

Name of the Lab : Control and Instrumentation Laboratory (EEE)

EE8511(ODD Semester)

Regulation 2017

Virtual Link

S.NO.	NAME OF THE EXPERIMENT	HYPER LINK
Control systems:		
1	P, PI and PID controllers	https://www.youtube.com/watch?v=NiJoIgxwolg
2	Stability Analysis	https://www.youtube.com/watch?v=3sVFqNLcL5I
3	Modeling of Systems – Machines, Sensors and Transducers	https://www.youtube.com/watch?v=tCpChoMWhjE https://www.youtube.com/watch?v=ayBygdo8g0
4	Design of Lag, Lead and Lag-Lead Compensators	https://www.youtube.com/watch?v=o2qUPoU4tw
5	Position Control Systems	https://www.youtube.com/watch?v=A9MgLgMq1Ng
6	Synchro-Transmitter- Receiver and Characteristics Simulation of Control Systems by Mathematical development	https://www.youtube.com/watch?v=DyI7OieCbxs
Instrumentation:		
7	Bridge Networks –AC and DC Bridges	https://www.youtube.com/watch?v=o2qUPoU4tw
8	Dynamics of Sensors/Transducers	https://www.youtube.com/watch?v=BIf_mpnsvY
9	Dynamics of Sensors/Transducers a)Temperature(b) pressure (c) Displacement (d) Optical (e) Strain (f)Flow	https://www.youtube.com/watch?v=fv-p1xJo1D0 https://www.youtube.com/watch?v=wpAA3qeOYiI https://www.youtube.com/watch?v=gmpBQJeX7zw
10	Power and Energy Measurement	https://www.youtube.com/watch?v=BErVoBvZExg
11	Signal Conditioning (a)Instrumentation Amplifier(Analog – Digital and Digital –Analog converters (ADC and DACs)	https://www.youtube.com/watch?v=d7aZKfW3tLk https://www.youtube.com/watch?v=tABS7AX8D8
12	Process Simulation	https://www.youtube.com/watch?v=J1-tzQtqifU