

NPTEL LINKS

Sem : - **IV (ECE)**

Subject : - **ANALOG ELECTRONICS**

Section	TOPIC	NPTEL Links
A	Review of P-N junction and Characteristics	http://nptel.ac.in/courses/117107095/
	P-N junction as a rectifier	http://nptel.ac.in/courses/108105066/PDF/L-2(DK)(PE)%20((EE)NPTEL).pdf
	Switching characteristics of Diode, Diode as a circuit element, the load-line concept	http://nptel.ac.in/courses/122104013/node18.html http://textofvideo.nptel.iitm.ac.in/117103063/lec4.pdf
B	Review of device structure operation and V-I characteristics. Circuits at DC, MOSFET as Amplifier and switch	http://textofvideo.nptel.iitm.ac.in/117103063/lec21.pdf
	Biasing in MOS amplifier circuits, small-signal operation and models, single stage MOS amplifier	http://textofvideo.nptel.iitm.ac.in/117103063/lec23.pdf
C	Review of device structure operation and V-I characteristics, BJT circuits at DC, BJT as amplifier and switch, biasing in BJT amplifier circuit, small-signal operation and models, single stage BJT amplifier, BJT internal capacitances and high frequency model, frequency response of CE amplifier	http://nptel.ac.in/courses/117107095/
D	Inverting and non-inverting configurations, difference amplifier, Effect of finite	http://nptel.ac.in/courses/117107094/lecturers/lecture_8/lecture8_page1.htm
	open loop gain and bandwidth on circuit performance, Large signal operation of op-amp.	http://nptel.ac.in/courses/117107094/lecturers/lecture_8/lecture8_page2.htm
	Feed back Differential Amplifier	http://textofvideo.nptel.iitm.ac.in/117103063/lec30.pdf http://nptel.ac.in/courses/117106030/ http://nptel.ac.in/courses/117107094/lecturers/lecture_3/lecture3_page2.htm