SIR M VISVESVARAYA   INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagara Bengaluru – 562157

Department of Electrical & Electronics Engineering

Subject: Basic Electrical Laboratory –18ELEL23

Semester: II

Faculty In-Charge:1. Dr. M S Suresh

2. Mrs. Anchal Chhebra

3. Mr. Nitin Kumar Reddy K N

Sl no	Experiment	YouTube Link
1	Verification of KCL and KVL for DC circuits	https://youtu.be/EWddBAknZV8 https://youtu.be/X2roeYf4e7s
2	Measurement of Current, Power and Power Factor of incandescent Lamp, Fluorescent Lamp and LED lamp	https://youtu.be/tR2aYuGksfw
3	Measurement of Resistance and Inductance of a Choke coil using Three Voltmeter Method	https://youtu.be/wUxrJXw8viw
4	Determination of Phase and Line Quantities in Star and Delta Connected Balanced Load	https://youtu.be/vY-BO0VbJlA https://youtu.be/_v6xNh4qF7I
5	Measurement of Three Phase Power using Two Wattmeter Method	https://youtu.be/rfra3OkZeYI
6	Two way and Three way Control of Lamp and Formation of Truth Table	https://youtu.be/YJbATug7K3c https://youtu.be/-HW3zPRttB0
7	Study of Effect of Open and Circuit in Simple dc circuits	https://youtu.be/2zbBzA5t2NM

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Department of Electrical & Electronics Engineering

Subject: Electrical Machines Lab –II -18 EEL47

Semester: IV

Faculty In Charge: 1. Nanda M Shivamoggi 2. Janki B Borad 3.Nitin Kumar Reddy K N, 4. Bhaskar C,

Sl.No.	Name of Experiment	YouTube link
		https://youtu.be/inUv5U5Cr_4
1	Load test on DC shunt motor to draw speed–torques and horse power–efficiency characteristics.	https://youtu.be/gW6hAEmQMlE
2	Speed control of DC shunt motor by armature and field control.	https://youtu.be/MmrNgkLdoEU
3	Swinburne's Test on DC motor.	https://youtu.be/XiFQaFxFCIU
4	Retardation test on DC shunt motor.	https://youtu.be/mODuCqkRuSU
5	Regenerative test on DC shunt machines.	https://youtu.be/s7D32sa8Z-Q
6	Load test on three phase induction motor.	https://youtu.be/1s6NVNHhGmU
7	No-load and Blocked rotor test on three phase induction motor to draw(i)equivalent circuit and(ii)circle diagram. Determination of performance parameters at different load conditions	https://youtu.be/yyHDCMIoVv4
8	Load test on single phase induction motor to draw output versus torque, current, power and efficiency characteristics.	https://youtu.be/N6ajbTg8W-I
9	Conduct suitable tests to draw thee equivalent circuit of single phase induction motor and determine performance parameters.	https://youtu.be/N6ajbTg8W-I
10	Conduct an experiment to draw v and Inverted curves of synchronous motor at no load and load conditions	https://youtu.be/b6JhQ0bcRes

Department of Electrical & Electronics Engineering

Subject: OP-AMP & Linear ICs LAB.

Semester: IV

Subject code: 18EEL48

Lab In charge: D.Beula

Faculties participated in video recording

1. D. Beula, 2. Vidyashree,   3. Vaasanthi

Sl.no	Experiment	You tube link
1.	Design & Realization of R-2R ladder DAC	https://www.youtube.com/watch?v=9xuOPiDp4i4&list=PL_GtfiObtLT7qP9k5JnDSSFoREa16daNo&index=4
2.	Design & verify an IC555 Timer based pulse generator for the specified pulse	https://youtu.be/kIEqo4_hPIg
3.	Designing of fixed voltage power supply using IC regulators 78 & 79 series	https://youtu.be/dklQ37eH1Cw
4.	Design of function generator to generate sine, square & triangular waveform of desired frequency	https://youtu.be/2Fd5PJ69j7M
5.	Design and realize Schmitt trigger using operational amplifier for desired UTP & LTP	https://youtu.be/g0AdepTm-RE
6.	Design & realize an op-amp based 1st order butterworth lowpass, highpass & bandpass filter for a given cutoff frequency	https://youtu.be/Lto49d0vK4M https://youtu.be/TwhCXxPtmoA
7.	Realize two-bit flash ADC	https://youtu.be/GjYuSVneyRM

Department of Electrical & Electronics Engineering

Subject: Control system laboratory.-17EEL67

Semester: VI

Faculty In-Charge: 1. Kumarswamy R

2. Rekha Radhakrishnan. K

Sl.no	Experiment	You tube link
1.	Characteristics of AC Servo motor	https://youtu.be/J5rm5J8GG84
2.	Characteristics of DC Servo motor	https://youtu.be/Gul5U0BKtbI
3.	Design and analysis of lead compensator	https://youtu.be/uER4u0XeagM
4.	Design and analysis of lag compensator	https://youtu.be/eiaT4w1iEpM
5.	Design and analysis of lag-lead compensator	https://youtu.be/RJ0yiQvcpxk
6.	Frequency response of second order system	https://youtu.be/qKNHcujnIcU
7.	Synchro pair characteristics	https://youtu.be/jKzNhWrrEhE