TOM Lab			
Semester	Exp. No.	Experiment Name	Link
3rd	1	To study inversions of 4 bar mechanisms, single and double slider crank mechanisms.	http://mm-nitk.vlabs.ac.in/exp29/index.html http://mm-nitk.vlabs.ac.in/exp11/index.html# http://mm-nitk.vlabs.ac.in/exp14/index.html# http://vlabs.iitkgp.ernet.in/mr/exp6/index.html
	2	To determine the ratio of times and tool velocities of Whitworth quick-return mechanism.	http://mm-nitk.vlabs.ac.in/exp26/index.html
	3	To plot slider displacement, velocity and acceleration against crank rotation for single slider crank mechanism.	http://mm-nitk.vlabs.ac.in/exp7/index.html# http://mm-nitk.vlabs.ac.in/exp8/index.html http://mm-nitk.vlabs.ac.in/exp9/index.html
	4	To find out experimentally the Coriolis component of acceleration and compare with theoretical value.	https://www.youtube.com/watch?v=ofNC3_BJacc&feature=emb_logo https://www.youtube.com/watch?v=wIjlm9pB3iA&feature=emb_logo
	5	To determine the moment of inertia of a flywheel.	https://dom-nitk.vlabs.ac.in/dynamics-of-machine/exp/disc-type-flywheel/ https://dom-nitk.vlabs.ac.in/dynamics-of-machine/exp/rim-type-flywheel/
	6	To plot follower displacement v/s cam rotation for various cam follower systems.	http://vlabs.iitkgp.ernet.in/mr/exp8/index.html https://www.youtube.com/watch?v=xEXjxMl1dZQ
	7	To calculate the torque on planet carrier and torque on internal gear using epicycle gear train and holding torque apparatus.	https://www.youtube.com/watch?v=ARd-Om2VyiE https://www.youtube.com/watch?v=6yU3hl9RxIo
	8	To determine the coefficient of friction between belt and pulley and plot a graph between log 10 T1/T2 v/s θ	https://www.youtube.com/watch?v=unV0jQSsDKc
	9	To study the different types of centrifugal and inertia governor with demonstration	https://dom-nitk.vlabs.ac.in/dynamics-of-machine/exp/proell-governet/ https://dom-nitk.vlabs.ac.in/dynamics-of-machine/exp/porter-governer/ https://dom-nitk.vlabs.ac.in/dynamics-of-machine/exp/hartnell-governer/
	10	To study Gyroscope Couple	https://www.youtube.com/watch?v=16twhcVfjUU