

Dr C SenthamaraiKannan
ASP/MEC ICT tools Initiatives

Google Classroom

ME18403 Kinematics of Machinery Classroom

ME18403 KINEMATICS OF MACHINERY

Meet

Outdated link

Join

Class code

huergfj

Dr C SENTHAMARAIKANNAN
May 28, 2021

To join the video meeting, click this link: <https://meet.google.com/rncbhlse-eyw>
Otherwise, to join by phone, dial +1 307-364-0777 and enter this PIN: 642 664 7676
To view more phone numbers, click this link: <https://tel.meet/rncbhlse-eyw?pin=6426647676>

ME18403 Kinematics of Machinery Classroom - Classwork

ME18403 KINEMATICS OF MACHINERY

Stream Classwork People Grades

+ Create

Meet Google Calendar Class Drive folder

All topics

CAT 3

eBooks

CAM

Phase 3 Assignment

CAT 2

Unit 5 Friction

Phase 2 Assignment

Unit 4 Gear and Geo...

Unit 2 Velocity and...

CAM problem done on 13/05/2021 - (Three P...
Due May 13, 2021, 11:55 PM

Slider Crank mechanism class
Posted Feb 9, 2021

CAT 3

CAT 3
Due Mar 24, 2021, 2:15 PM

CAT 3
Due May 24, 2021, 2:15 PM

eBooks

ME18403 Kinematics of Machinery -Videos Link

ME18403 KINEMATICS OF MACHINERY

Animation video of mechanisms

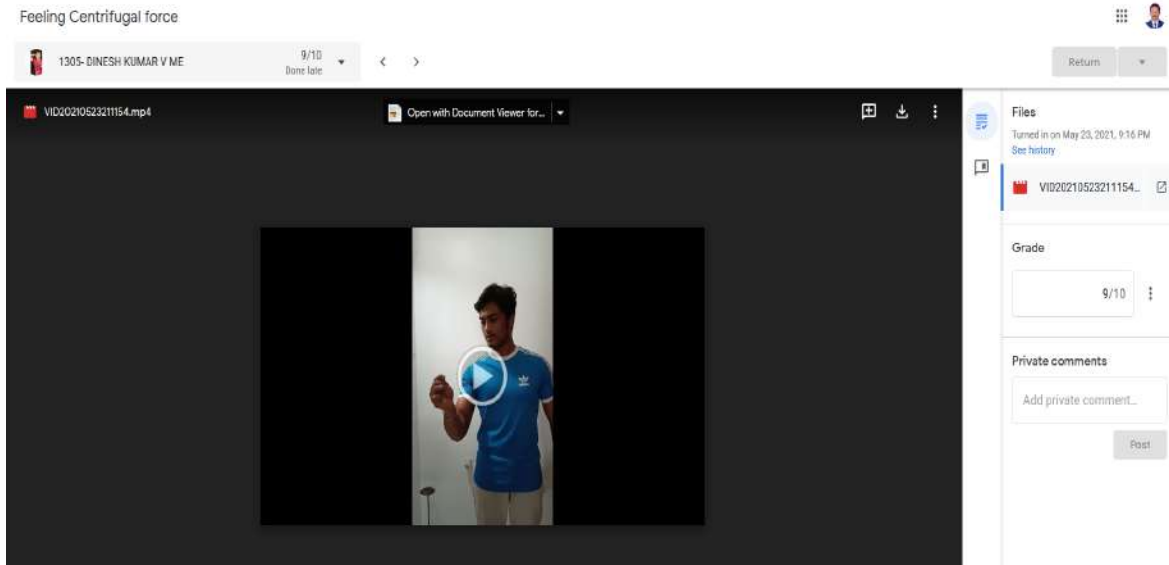
Dr C SENTHAMARAIKANNAN • Feb 5, 2021

Kinematic Chain Classificati...
Video

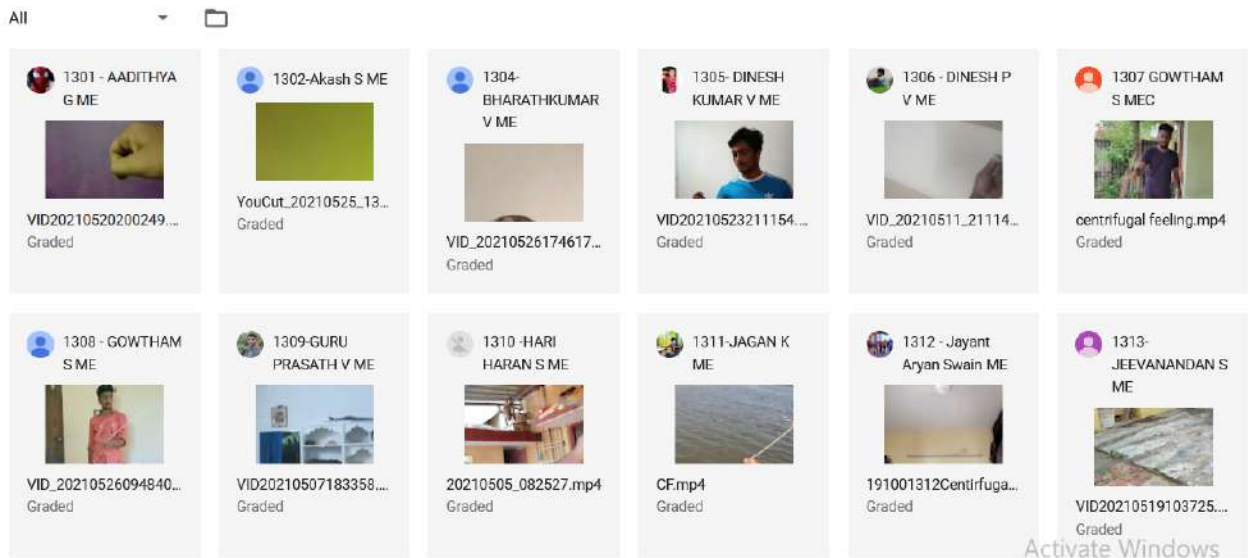
Class comments

Add class comment...

Experiential learning -Feeling Centrifugal force

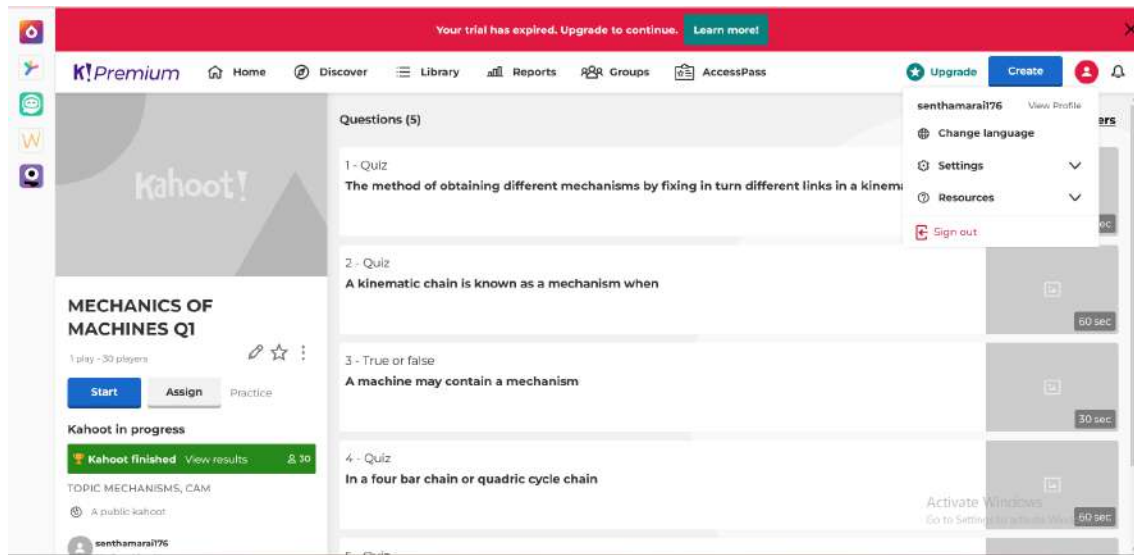


Experiential learning -Feeling Centrifugal force -Submission of Experiential learning Videos by respective Students in Google Classroom



ME18403 Kinematics of Machinery - Experiential Learning

ME18403 Kinematics of Machinery - Kahoot MCQ



ME18403 Kinematics of Machinery - Students delivering Seminar about friction


















ME18403 Kinematics of Machinery -Videos posted for Unit 4 Gear trains

Kinematics of machinery
IV B

Stream Classwork People Grades

Dr C SENTHAMARAIKANNAN posted a new material: Unit 4 Videos

Posted Jun 5, 2022
Enjoy the gear Videos

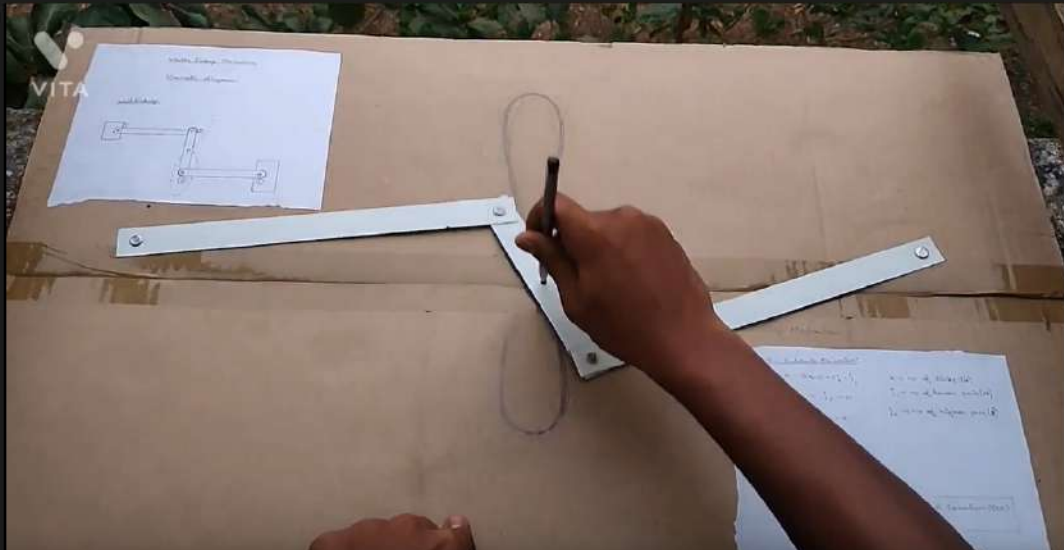
	Herringbone gears _ Doub... Video		How a Differential works Video
	Length of path of contact,... Video		Path of Contact & Arc of C... Video
	Understanding PLANETAR... Video		What is Rack & Pinion Rail... Video
	Worm Gearbox, Worm Re... Video		O1 Gear Terminology.mp4 Video
	O4 Bevel Gears Types and ... Video		Automatic Transmission, ... Video
	en-cycloidal-gear-constr... Video		en-epi-hypo-cycloid-cons... Video
	EnviroGear® G Series How... Video		epicyclic train (type one). ... Video
	Gear Train and Its Types _ ... Video		

ME18403 Kinematics of Machinery - Experiential learning

Design and Create a Crank and Rocker Mechanism (Working Model)

065 SHAMEER MOHAMED S 30/30 Done late

VIDEO_fa542bba-ebdf-469e-a7f9-61c13173f063.mp4 Open with Document Viewer for...



ME16021 Additive Manufacturing Classroom

The screenshot shows the Canvas LMS interface for the 'ME16021 Additive Manufacturing VIII A' course. The top navigation bar includes 'Stream', 'Classwork', 'People', and 'Grades'. The main content area features a blue banner with the course title and a 'Customize' button. Below the banner, there are several widgets: a 'Meet' widget with an 'Outdated link' and a 'Join' button; an 'Announce something to your class' widget; a 'Class code' widget with the code 'gznkuo4'; and a '2 class comments' widget showing a comment from Dr. C. SENTHAMARAIKANNAN dated May 3, 2021, regarding an assignment submission.

ME16021 Additive Manufacturing - Group Activity -Seminar Presentation

The screenshot displays the 'Phase 3 Assignment' page in Canvas LMS. The assignment is titled 'Phase 3 Assignment' and is due on May 3, 2021, at 11:59 PM. It is worth 40 points. The instructions state: '1. Students are advised form as a group of 3 members, so ten groups will be formed, each group will make a presentation about Bio additive manufacturing not more than ten slides including the title slide, no topic should be repeated among ten groups'. Below the instructions, there are 8 class comments. The comments are as follows:

- Dr C SENTHAMARAIKANNAN (Apr 28, 2021): If you formed the group mention here
- Dr C SENTHAMARAIKANNAN (Apr 28, 2021): all member of group say Group 1, then Group 1 three members has to upload the same content in their individual submission
- 1046 JUSTIN REJIMONE MEC (May 1, 2021): JUSTIN REJIMONE(171001046), DHANUSH B(171001031), R.G.AJAI(171001006)
- 1016 ARUN BALAJI MEC (May 1, 2021): Arun Balaji.A (16), Arun Eashwar.R.K (17), Che Ram Chandru.S (28)
- 1022 ASHWIN MEC (May 1, 2021): Ashwin T(22), Barath Kumar(25), Deeevish J V(30)
- 1048 KARTHIKEYAN MEC (May 2, 2021): Bragadeeshwar C (171001027), Dineshraj P (171001033), Karthikeyan R (171001048) - Group 4
- 1040 HARISH MEC (May 3, 2021): Harish(40), naveen(58), nishanth (62)- group 5

All

A grid of four student assignment cards. Each card shows a student's profile picture, name, and ID, a thumbnail of the assignment document, and the title 'Polymers for Additive Manufacturing and 4D-printing' with a 'Graded' status.

- 1005 Aditya Jeganath K
- 1006 Ajai R.G
- 1007 AJAY MEC
- 1010 ANIKETH PRABU MEC

Phase 3 Assignment

A screenshot of a student's assignment submission interface. The main area shows a presentation slide titled 'Design Of Titanium Implants For Additive Manufacturing' by Justin Rejimon, R.G. Ajai, and Dhaneush. The interface includes a student name '1006 Ajai R.G', a score of '40/40', and a sidebar with 'Files', 'Grade', and 'Private comments'.

Files: Turned in on May 1, 2021, 1:31 PM. See history.

CAT3-1.pptx

Grade: 40/40

Private comments: Dr C SENTHAMARAIKANN... May 3, 2021, 10:48 PM. Very good.

ME16021 Additive Manufacturing - Conduct of CAT

A screenshot of a course page for 'ME16021 Additive Manufacturing'. The page shows a list of assignments under the 'CAT 3' section, including 'CAT', 'Phase 3 Assignment', and 'Phase 3 MCQ'. There is also a 'CAT 2 Retest' section with a 'CAT 2 Retest' assignment.

ME16021 Additive Manufacturing

Stream Classwork People Grades

+ Create Meet Google Calendar Class Drive folder

All topics

CAT 3

- CAT Due Apr 29, 2021, 11:15 AM
- Phase 3 Assignment 8 Due May 3, 2021, 11:59 PM
- Phase 3 MCQ Due Apr 28, 2021, 11:59 PM

CAT 2 Retest

- CAT 2 Retest Due Apr 10, 2021, 3:10 PM

ME16021 Additive Manufacturing - Online Learning Resources

ME16021 Additive Manufacturing
VILA

Stream Classwork People Grades

Add class comment

Dr C SENTHAMARAIKANNAN posted a new material: Unit 1

Posted Jan 21, 2021

Learning resources for Unit 1

- MEe018-UNIT-1.pdf PDF
- rapidtooling.pdf PDF
- How Does Selective Lase... Video
- How Does Stereolithogra... Video
- HOW IT'S DONE_Binder... Video

Add class comment

ME18701 FEA Google Classroom

ME18701 FEA

Stream Classwork People Grades

ME18701 FEA

Customize

Meet

Join

Not visible to students

Class code

eol6atz

Announce something to your class

Dr C SENTHAMARAIKANNAN posted a new material: Unit 5
Dec 11, 2021

Dr C SENTHAMARAIKANNAN
Dec 3, 2021

To join the video meeting, click this link: <https://meet.google.com/ouk-efy-td>
Otherwise, to join by phone, dial +1 320-400-3307 and enter this PIN: 154 002 411#

ME18502 - Dynamics of Machinery -Google Classroom

ME - 18502 DoM

Stream Classwork People Grades

ME - 18502 DoM

Meet
Outdated link
Join
Visible to students

Class code
miq57tx

Announce something to your class

Dr C. SENTHAMARAIKANNAN
Nov 12, 2020
WHY SAI VIGNESH NOT COMPLETED ANY ASSIGNMENT AND MCQ, AND INBASELVEN NOT COMPLETED ASSIGNMENT, GIVE EXPLANATION THRU FACULTY ADVISOR

ME18511 - Dynamics and Vibration lab -Google Classroom

ME18511 Dynamics and Vibration Laboratory
A and B

Stream Classwork People Grades

ME18511 Dynamics and Vibration Laboratory
A and B

Meet
Join
Not visible to students

Class code
6qrdjh7

Announce something to your class

SIVARAMAPANDIYAN J Mec posted a new material: Transverse vibration - Dunkerley method
Nov 5, 2020

Dr C. SENTHAMARAIKANNAN posted a new assignment: Ex No 11 Balancing of Rotating Mass...
Nov 2, 2020

ME18511 - Dynamics and Vibration lab - Videos of Experiments through Google Classroom

ME18511 Dynamics and Vibration Laboratory
A and B

Stream Classwork People Grades

+ Create

Meet Google Calendar Class Drive folder

All topics

Transverse vibration - Dunkerley method
Posted Nov 5, 2020

Ex No 11 Balancing of Rotating Masses and E...
Due Nov 6, 2020, 11:59 PM

Balancing of Rotating masses
Posted Nov 2, 2020

Analysis of cam and follower
Posted Nov 2, 2020

ERP Assignment/MCQ _ ME16603 Finite Element Analysis

ACADEMIC - EXAMINATION - E-LEARNING - PAYROLL - ESTABLISHMENT - ADMINISTRATION

Search

E-Learning > Transactions > Test Creation


TEST MASTER

Create Test

Course Name : ME16603 - Finite Element Analysis - Mechanical Engineering

Create New : Objective Type Test Descriptive Type Test Test Report

Questions List						
Action	Test Name	Start Date	End Date	Test Duration	Test Time	Test Type
	MCQ plus	29-Mar-2020	31-Mar-2020	00:20:00	08:00:00 AM - 11:55:55 PM	Objective
	MCQ	22-Mar-2020	25-Mar-2020	00:20:00	12:01:00 AM - 11:05:55 PM	Objective
	Axisymmetric Resin	26-Mar-2020	28-Mar-2020	00:20:00	01:00:00 AM - 11:55:55 PM	Objective

		Sri Venkateswara College of Engineering Sriperumbudur Tk, Kancheepuram Dt, Tamilnadu, India - 602117				
		Single Assignment Result Report				
Session	: MAY-20	Semester	: 08			
Faculty Name	: SENTHAMARAI KANNAN C	Assign. Date	: 20-Mar-2020			
Course	: Finite Element Analysis					
Assignment	: Axisymmetric application problem and solving problem in ANSYS					
Regulation	: B.E.-Mechanical Engineering-2016 (Non CBCS)					
Sr.No.	Student Name	REG.NO	Submission Date	Marks Obtained	Total Marks	Remarks
1	AADITHYABALA B	171001001	01-Apr-2020	38	40	
2	AAKASH A	171001002	28-Mar-2020	38	40	kindly do problem in ansys also
3	ABINESH R	171001003	16-Apr-2020	38	40	

Youtube Channel -Dr C Senthamaraikannan

YouTube Studio interface showing a channel named "Dr. Santhosharajanian C." with a list of videos. The interface includes a search bar, navigation tabs for "Videos" and "Live", and a sidebar with options like "Dashboard", "Content", "Playlists", "Analytics", "Comments", "Subtitles", "Copyright", "Settings", and "Send feedback".

Video	Visibility	Restrictions	Date	Views	Comments	Likes (vs. dislikes)
International Conference on Smart Material... Inauguration of International Conference on Smart Materials & Emerging Technologies for...	Public	None	Oct 20, 2020 Published	18	0	-
Paperpile Demo 1 Citations and bibliography addition in reference section of journal or conference paper made...	Public	None	Jul 31, 2020 Published	226	1	100.0% 7 likes
Part 1.2 Isoparametric Shape Function and r... This video created to understand the idea for step procedure in deriving shape function for...	Public	None	Apr 13, 2020 Published	89	6	100.0% 4 likes
Part1.1 Intro to isoparametric element Dear Viewers, This video is an introduction to isoparametric element	Public	None	Apr 7, 2020 Published	105	1	100.0% 8 likes

Rows per page: 30 | 1-9 of 9 | Activate Windows | Go to Settings to activate Windows.








Digital Writing Pad



Online resources

Subject – ME18502- DYNAMICS OF MACHINERY

S.No	Topics	Online resources Link	Mapping
1	Inertia forces	https://www.youtube.com/watch?v=qJ_mO8w-QqU	Unit 1
2	Newton's first law of motion	https://www.youtube.com/watch?v=0oyJmFe3ffg	
3	Friction	https://www.youtube.com/watch?v=n2gQs1mcZHA	
4	Piston-Crank -Connecting rod	https://www.youtube.com/watch?v=zYovGGI4fY0	
5	Inertia forces on connecting rod	https://www.youtube.com/watch?v=2yS2fsJxrro	
6	Correction Couple	https://www.youtube.com/watch?v=M56kNzsF_uY	
7	D'Alembert's Principle	https://www.youtube.com/watch?v=9MQuP6GoAEs https://www.youtube.com/watch?v=CftSpw7ec9o	
8	Dynamically equivalent two mass system	https://www.youtube.com/watch?v=kKau9v5xsCw https://www.youtube.com/watch?v=pk6dnUPiFaQ	
9.	Dynamic forces in engine components	https://www.youtube.com/watch?v=vxtIdPIfpFU&list=RD_CMUCbZulQWlzOt0ul5KYDXgVZQ&index=3	
10.	Flywheels & Turning Moment Diagrams	https://www.youtube.com/watch?v=WH5JIEz7UQA	
11	What is a Flywheel	https://www.youtube.com/watch?v=EMazLuxpzxE	
12	How an industrial mechanical press works	https://www.youtube.com/watch?v=T8R2dcLY1IE&t=48s	
13	Energy Stored in a Flywheel Maximum Fluctuation of Energy	https://www.youtube.com/watch?v=D4UxPgeqDSk	

14	Dynamic force analysis of Mechanisms	https://nptel.ac.in/courses/112/104/112104114/	
15	How a Car engine works	https://www.youtube.com/watch?v=ZQvfHyfgBtA	Unit 2
16	Balancing of rotating masses	https://www.youtube.com/watch?v=VKr5RZt6MQo	
17	Balancing Know-How: Understanding Unbalance	https://www.youtube.com/watch?v=a8r1d5lX5M0	
18	Balancing Know-How: Correcting Unbalance	https://www.youtube.com/watch?v=_8CGs-RXHjc	
19	Unbalanced Forces in IC Engine	 Balance of I.C.Engines	
20	Locomotive wheel balancing	 LOCOMOTIVES REAL VISUALIZATION - balan...	
21	Effect of partial balancing in tamil	 What is the effect of partial balancing of Primary fo...	
22	How steam engine works	 #Steam Engine- How does it Work Steam Engine ...	
23	Balancing of grinding wheel	 CENTERLESS GRINDING WHEEL BALANCING...	
24	Centrifugal forces	 12 Centripetal and Centrifugal Force	
25	Static and Dynamic balancing	https://www.youtube.com/watch?v=xf-oSScA	
26	Balancing of masses	https://nptel.ac.in/courses/112/104/112104114/	
27			
28	Types of waves	https://www.youtube.com/watch?v=AUBAMIMoI1g	Unit 3
29	Vibration analysis -Belt	https://www.youtube.com/watch?v=N49xPL1FCB8	
30	Vibration Analysis Know-How: Diagnosing Misalignment	 Vibration Analysis Know-How: Diagnosing Misalig...	

31	Introduction to Vibration analysis	▶ Vibration Analysis - Part 1 (Introduction)		
32	Vibration analysis	▶ Vibration Analysis - Part 2 (Phase Angle Measureme...		
33	Vibration analysis for High frequency	▶ Vibration Analysis - Part 4 (High Frequency Detection)		
34	Phase Analysis	▶ Vibration Analysis - Part 6 (Phase Analysis)		
35	Orbit Analysis	https://www.youtube.com/watch?v=A84W69xFlto		
36	Tacoma Narrows Bridge Collapse	▶ Tacoma Narrows Bridge Collapse		
37	Process of Tacoma Narrows Bridge Collapse	▶ Process of the collapse of the Tacoma Narrows Bridge		
38	Natural frequency	▶ Natural Frequency		
39	natural frequency	▶ Natural Frequency Vibration Test		
40	Resonance Vibration test	▶ SDOF Resonance Vibration Test		
41	Dampers Purpose	▶ Dampers for earthquake protection		
42	BioMimicry -Wood Pecker shock absorbing head	https://www.youtube.com/watch?v=Abk2FB8tGx4		
43	Tuned mass damper	▶ What is a Tuned Mass Damper?		
44	Resonant Mode shape	▶ Understanding Resonance Mode Shapes		
45	Critical speed of shaft	▶ TOM 05 Vibration Critical speed or whirling of shaft		
46	Different types of damping	https://www.youtube.com/watch?v=s6cPFWmhuCQ		
47	Critical damping	https://www.youtube.com/watch?v=x5NZx2p4JRU		
48	Torsional Vibration	▶ Module 3, Torsional Vibration on Compressors and ...		Unit 4
49	Torsional Natural Frequencies, Resonance and Mode Shapes	▶ Module 1 - Lesson 2: Torsional Natural Frequencies,...		
50	torsional vibration	https://www.youtube.com/watch?v=AXSc3_Pal8s		

51	Torsional Vibration of three rotor systems	Free Torsional Vibration For Three Rotor System ... https://www.youtube.com/watch?v=PJiM_5QzFEA	
52	Earthquake resistant Project	National Earthquake Competition 2014 [NUS High]	
53	Isolation test	Base Isolation Test	
54	Gyroscopic Precession	Gyroscopic Precession	Unit 5
55	How Gyroscope Works	How does a gyroscope work?	
56	Gyroscopic Effect	What is Gyroscopic Effect? Gyroscopic Effect on A...	
57	Determining The Effect Of Gyroscopic Couple	DETERMINING THE E...	
58	reactive gyroscopic couple	https://www.youtube.com/watch?v=fqyIbZpVWC8	
59	Gyro working	How does the Gyro-X Car work?	
	Gyro stabiliser	Seakeeper Gyroscopic Stabilization Explained, Pete Schwartz, Cal Poly Physics - YouTube	Unit 5
60	Centrifugal governor working	How Centrifugal Governors Work - YouTube	

61	Diesel Engine Governor	Diesel Engine Governors (1942) - YouTube	
62	Watt Governor	Watt Governor Working - YouTube	
63	Porter Governor	WORKING OF A PORTER GOVERNOR ENGLISH GOVERNORS DYNAMICS ASHWIN PRABHU G - YouTube	
64	Proell Governor	Proell Governor - Flywheel and Governors - Theory of Machine - YouTube	
65	How Centrifugal Governor works	How a Flyball or Centrifugal Governor Works - YouTube	
66	hartnell Governor	Hartnell Governor - YouTube	
67	NPTEL Course on Dynamics of Machinery	NPTEL :: Mechanical Engineering - Dynamics of Machines	All units