

RO8412 LIC AND CONTROL SYSTEMS LABORATORY

DETAILED SYLLABUS

OBJECTIVES:

- To impart launch on experience in 56 characterizing different LIC
- To train the students in MATLAB simulation of study the characteristics of LIC

LIST OF EXPERIMENTS:

- 1 Characteristics and Applications of Op-Amp.
2. Waveform Generation using Op-Amp.
3. Performance characteristics of Voltage Regulator Ics.
4. Study of 555 Timer and 566 VCO.
5. Design and Implementation of Active Filters.
6. Determination of transfer function of DC servomotor.
7. Determination of transfer function of AC servomotor and study of synchros.
8. Time domain Response of first order and second order systems using MATLAB.
9. Frequency response of first and second order system using MATLAB.
10. Characteristics of PID controllers using MATLAB.