



List of Experiments

1. Error Detector Using Potentiometer and Synchros.
2. Time Response Behavior of Different Blocks of Control System.
3. System Identification.
4. Ziegler-Nichols tuning of PID Controller.
5. To study the effect of addition of pole on transient response to the second order closed loop control system by using MATLAB & LABVIEW.
6. To study the stability analysis of linear system.
7. To study the effect of addition of zero & pole to open loop transfer function of second order unity feedback control system by using root locus technique (using MATLAB& LABVIEW).
8. To study the effect of addition of pole on frequency response to the second order closed loop control system by using MATLAB & LABVIEW.

Additional Experiments

9. To study the frequency response of Lag, Lead, Lag-Lead network.
10. To study the speed characteristics of BLDC Motor.

List of Major Equipment's

1. Temp. Control System Trainer
2. BLDC Motor trainer system
3. PID Controller
4. Relay Control System
5. Stability analysis of Linear System
6. Transducer Instrumentation & Control trainer
7. Qbot
8. AERO
9. Inverted Pendulum