

## MECHANICAL ENGINEERING DEPARTMENT

### B.E. 5<sup>th</sup> SEMESTER

### SUBJECT: DYNAMICS OF MACHINERY

### SUBJECT CODE: 3151911

Sr.No.	Topic	Link	By
1	Dynamic force analysis of mechanisms	<a href="https://youtu.be/Dnmzh5Xx2XE">https://youtu.be/Dnmzh5Xx2XE</a> <a href="https://youtu.be/h9bfCY1_sNE">https://youtu.be/h9bfCY1_sNE</a> <a href="https://youtu.be/KVcben3oBtg">https://youtu.be/KVcben3oBtg</a> <a href="https://youtu.be/fmTfkkAbPbU">https://youtu.be/fmTfkkAbPbU</a> <a href="https://youtu.be/r09-uWimM2w">https://youtu.be/r09-uWimM2w</a>	Asst. Prof. Chirag Mevada
2	Turning moment diagrams and flywheel	<a href="https://youtu.be/kIcNu2beogI">https://youtu.be/kIcNu2beogI</a> <a href="https://youtu.be/8XycLMRyyOY">https://youtu.be/8XycLMRyyOY</a> <a href="https://youtu.be/S347oMPTULM">https://youtu.be/S347oMPTULM</a> <a href="https://youtu.be/8PCtrp3CWC4">https://youtu.be/8PCtrp3CWC4</a> <a href="https://youtu.be/vXZhImJOApE">https://youtu.be/vXZhImJOApE</a> <a href="https://youtu.be/1KkAQ5ePIm4">https://youtu.be/1KkAQ5ePIm4</a>	Asst. Prof. Chirag Mevada
3	Balancing	<a href="https://youtu.be/41YItwufpM8">https://youtu.be/41YItwufpM8</a> <a href="https://youtu.be/Hk_EHSUbfFRw">https://youtu.be/Hk_EHSUbfFRw</a> <a href="https://youtu.be/do8dTV72g8g">https://youtu.be/do8dTV72g8g</a> <a href="https://youtu.be/uDMvV4rqEdk">https://youtu.be/uDMvV4rqEdk</a> <a href="https://youtu.be/jlqLHHKlpOg">https://youtu.be/jlqLHHKlpOg</a> <a href="https://youtu.be/Gx9EgZ5mT-o">https://youtu.be/Gx9EgZ5mT-o</a> <a href="https://youtu.be/IIT-2cXzQOI">https://youtu.be/IIT-2cXzQOI</a> <a href="https://youtu.be/b9NfM0TLGHc">https://youtu.be/b9NfM0TLGHc</a> <a href="https://youtu.be/RmyDwjzmKQ">https://youtu.be/RmyDwjzmKQ</a> <a href="https://youtu.be/uuJWY6xoTTk">https://youtu.be/uuJWY6xoTTk</a> <a href="https://youtu.be/I0ibUP-5apU">https://youtu.be/I0ibUP-5apU</a> <a href="https://youtu.be/ir4V_QgxqTQ">https://youtu.be/ir4V_QgxqTQ</a> <a href="https://youtu.be/CmfP4hXiMXg">https://youtu.be/CmfP4hXiMXg</a>	Asst. Prof. Chirag Mevada
4	Gyroscope	<a href="https://www.youtube.com/watch?v=1SZFymouuFg&amp;t=14s">https://www.youtube.com/watch?v=1SZFymouuFg&amp;t=14s</a> <a href="https://www.youtube.com/watch?v=GfgZ5GWuREM">https://www.youtube.com/watch?v=GfgZ5GWuREM</a>	Asst. Prof. Jignesh Patel
5	Free vibrations and damped free vibrations	<a href="https://www.youtube.com/watch?v=FI5BC7C89K0&amp;t=485s">https://www.youtube.com/watch?v=FI5BC7C89K0&amp;t=485s</a> <a href="https://www.youtube.com/watch?v=PU3hF-z0avE&amp;t=1137s">https://www.youtube.com/watch?v=PU3hF-z0avE&amp;t=1137s</a> <a href="https://www.youtube.com/watch?v=YZBty11b8_A">https://www.youtube.com/watch?v=YZBty11b8_A</a> <a href="https://www.youtube.com/watch?v=6WRvCnEupyA">https://www.youtube.com/watch?v=6WRvCnEupyA</a>	Asst. Prof. Jignesh Patel

6	Forced damped vibrations	<a href="https://www.youtube.com/watch?v=gcX4XcA_REQ">https://www.youtube.com/watch?v=gcX4XcA_REQ</a> <a href="https://www.youtube.com/watch?v=EsS1698m1kA">https://www.youtube.com/watch?v=EsS1698m1kA</a> <a href="https://www.youtube.com/watch?v=fI3pDnRPNLs">https://www.youtube.com/watch?v=fI3pDnRPNLs</a> <a href="https://www.youtube.com/watch?v=2FwsJLJGR6A">https://www.youtube.com/watch?v=2FwsJLJGR6A</a> <a href="https://www.youtube.com/watch?v=dLIU2iM_zns&amp;t=284s">https://www.youtube.com/watch?v=dLIU2iM_zns&amp;t=284s</a> <a href="https://www.youtube.com/watch?v=J2mT76VviwI">https://www.youtube.com/watch?v=J2mT76VviwI</a> <a href="https://youtu.be/tG7SfMe0WYw">https://youtu.be/tG7SfMe0WYw</a> <a href="https://youtu.be/MMFXLJ2QGTM">https://youtu.be/MMFXLJ2QGTM</a> <a href="https://youtu.be/EsS1698m1kA">https://youtu.be/EsS1698m1kA</a> <a href="https://youtu.be/2FwsJLJGR6A">https://youtu.be/2FwsJLJGR6A</a> <a href="https://youtu.be/f7UbW-P0N_4">https://youtu.be/f7UbW-P0N_4</a>	Asst. Prof. Jignesh Patel
7	Critical speeds of shafts	<a href="https://youtu.be/LBG2C4m30IY">https://youtu.be/LBG2C4m30IY</a> <a href="https://youtu.be/F7BMRjYFens">https://youtu.be/F7BMRjYFens</a>	Asst. Prof. Chirag Mevada