



COLLEGE OF ENGINEERING & TECHNOLOGY

B.E. 1st year

SUBJECT: PHYSICS

SUBJECT CODE: 3110018

Sr. No.	Topic	Link	By
1.	Electronic Materials	https://youtu.be/G41t_0CqPzY	NPTEL
2.	Kronig penny model & E-K diagram	https://youtu.be/7zpz6fe54Wg	Youtube
3.	Direct & indirect band gap	https://youtu.be/x3LOTaEVLak	Youtube
4.	Semiconductor, pn junction	https://youtu.be/03j4ZvQCKWY	Youtube
5.	Light-semiconductor interaction	https://youtu.be/Xpw_V49U_vU	NPTEL
6.	Fermi Golden rule	https://youtu.be/fTLTSnqVnNA	Youtube
7.	Photovoltaic cell	https://youtu.be/L_q6LRgKpTw	Youtube
8.	Drude Model	https://youtu.be/QvPSVwzU-8A	Youtube
9.	Two probe and four probe methods- van der Pauw method	https://youtu.be/Nuw-c9gxShw	Vidya mitra
10.	Using Hall Effect Measurement to Determine Mobility, Carrier Type and Concentration	https://youtu.be/bAkNC1wIGc	Youtube
11.	DLTS	https://youtu.be/NJxLR-TnVi8	Youtube
12.	UV-VIS Spectrometer	https://youtu.be/1FQPXtN7Mel	Youtube
13.	Superconductivity	https://youtu.be/D-9M3GWOBrw	NPTEL
14.	Meissner effect	https://youtu.be/w8mqdmAz4fU	Ashish arora
15.	Josephson effect	https://youtu.be/Je6e6deZR5Q	NPTEL