

## SUBJECT WEB SOURCE REFERENCES LIST

### 1<sup>st</sup> SEMESTER

Sr.No	Subject Code	Subject Name	Web Source References
1	BTPH101	Engineering Physics	<ul style="list-style-type: none"><li>• <a href="http://nptel.ac.in/courses/106102064/">http://nptel.ac.in/courses/106102064/</a></li></ul>
2	BTAM101	Engineering Mathematics-I	<ul style="list-style-type: none"><li>• <a href="http://nptel.ac.in/courses/106102064/">http://nptel.ac.in/courses/106102064/</a></li><li>• <a href="http://www.math.klte.hu/~muzsnay/Pdf/0607EN/3_partial_dif_1.pdf">www.math.klte.hu/~muzsnay/Pdf/0607EN/3_partial_dif_1.pdf</a></li><li>• <a href="http://en.wikipedia.org/wiki/Vector_calculus">en.wikipedia.org/wiki/Vector_calculus</a></li></ul>
3	BTHU101	Communicative English	<ul style="list-style-type: none"><li>• <a href="http://www.wikihow.com/Prepare-a-Professional-Report">http://www.wikihow.com/Prepare-a-Professional-Report</a></li><li>• <a href="http://www.cse.iitk.ac.in/users/braman/students/good-report.html">http://www.cse.iitk.ac.in/users/braman/students/good-report.html</a></li><li>• <a href="http://ctb.ku.edu/en/table-of-contents/leadership/group-facilitation/group-discussions/main">http://ctb.ku.edu/en/table-of-contents/leadership/group-facilitation/group-discussions/main</a></li><li>• <a href="http://career-advice.monster.com/job-interview/interview-preparation/boost-your-interview-iq/article.aspx">http://career-advice.monster.com/job-interview/interview-preparation/boost-your-interview-iq/article.aspx</a></li><li>• <a href="http://www.kent.ac.uk/careers/intervw.htm">http://www.kent.ac.uk/careers/intervw.htm</a></li><li>• <a href="http://lorien.ncl.ac.uk/ming/dept/Tips/present/comms.htm">http://lorien.ncl.ac.uk/ming/dept/Tips/present/comms.htm</a></li><li>• <a href="http://www.businessdictionary.com/definition/summary.html">http://www.businessdictionary.com/definition/summary.html</a></li></ul>
4	BTEE 101	Basic Electrical and Electronics Engineering	<ul style="list-style-type: none"><li>• <a href="http://www.neptel.in">www.neptel.in</a></li></ul>
5	HVPE101	Human Values and Professional Ethics	<ul style="list-style-type: none"><li>• <a href="http://niyatigarg.files.wordpress.com/2011/08/question-bank1.pdf">http://niyatigarg.files.wordpress.com/2011/08/question-bank1.pdf</a></li></ul>
6	BTMP101	Manufacturing Practice	<ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=d1wHMbVmuBQ">https://www.youtube.com/watch?v=d1wHMbVmuBQ</a></li></ul>

### 2<sup>nd</sup> SEMESTER

Sr.No	Subject Code	Subject Name	Web Source References
1	BTCH 101	Engineering Chemistry	<ul style="list-style-type: none"><li>• <a href="http://www.neptel.in">www.neptel.in</a></li></ul>
2	BTAM102	Engineering Mathematics-II	<ul style="list-style-type: none"><li>• <a href="http://nptel.ac.in/courses/106102064/">http://nptel.ac.in/courses/106102064/</a></li></ul>

3	BTME101	Elements of Mechanical Engineering	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112106133/">http://nptel.ac.in/courses/112106133/</a></li> <li>• <a href="https://www.youtube.com/watch?v=fNcZDrfT498">https://www.youtube.com/watch?v=fNcZDrfT498</a></li> </ul>
4	BTCS 101	Fundamentals of Computer Programming and IT	<ul style="list-style-type: none"> <li>• <a href="http://www.xconomy.com/boston/2010/01/20/hardware-vs-software/">http://www.xconomy.com/boston/2010/01/20/hardware-vs-software/</a></li> <li>• <a href="http://www.pcworld.com/article/2359682/meet-the-future-of-computing-10-killer-hardware-advancements-from-computex-2014.html">http://www.pcworld.com/article/2359682/meet-the-future-of-computing-10-killer-hardware-advancements-from-computex-2014.html</a></li> <li>• <a href="http://www.cprogramming.com/tutorial.html">http://www.cprogramming.com/tutorial.html</a></li> </ul>
5	EVSC 101	Environmental Science	<ul style="list-style-type: none"> <li>• <a href="http://www.wildernessproject.org/">www.wildernessproject.org/</a></li> <li>• <a href="http://www.aerfindia.org/">www.aerfindia.org/</a></li> </ul>
6	BTME102	Engineering Drawing	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112105126/">http://nptel.ac.in/courses/112105126/</a></li> <li>• <a href="http://nptel.ac.in/courses/112104138/">http://nptel.ac.in/courses/112104138/</a></li> </ul>

### 3<sup>rd</sup> SEMESTER

Sr.No	Subject Code	Subject Name	Web Source References
1	BTME301	Strength of Materials- I	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112106141/">http://nptel.ac.in/courses/112106141/</a></li> </ul>
2	BTME302	Theory of Machines-I	<ul style="list-style-type: none"> <li>• <a href="https://www.google.co.in/?gfe_rd=cr&amp;ei=n1qaVLeACOLA8geI7YCoBQ&amp;gws_rd=ssl#q=ppt+on+governors">https://www.google.co.in/?gfe_rd=cr&amp;ei=n1qaVLeACOLA8geI7YCoBQ&amp;gws_rd=ssl#q=ppt+on+governors</a></li> <li>• <a href="https://www.google.co.in/?gfe_rd=cr&amp;ei=n1qaVLeACOLA8geI7YCoBQ&amp;gws_rd=ssl#q=pdf+on+friction+brake">https://www.google.co.in/?gfe_rd=cr&amp;ei=n1qaVLeACOLA8geI7YCoBQ&amp;gws_rd=ssl#q=pdf+on+friction+brake</a></li> </ul>
3	BTME303	Machine Drawing	<ul style="list-style-type: none"> <li>• <a href="https://www.youtube.com/watch?v=kY5O8THPPI0">https://www.youtube.com/watch?v=kY5O8THPPI0</a></li> <li>• <a href="https://www.youtube.com/watch?v=zyPwfLwAOEY">https://www.youtube.com/watch?v=zyPwfLwAOEY</a></li> <li>• <a href="https://www.youtube.com/watch?v=Olez_ClCKaA">https://www.youtube.com/watch?v=Olez_ClCKaA</a></li> <li>• <a href="https://www.youtube.com/watch?v=jAqTQdE-mpE">https://www.youtube.com/watch?v=jAqTQdE-mpE</a></li> </ul>
4	BTME304	Applied Thermodynamics -I	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112106133/">http://nptel.ac.in/courses/112106133/</a></li> <li>• <a href="http://nptel.ac.in/courses/112104113/">http://nptel.ac.in/courses/112104113/</a></li> </ul>
5	BTME305	Manufacturing Processes – I	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112106141/">http://nptel.ac.in/courses/112106141/</a></li> </ul>
6	BTME306	Engineering	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112108150/">http://nptel.ac.in/courses/112108150/</a></li> </ul>

		Materials & Metallurgy	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/113108054/">http://nptel.ac.in/courses/113108054/</a></li> <li>• <a href="http://nptel.ac.in/courses/113101003/26">http://nptel.ac.in/courses/113101003/26</a></li> <li>• <a href="http://nptel.ac.in/courses/113101003/">http://nptel.ac.in/courses/113101003/</a></li> </ul>
7	<b>BTME 310</b>	Workshop Training*	<ul style="list-style-type: none"> <li>• <a href="http://www.cdxtextbook.com/toolsEquip/">www.cdxtextbook.com/toolsEquip/</a></li> <li>• <a href="http://nptel.ac.in/courses/112107144">http://nptel.ac.in/courses/112107144</a></li> <li>• <a href="http://nptel.ac.in/courses/112107145">http://nptel.ac.in/courses/112107145</a></li> </ul>

#### 4<sup>th</sup> SEMESTER

Sr.No	Subject Code	Subject Name	Web Source References
1	<b>BTME401</b>	Strength of Materials – II	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/113108054/">http://nptel.ac.in/courses/113108054/</a></li> </ul>
2	<b>BTME402</b>	Theory of Machines – II	<ul style="list-style-type: none"> <li>• <a href="http://elearning.vtu.ac.in/17/e-Notes/10ME54/Unit4-VVB.pdf">http://elearning.vtu.ac.in/17/e-Notes/10ME54/Unit4-VVB.pdf</a></li> <li>• <a href="http://uqu.edu.sa/files2/tiny_mce/plugins/filemanager/files/4280336/machines/GEARS%20Lec-12.pdf">http://uqu.edu.sa/files2/tiny_mce/plugins/filemanager/files/4280336/machines/GEARS%20Lec-12.pdf</a></li> </ul>
3	<b>BTME403</b>	Fluid Mechanics	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112104118/">http://nptel.ac.in/courses/112104118/</a></li> <li>• <a href="http://nptel.ac.in/downloads/112105171/">http://nptel.ac.in/downloads/112105171/</a></li> <li>• <a href="http://nptel.ac.in/courses/112105171/">http://nptel.ac.in/courses/112105171/</a></li> </ul>
4	<b>BTME404</b>	Applied Thermodynamics - II	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112103016/">http://nptel.ac.in/courses/112103016/</a></li> <li>• <a href="http://nptel.ac.in/courses/112106166/">http://nptel.ac.in/courses/112106166/</a></li> </ul>
5	<b>BTME405</b>	Manufacturing Processes-II	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112105126/">http://nptel.ac.in/courses/112105126/</a></li> </ul>

#### 5<sup>th</sup> SEMESTER

Sr.No	Subject Code	Subject Name	Web Source References
1	BTAM-500	Mathematics-III	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/106102064/">http://nptel.ac.in/courses/106102064/</a></li> <li>• <a href="http://mathworld.wolfram.com/ComplexAnalysis.html">http://mathworld.wolfram.com/ComplexAnalysis.html</a></li> <li>• <a href="http://en.wikipedia.org/wiki/Methods_of_contour_integration">http://en.wikipedia.org/wiki/Methods_of_contour_integration</a></li> </ul>
2	BTME-501	Design of Machine Elements - I	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112105125/">http://nptel.ac.in/courses/112105125/</a></li> <li>• <a href="http://nptel.ac.in/courses/112106137/">http://nptel.ac.in/courses/112106137/</a></li> </ul>
3	BTME-502	Computer aided Design and Manufacturing	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/Webcourse-contents/IIT-Delhi/Computer%20Aided%20Design%20&amp;%20ManufacturingI/index.htm">http://nptel.ac.in/courses/Webcourse-contents/IIT-Delhi/Computer%20Aided%20Design%20&amp;%20ManufacturingI/index.htm</a></li> </ul>

			<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112102103/">http://nptel.ac.in/courses/112102103/</a></li> </ul>
4	BTME-503	Mechanical Measurement and Metrology	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112106138/">http://nptel.ac.in/courses/112106138/</a></li> <li>• <a href="http://nptel.ac.in/courses/112106139/">http://nptel.ac.in/courses/112106139/</a></li> <li>• <a href="http://elearning.vtu.ac.in/18/enotes/10ME42/Unit%205-6-GSP.pdf">http://elearning.vtu.ac.in/18/enotes/10ME42/Unit%205-6-GSP.pdf</a></li> </ul>
5	BTME-504	Industrial Automation and Robotics	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112101098/">http://nptel.ac.in/courses/112101098/</a></li> <li>• <a href="http://nptel.ac.in/courses/112102011/">http://nptel.ac.in/courses/112102011/</a></li> </ul>
6	BTME-505	Automobile Engineering	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112105125/">http://nptel.ac.in/courses/112105125/</a></li> <li>• <a href="http://nptel.ac.in/courses/112106137/">http://nptel.ac.in/courses/112106137/</a></li> </ul>
7	IT 500	Industrial Training	

### 6<sup>th</sup> SEMESTER

Sr.No	Subject Code	Subject Name	Web Source References
1	BTME-601	Design of Machine Elements II	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112105125/">http://nptel.ac.in/courses/112105125/</a></li> <li>• <a href="http://nptel.ac.in/courses/112106137/">http://nptel.ac.in/courses/112106137/</a></li> </ul>
2	BTME-602	Heat Transfer	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112101097">http://nptel.ac.in/courses/112101097</a></li> <li>• <a href="https://www.youtube.com/watch?v=qa-PQOjS3zA">https://www.youtube.com/watch?v=qa-PQOjS3zA</a></li> <li>• <a href="http://freevideolectures.com/Course/3005/Heat-Transfer">http://freevideolectures.com/Course/3005/Heat-Transfer</a></li> </ul>
3	BTME-603	Fluid Machinery	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112104117/">http://nptel.ac.in/courses/112104117/</a></li> <li>• <a href="http://nptel.ac.in/courses/112105182/">http://nptel.ac.in/courses/112105182/</a></li> <li>• <a href="http://nptel.iitg.ernet.in/Mech_Engg/IIT%20Guwahati/Fluid%20Machinery%28Video%29.htm">http://nptel.iitg.ernet.in/Mech_Engg/IIT%20Guwahati/Fluid%20Machinery%28Video%29.htm</a></li> </ul>
4	BTME-604	Statistical and Numerical Methods in Engineering	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in">http://nptel.ac.in</a></li> <li>• <a href="http://www.opensoursemath.org">www.opensoursemath.org</a></li> </ul>
5	DE/ME-2.5	Total Quality Management	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/122106032/Pdf/4_1.pdf">http://nptel.ac.in/courses/122106032/Pdf/4_1.pdf</a></li> <li>• <a href="http://www.wiley.com/college/sc/reid/chap5.pdf">http://www.wiley.com/college/sc/reid/chap5.pdf</a></li> <li>• <a href="http://www.bexcellence.org/Total-quality-management.html">http://www.bexcellence.org/Total-quality-management.html</a></li> </ul>
6	BTME-607	Minor Project	

### 7/ 8<sup>th</sup> SEMESTER

Sr.No	Subject Code	Subject Name	Web Source References
1	BTME-801	Industrial Engineering & Management	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112105345/">http://nptel.ac.in/courses/112105345/</a></li> <li>• <a href="http://nptel.ac.in/courses/112104178/">http://nptel.ac.in/courses/112104178/</a></li> </ul>
2	BTME-802	Refrigeration and Air Conditioning	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112105129/">http://nptel.ac.in/courses/112105129/</a></li> <li>• <a href="http://nptel.ac.in/courses/112105128/">http://nptel.ac.in/courses/112105128/</a></li> </ul>
3	BTME-803	Mechanical Vibration	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112103111/2">http://nptel.ac.in/courses/112103111/2</a></li> </ul>
4	HU-251	Human Resource Management	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/122105020/1">http://nptel.ac.in/courses/122105020/1</a></li> <li>• <a href="https://www.youtube.com/watch?v=BahAbX7yWX8">https://www.youtube.com/watch?v=BahAbX7yWX8</a></li> <li>• <a href="http://nptel.ac.in/courses/122105020/6">http://nptel.ac.in/courses/122105020/6</a></li> <li>• <a href="http://nptel.ac.in/courses/122105020/13">http://nptel.ac.in/courses/122105020/13</a></li> </ul>
5	DE/PE-2.0	Non-Traditional Machining	<ul style="list-style-type: none"> <li>• <a href="http://nptel.ac.in/courses/112101097">http://nptel.ac.in/courses/112101097</a></li> <li>• <a href="https://www.youtube.com/watch?v=qa-PQOjS3Za">https://www.youtube.com/watch?v=qa-PQOjS3Za</a></li> </ul>