

Faculty of Engineering & Technology

Control Systems

| Information : | | | | | |
|--|-------|---|---------------|----------------|-------------|
| Course Code : EED302 | Level | : | Undergraduate | Course Hours : | 3.00- Hours |
| Department : Communication and Computer Engineering | | | | | |
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| Description : | | | | | |
| Introduction to feedback control systems. Block diagram reduction. Steady-state error. Transient response analysis: maximum overshoot, settling time, rise time and peak time. System stability and Routhos criterion. Root-Locus analysis: asymptotes, breakaway points, angles of departure. Design of PID controller using root-locus. Frequency response analysis techniques and Bode diagrams. Design of series compensators using Bode Diagrams. | | | | | |

Applications using Matlab.