

ONLINE SUBMISSION OF LAB RECORDS

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|--------------------|------------------------------|----------------------|------------|
| Lab Subject | Basic Electrical Engineering | Submit Date | 30-06-2020 |
| SIC No | 190610193 | Regd. No | 1901209198 |
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| Semester | 2nd | Section/Group | D/D2 |

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| Expt. No. | Details of the Experiment | Page No. |
|-----------|---|----------|
| 1 | Study and verification of Thevenin's theorem. | |
| 2 | Calculation of current, voltage, power and power factor in a series R-L-C circuit excited by 1- Φ AC supply. | |
| 3 | Draw the B-H curve of a magnetic Specimen. | |
| 4 | Study of Florescent lamp and improvement of power factor using Capacitor. | |
| 5 | Connection and testing of Single Phase Energy meter using Unity power factor load. | |
| 6 | To perform the polarity test of a single-phase transformer. | |
| 7 | Measurement of power consumed and power factor by a three-phase resistive load by Two-Wattmeter method | |
| 8 | Study and measurement of armature & field resistance of a D.C. machine. | |
| 9 | To start a single phase permanent capacitor induction run motors. | |
| 10 | To determine the efficiency & voltage regulation of a single-phase (1- ϕ) transformer by Direct loading. | |

UNDERTAKING

I hereby declare that, I had submitted the laboratory records for the experiments which were physically completed in the Institute and the lab record folder is properly preserved by me. In this online submission, I am submitting the lab records for the experiments (as mentioned in the index above) which were explained and demonstrated in online mode. I have written the lab record myself, scanned into PDF format for soft copy submission. I undertake that I will preserve these hard copies with me. After the institute reopens, I will add these pages to the existing lab record folder and submit the complete folder within 7 days of reopening. I understand that, unless I submit the complete lab record folder in hard copy form, the marks awarded in the lab subject may be revoked by the institute.

Anirudh Panda.

Date: 30-06-2020

Full Signature of Student