

1.1 Curricular Planning and Implementation

1.1.1 _8 Lectures through, PPTs/ NPTEL Videos, institute's YouTube channel, Virtual Labs of IITB, IIT Kharagpur, E-Yantra Lab of IITB

Automobile Engineering Department

Sr. No	Subject Name	NPTEL Lecture link	Virtual Lab Link
1	Strength of Materials	https://www.youtube.com/watch?v=A1SWKe6ZwVc&list=PL521D094C8752CE67	https://sm-nitk.vlabs.ac.in/
2	Fluid Mechanics	https://www.youtube.com/watch?v=fa0zHI6nLUo&list=PLbMVogVj5nJTZJHsH6uLCO00I-ffGyBEm	https://fm-nitk.vlabs.ac.in/
3	Production Process	https://www.youtube.com/watch?v=uRVaLUQUmA8&list=PLACB124F79F677B6A	http://vlabs.iitkgp.ac.in/psac/newlabs2020/vlabiitkgpAM/
4	Mathematics	https://www.youtube.com/watch?v=4QFsiXfgbzM&list=PLbRMhDVUMngeVrxtbBz-n8HvP8KAWBpI5	https://cm.pg.edu.pl/en/e-learning/virtual-math-lab
5	Material Technology	https://www.youtube.com/watch?v=2rxbxNem1il&list=PLyqSpQzTE6M_ON8uXt-PP8uX6hMWJeYSJ	https://mrmsmtbs-iitk.vlabs.ac.in/home%20page.html
6	Thermodynamics	https://www.youtube.com/watch?v=9GMBpZZtjXM&list=PLD8E646BAB3366BC8	https://vlab.amrita.edu/index.php?sub=1&brch

Campus:

Plot No.- 46, Sector 5, Behind MSEB Sub-Station, Near Utsav Chowk, Kharghar, Navi Mumbai-410210 (Maharashtra, India).
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Engineering Programme	Technical Training	Research	Publication
7	Machine Shop	https://www.youtube.com/watch?v=psbtzIts6Ks&list=PLwdnzlV3ogoUq9UTMnhFGWRH2tz-0BIWD	http://gssl.iitk.ac.in/pssl/
8	Computer aided design and manufacturing	https://www.youtube.com/watch?v=EgKc9L7cbKc&list=PLC3EE33F27CF14A06	http://vlabs.iitkgp.ernet.in/mr/
9	Kinematics of Machines	https://www.youtube.com/watch?v=MJeRFzs4oRU&list=PLBEA57F7E7560C8E8	http://mm-nitk.vlabs.ac.in/
10	Dynamics of machines	https://www.youtube.com/watch?v=p075LPq3Eas&list=PL46AAEDA6ABAFC78	http://mdmv-nitk.vlabs.ac.in/
11	Heat and Mass transfer	https://www.youtube.com/watch?v=qa-PQOjS3zA&list=PL5F4F46C1983C6785	http://htv-au.vlabs.ac.in/
12	Mechanical Vibrations	https://www.youtube.com/watch?v=bX_m53Xexvk&list=PLAC668A0566953FB5	http://mdmv-nitk.vlabs.ac.in/List%20of%20experiments.html
13	Automotive systems	https://www.youtube.com/watch?v=hs7bABMtOMI&list=PLyqSpQzTE6M9G2SNxKfsVEjcM9MIJau4F	http://vlabs.iitkgp.ernet.in/rtvlas/#
14	Mechanical Measurement and control	https://www.youtube.com/watch?v=Cl23xQrvFhk&list=PLyqSpQzTE6M8-wda5vbgHkMQTmu-21hRK	http://vlabs.iitkgp.ac.in/mvl1/
15	3D Printing (Rapid manufacturing)	https://www.youtube.com/watch?v=TEBKq9i9a4&list=PLFW6lRTa1g81r7obROdMofsKqWz2Z-mLw	https://3dp-dei.vlabs.ac.in/
16	vehicle dynamics	https://www.youtube.com/watch?v=LZ82iANWBL0&list=PLbMVogVj5nJTW50jj9_gvJmdwFWHaqR5J	-

Institute YouTube chanel link -

<https://www.youtube.com/channel/UCM14lw97mnCoNZCI8knb5Uw>

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