_1+W_2$	$P=\sqrt{3}V_L I_L \cos\phi$	Load
1	4.20	0.922	300	310	610	669.9	600
2	422	1.377	450	450	900	1005.1	900
3	420	2.280	750	750	1500	1656.6	1500

Screenshot of Output:





Conclusion:

Hence, we have successfully completed the experiment.

Signature of faculty in-charge with Date: