

SYLLABUS :-

Review of classical control concepts, State space and state variables, feedback and state variable equations, Controllability, Observability, Solutions in state space, Sampled data and digital systems, Stability in continuous and discrete time systems, Optimal control concepts - maximum principle, various performance indices, Regulators and filters, Introduction to structural control - various types of feed-backs, effects of collocation and non-collocation of actuator and sensors, etc., Design of controllers in state space