

NPTEL LINKS

Semester : - EEE VII

Subject : - ADVANCED INSTRUMENTATION

Section	TOPIC	NPTEL Links
A	Functional block diagram of generalized Instrumentation system	http://nptel.ac.in/courses/108105064/
	Input-output configuration	http://nptel.ac.in/courses/108105064/
	Specifications under steady & transient state & their performance characteristics.	http://nptel.ac.in/courses/108105064/
B	REVIEW OF SENSORS AND TRANSDUCERS: Temperature, pressure, displacement, velocity, acceleration, strain and torque type.	http://nptel.ac.in/courses/108105064/
	NOISE: Characteristics & Measurements of signal in the presence of noise.	http://nptel.ac.in/courses/108105064/
C	Current & voltage sensitive bridges, Blumlein Bridges,	http://nptel.ac.in/courses/108105064/
	Shielding & grounding, Instrumentation Amplifier & its Characteristics	http://nptel.ac.in/courses/108105064/
	Linearizing circuits, Wave form and frequency conversion, Active filters,	http://nptel.ac.in/courses/108105064/
	A/D & D/A converters; Balanced modulators & demodulators	http://nptel.ac.in/courses/108105064/
D	Interfacing of 8051 Microcontroller with (a) ADC and DAC,	http://nptel.ac.in/courses/108105064/
	Interfacing of 8051 Microcontroller with (b) Alphanumeric Devices (Sixteen-segment Display, Dot Matrix Displays, LCD Display).	http://nptel.ac.in/courses/108105064/