



**AMIRAJ**  
COLLEGE OF ENGINEERING & TECHNOLOGY

**B.E. 1<sup>st</sup> year**

**SUBJECT: PHYSICS**

**SUBJECT CODE: 3110011**

<b>Sr. No.</b>	<b>Topic</b>	<b>Link</b>	<b>By</b>
1.	Stress vs strain curve	<a href="https://youtu.be/eW51CEtjN4w">https://youtu.be/eW51CEtjN4w</a>	Khan academy
2.	Hook's law	<a href="https://youtu.be/PWQm4ynYVSE">https://youtu.be/PWQm4ynYVSE</a>	Youtube
3.	Torsional pendulum	<a href="https://youtu.be/mWkgkziFnl">https://youtu.be/mWkgkziFnl</a>	Youtube
4.	Cantilever depression	<a href="https://youtu.be/pcOh_m5ZcRE">https://youtu.be/pcOh_m5ZcRE</a>	Youtube
5.	Simple harmonic motion	<a href="https://youtu.be/tudxily5Qu0">https://youtu.be/tudxily5Qu0</a>	Youtube
6.	Forced vibration (Damped Undamped)	<a href="https://youtu.be/YoLwLV_CM1Q">https://youtu.be/YoLwLV_CM1Q</a>	NPTEL
7.	Reverberation time and Sabine's formula	<a href="https://youtu.be/yNftd80iCHU">https://youtu.be/yNftd80iCHU</a>	Youtube
8.	Ultrasound production	<a href="https://youtu.be/hhJj36mQbaw">https://youtu.be/hhJj36mQbaw</a>	NPTEL
9.	Superconductivity	<a href="https://youtu.be/D-9M3GWOBrw">https://youtu.be/D-9M3GWOBrw</a>	NPTEL
10.	Meissner effect	<a href="https://youtu.be/w8mqdmAz4fU">https://youtu.be/w8mqdmAz4fU</a>	Ashish arora
11.	Josephson effect	<a href="https://youtu.be/Je6e6deZR5Q">https://youtu.be/Je6e6deZR5Q</a>	NPTEL
12.	Laser basics	<a href="https://youtu.be/FNp81kkxj5c">https://youtu.be/FNp81kkxj5c</a>	NPTEL
13.	Properties of laser and its applications	<a href="https://youtu.be/PK4yFaGHSFc">https://youtu.be/PK4yFaGHSFc</a>	NPTEL
14.	Interaction of light with matter	<a href="https://youtu.be/lVagn7cilg8">https://youtu.be/lVagn7cilg8</a>	NPTEL
15.	Einstein concept of Laser	<a href="https://youtu.be/PQTMBlHhCY8">https://youtu.be/PQTMBlHhCY8</a>	NPTEL
16.	Calculation of Einstein's coefficient	<a href="https://youtu.be/TvfiZHxUtXg">https://youtu.be/TvfiZHxUtXg</a>	NPTEL
17.	Population inversion, 2-level and 3-level system	<a href="https://youtu.be/B2a2z7QEkvw">https://youtu.be/B2a2z7QEkvw</a>	NPTEL
18.	Components of Laser	<a href="https://youtu.be/6DNLOt87yPA">https://youtu.be/6DNLOt87yPA</a>	NPTEL