

EEE561 Measurement and Instrumentation II

Electrical transducer; industrial transducers and measurement systems. Opto-electronic and related systems. Digital electronic measuring system. Data logging; AD and DA conversion, types and application.

Introduction to design of electronic equipments, specifications including environmental factors such as vibration, humidity and temperature. Tolerance and safety measures. Reliability and testing. Duplication of least reliable parts (standby). Ergonomics, aesthetics and economics. Miniature and Microminiature construction using printed circuit and integrated circuits. Maintainability. Computer design methods.