**EEL1501 Elements of Electrical Engineering Lab L-T-P-0-0-3, Cr: 01**

**List of Experiments**

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| **S. No** | **Name of Experiments** |
| 1. | Verification of Kirchhoff’s (Current and Voltage) Laws. |
| 2. | Verification of Superposition theorem. |
| 3. | Verification of Maximum Power transfer theorem. |
| 4. | To study R-L-C series circuit & find the value of inductance & Draw the Phasor Diagram.  |
| 5. | To study R-L parallel circuit & find the value of inductance & draw the Phasor diagram. |
| 6. | To obtain B-H Curve of a magnetic material. |
| 7. | Measurement of power and power factor in a single phase AC circuit using one wattmeter method. |
| 8. | To find out turns ratio and flux density of a single phase transformer.  |
| 9. | Power measurement in three phase star (λ) connected circuit with balanced and unbalanced loads using two wattmeter method.  |
| 10. | Measurement of energy by a single phase energy meter. |