SYLLABUS :-

Monitoring 1 Machine Tool Monitoring - Condition Monitoring 2 Manufacturing Process Monitoring (Welding, machining etc) 3 Online and Offline Quality Control. 4 Tool condition monitoring, Case studies. 5 Application of soft computing methods (example: ANN) in tool condition monitoring. Control Fundamentals of numerical control NC part programming Interpolation PLC based controls Process optimisation, adaptive control, sensors