

## I YEAR - NPTEL VIDEO LINKS ( COMMON TO ALL BRANCHES)

### Communicative English

Sl.No	Topic	Link
<u>1</u>	<u>Verbal Communications</u>	<u>Communications</u> <a href="https://nptel.ac.in/courses/109104031/2">https://nptel.ac.in/courses/109104031/2</a> <a href="https://nptel.ac.in/courses/109104031/3">https://nptel.ac.in/courses/109104031/3</a> <a href="https://nptel.ac.in/courses/109104031/4">https://nptel.ac.in/courses/109104031/4</a>
<u>2</u>	<u>Non verbal communications</u>	<a href="https://nptel.ac.in/courses/109104031/5">https://nptel.ac.in/courses/109104031/5</a> <a href="https://nptel.ac.in/courses/109104031/6">https://nptel.ac.in/courses/109104031/6</a> <a href="https://nptel.ac.in/courses/109104031/7">https://nptel.ac.in/courses/109104031/7</a> <a href="https://nptel.ac.in/courses/109104031/8">https://nptel.ac.in/courses/109104031/8</a> <a href="https://nptel.ac.in/courses/109104031/9">https://nptel.ac.in/courses/109104031/9</a>
<u>3</u>	<u>Listening skills</u>	<a href="https://nptel.ac.in/courses/109104031/10">https://nptel.ac.in/courses/109104031/10</a> <a href="https://nptel.ac.in/courses/109104031/11">https://nptel.ac.in/courses/109104031/11</a> <a href="https://nptel.ac.in/courses/109104031/12">https://nptel.ac.in/courses/109104031/12</a>
<u>4</u>	<u>Business letter writing</u>	<a href="https://nptel.ac.in/courses/109104031/13">https://nptel.ac.in/courses/109104031/13</a> <a href="https://nptel.ac.in/courses/109104031/14">https://nptel.ac.in/courses/109104031/14</a> <a href="https://nptel.ac.in/courses/109104031/15">https://nptel.ac.in/courses/109104031/15</a> <a href="https://nptel.ac.in/courses/109104031/16">https://nptel.ac.in/courses/109104031/16</a>
<u>5</u>	<u>Report writing</u>	<a href="https://nptel.ac.in/courses/109104031/17">https://nptel.ac.in/courses/109104031/17</a> <a href="https://nptel.ac.in/courses/109104031/18">https://nptel.ac.in/courses/109104031/18</a>

### Engineering mathematics-I

Sl.No	Topic	Link
<u>1</u>	<u>Modules</u>	<a href="https://nptel.ac.in/courses/downloads/111105035/Assignment_and_Solutions_Module%203.pdf">https://nptel.ac.in/courses/downloads/111105035/Assignment_and_Solutions_Module%203.pdf</a> <a href="https://nptel.ac.in/courses/downloads/111105035/Assignment_and_Solutions_Module%201.pdf">https://nptel.ac.in/courses/downloads/111105035/Assignment_and_Solutions_Module%201.pdf</a> <a href="https://nptel.ac.in/courses/downloads/111105035/Assignment_and_Solutions_Module%202.pdf3">https://nptel.ac.in/courses/downloads/111105035/Assignment_and_Solutions_Module%202.pdf3</a> <a href="https://nptel.ac.in/courses/downloads/111105035/Assignment_and_Solutions_Module%204.pdf">https://nptel.ac.in/courses/downloads/111105035/Assignment_and_Solutions_Module%204.pdf</a>
<u>2</u>	<u>Matrix</u>	<a href="https://nptel.ac.in/courses/111105035/10">https://nptel.ac.in/courses/111105035/10</a> <a href="https://nptel.ac.in/courses/111105035/5">https://nptel.ac.in/courses/111105035/5</a>

		<a href="https://nptel.ac.in/courses/111105035/14">https://nptel.ac.in/courses/111105035/14</a>
<u>3</u>	<u>Integrals</u>	<a href="https://nptel.ac.in/courses/111105035/14">https://nptel.ac.in/courses/111105035/14</a> <a href="https://nptel.ac.in/courses/111105035/17">https://nptel.ac.in/courses/111105035/17</a> <a href="https://nptel.ac.in/courses/111105035/19">https://nptel.ac.in/courses/111105035/19</a>

### Engineering Physics:

<u>Sl.No</u>	<u>Topic</u>	<u>Link</u>
<u>1</u>	<u>Properties of matters</u>	<a href="https://nptel.ac.in/courses/112104203/4">https://nptel.ac.in/courses/112104203/4</a> <a href="https://nptel.ac.in/courses/112104203/5">https://nptel.ac.in/courses/112104203/5</a> <a href="https://nptel.ac.in/courses/112104203/6">https://nptel.ac.in/courses/112104203/6</a> <a href="https://nptel.ac.in/courses/112104203/23">https://nptel.ac.in/courses/112104203/23</a>
<u>2</u>	<u>Fiber optics</u>	<a href="https://nptel.ac.in/courses/115107095/2">https://nptel.ac.in/courses/115107095/2</a> <a href="https://nptel.ac.in/courses/115107095/4">https://nptel.ac.in/courses/115107095/4</a> <a href="https://nptel.ac.in/courses/115107095/5">https://nptel.ac.in/courses/115107095/5</a> <a href="https://nptel.ac.in/courses/115107095/11">https://nptel.ac.in/courses/115107095/11</a>
<u>3</u>	<u>Thermal physics</u>	<a href="https://cosmolearning.org/video-lectures/meaning-temperature-heat-2/">https://cosmolearning.org/video-lectures/meaning-temperature-heat-2/</a> <a href="https://cosmolearning.org/video-lectures/first-law-thermodynamics-2/">https://cosmolearning.org/video-lectures/first-law-thermodynamics-2/</a> <a href="https://cosmolearning.org/video-lectures/adiabatic-processes-3/">https://cosmolearning.org/video-lectures/adiabatic-processes-3/</a>

### Engineering Chemistry:

<u>Sl.No</u>	<u>Topic</u>	<u>Link</u>
<u>1</u>	Water Treatment System Unit Operations	<a href="https://www.youtube.com/watch?v=6u9L0nVUYPY">https://www.youtube.com/watch?v=6u9L0nVUYPY</a> <a href="https://www.youtube.com/watch?v=p4j8-EQG9nc">https://www.youtube.com/watch?v=p4j8-EQG9nc</a>
<u>2</u>	Composition of Alloys Heat Treat Oil Quenching	<a href="https://www.youtube.com/watch?v=djIzXvwIz5U">https://www.youtube.com/watch?v=djIzXvwIz5U</a> <a href="https://www.youtube.com/watch?v=WKfeYr2Adv0">https://www.youtube.com/watch?v=WKfeYr2Adv0</a> <a href="https://www.youtube.com/watch?v=6Lo7vMgU-90">https://www.youtube.com/watch?v=6Lo7vMgU-90</a>
<u>3</u>	Composition of Alloys Heat Treat Oil Quenching	<a href="https://www.youtube.com/watch?v=9fwhuzE4_9c">https://www.youtube.com/watch?v=9fwhuzE4_9c</a> <a href="https://www.youtube.com/watch?v=XN0LF2t-tf0">https://www.youtube.com/watch?v=XN0LF2t-tf0</a> <a href="https://www.youtube.com/watch?v=Gmqkuc-n_IU">https://www.youtube.com/watch?v=Gmqkuc-n_IU</a>

4	Fuels -1 Introduction, Classification, Calorific Value Fractional Distillation	<a href="https://www.youtube.com/watch?v=jRVg4ue-Ic&amp;list=PL2FUpm_Ld1Q3SMzKn-CTI2gOr4uaH-m6L">https://www.youtube.com/watch?v=jRVg4ue-Ic&amp;list=PL2FUpm_Ld1Q3SMzKn-CTI2gOr4uaH-m6L</a>  <a href="https://www.youtube.com/watch?v=KCs1F_44dy4&amp;list=PLuMM97PckC8yNvb42SfviW5Ie84hzZZoi">www.youtube.com/watch?v=KCs1F_44dy4&amp;list=PLuMM97PckC8yNvb42SfviW5Ie84hzZZoi</a>
5.	Nuclear Energy Nuclear Fission Nuclear Fusion Inside a nuclear reactor core	<a href="https://www.youtube.com/watch?v=6axVVhi62ac">https://www.youtube.com/watch?v=6axVVhi62ac</a>  <a href="https://www.youtube.com/watch?v=MGj_aJz7cTs">https://www.youtube.com/watch?v=MGj_aJz7cTs</a>

### Problem solving and python programming

Sl.No	Topic	Link
1	Python basics	<a href="https://nptel.ac.in/courses/117106113/1">https://nptel.ac.in/courses/117106113/1</a> <a href="https://nptel.ac.in/courses/117106113/2">https://nptel.ac.in/courses/117106113/2</a>
2	Python control statements	<a href="https://nptel.ac.in/courses/117106113/3">https://nptel.ac.in/courses/117106113/3</a> <a href="https://nptel.ac.in/courses/117106113/4">https://nptel.ac.in/courses/117106113/4</a>
3	Python scripting	<a href="https://nptel.ac.in/courses/117106113/34">https://nptel.ac.in/courses/117106113/34</a> <a href="https://nptel.ac.in/courses/117106113/39">https://nptel.ac.in/courses/117106113/39</a>
4.	Python data structures	<a href="https://nptel.ac.in/courses/117106113/41">https://nptel.ac.in/courses/117106113/41</a> <a href="https://nptel.ac.in/courses/117106113/40">https://nptel.ac.in/courses/117106113/40</a>
5	Python files	<a href="https://nptel.ac.in/courses/117106113/35">https://nptel.ac.in/courses/117106113/35</a> <a href="https://nptel.ac.in/courses/115107095/11">https://nptel.ac.in/courses/115107095/11</a>

### Engineering graphics:

Sl.No	Topic	Link
1	Drawing basics	<a href="https://nptel.ac.in/courses/112104172/1">https://nptel.ac.in/courses/112104172/1</a> <a href="https://nptel.ac.in/courses/112104172/2">https://nptel.ac.in/courses/112104172/2</a>
2	Free hand sketching	<a href="https://nptel.ac.in/courses/112104172/3">https://nptel.ac.in/courses/112104172/3</a> <a href="https://nptel.ac.in/courses/112104172/4">https://nptel.ac.in/courses/112104172/4</a>
3	Projection of surface	<a href="https://nptel.ac.in/courses/112104172/5">https://nptel.ac.in/courses/112104172/5</a> <a href="https://nptel.ac.in/courses/112104172/6">https://nptel.ac.in/courses/112104172/6</a>

4.	Development Surface	<a href="https://nptel.ac.in/courses/112104172/2">https://nptel.ac.in/courses/112104172/2</a> <a href="https://nptel.ac.in/courses/112104172/7">https://nptel.ac.in/courses/112104172/7</a>
5	Isometric projection	<a href="https://nptel.ac.in/courses/112104172/12">https://nptel.ac.in/courses/112104172/12</a> <a href="https://nptel.ac.in/courses/112104172/17">https://nptel.ac.in/courses/112104172/17</a>