R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY

R.S.M NAGAR, PUDUVOYAL – 601206

DEPARTMENT OF MECHANICAL ENGINEERING

Innovative Teaching

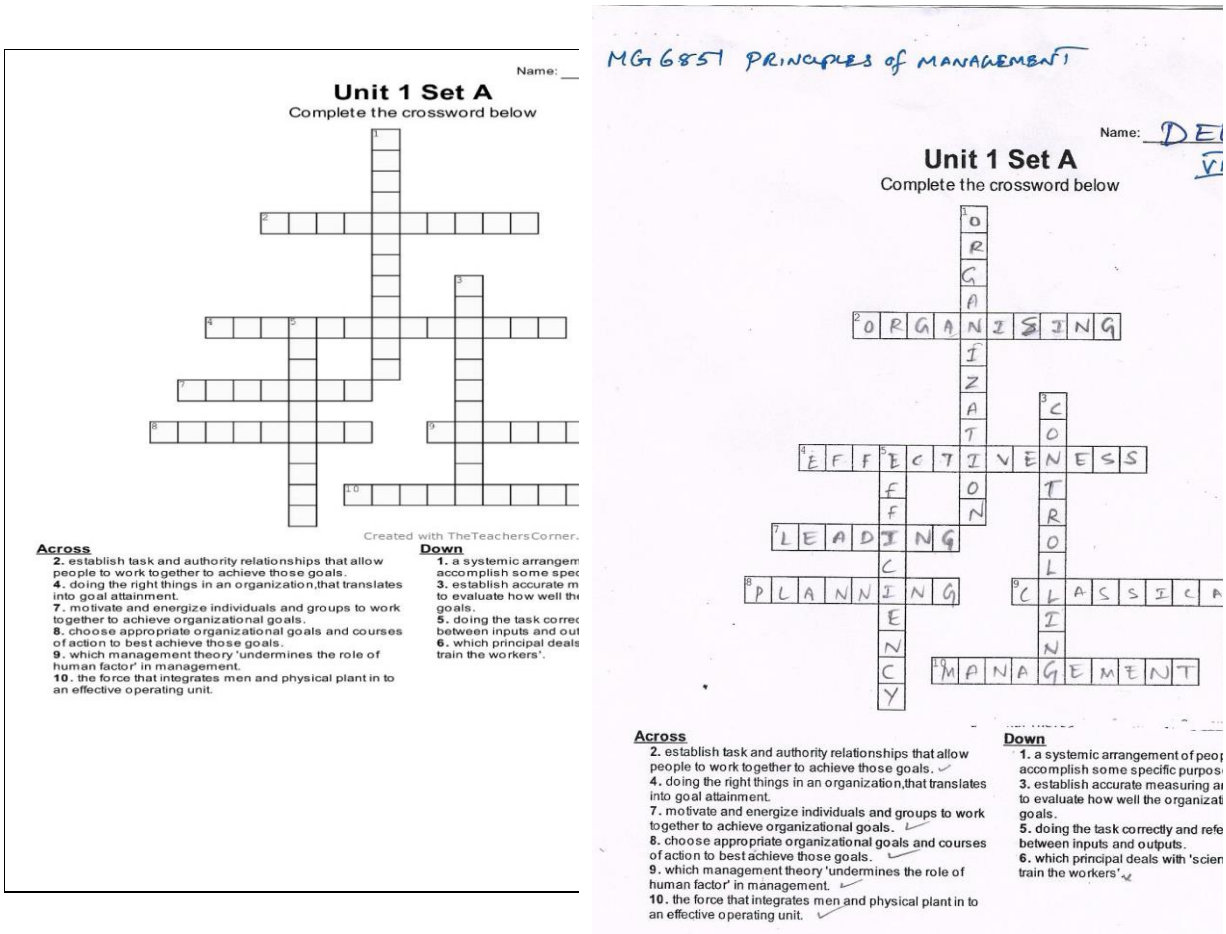
1. Technical Cross Word
2. Online MCQ test through Google forms
3. Game based learning
4. Technical quiz through online platform (QUZZIZ)
5. Video lecture
6. Proctored test
7. Python program for solving problems in core subjects
8. A mobile App, namely “EdWisely”
9. Google Class room
10. Learning through Working Models

Technical Cross Word

Goal: To enhance sharper thinking skills,improve technical vocabulary and swift action.

Significance: Crossword puzzles can be completed in a rather brief period of time, and provides them a sense of accomplishment. Crossword puzzles are given to students during lectures covering wide spectrum of the subject.

Beneficiary: It serves to kindle technical creativity and parallel processing capability of students which will provide scope to enhance their employability. Subjects like Principles of management, Automobile Engineering and Unconventional machining process implemented technical cross word as a tool to gauge the students. A sample cross word is given in the below figure



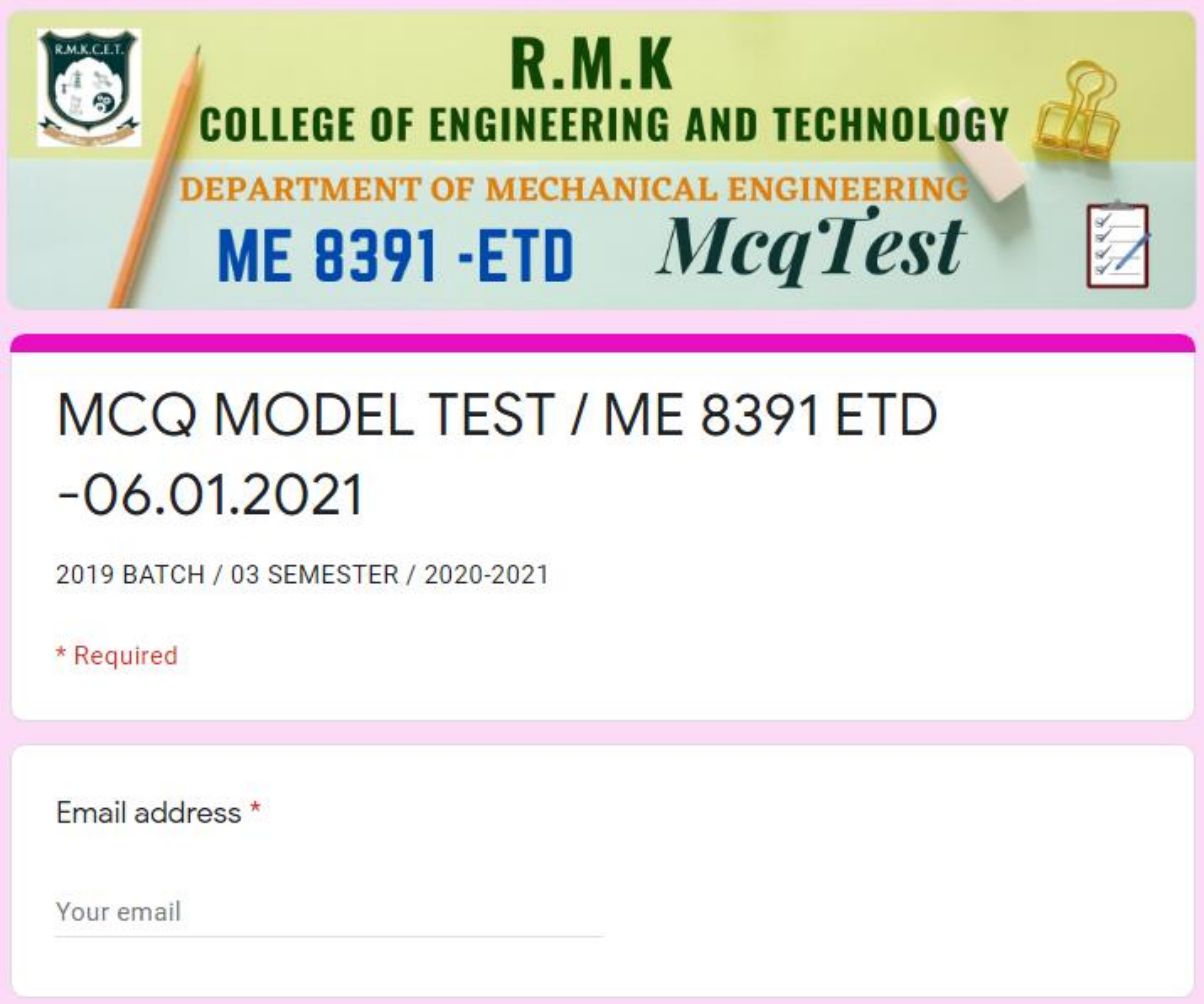
Cross Word

Online MCQ test through Google forms

Goal: To facilitate paperless communication (Online exam) for students to evaluate their skill set.

Significance: Google forms facilitates to post Multi choice questions online so that teachers can evaluate the each student knowledge and return their scores within a minute for their improvement.

Beneficiary: Get their corrected answer scripts and scores immediately after the submission of online exam. Faculty can be able to analyze the question wise performance of the students. The Screen shot of Online MCQ test through Google form analysis are given in the below figure.



REGISTER NUMBER *

Choose

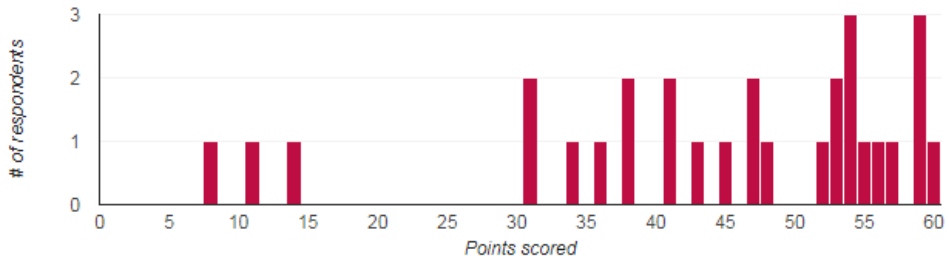
STUDENT NAME *

Choose

Insights

Average	Median	Range
44.07 / 60 points	47 / 60 points	8 - 60 points

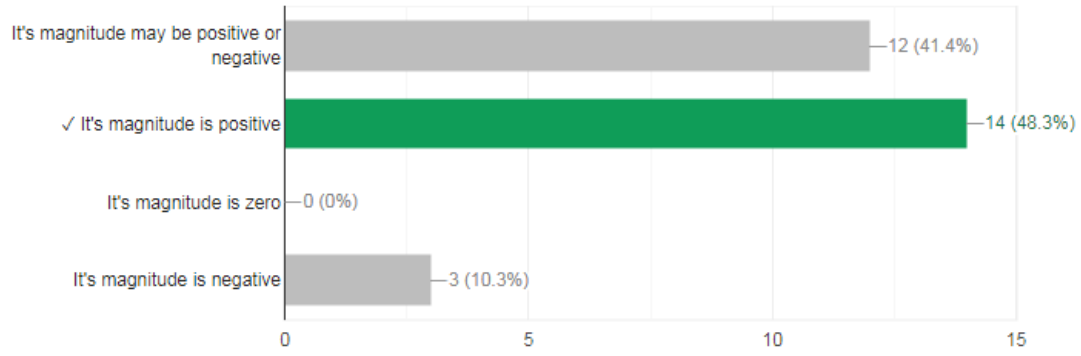
Total points distribution



PART A

If heat is added to the system

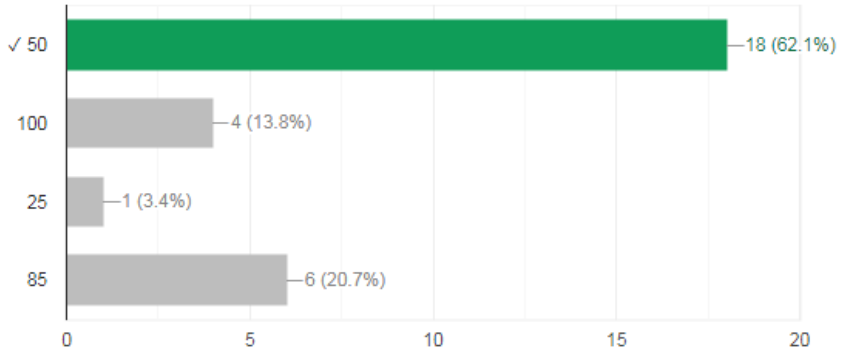
14 / 29 correct responses



PART B

A 120 kJ of work has been done during the process within a closed system. During this process, the total energy of the system has been increased by 70 kJ. Determine the amount heat added or removed (kJ) from the system during this process.

18 / 29 correct responses



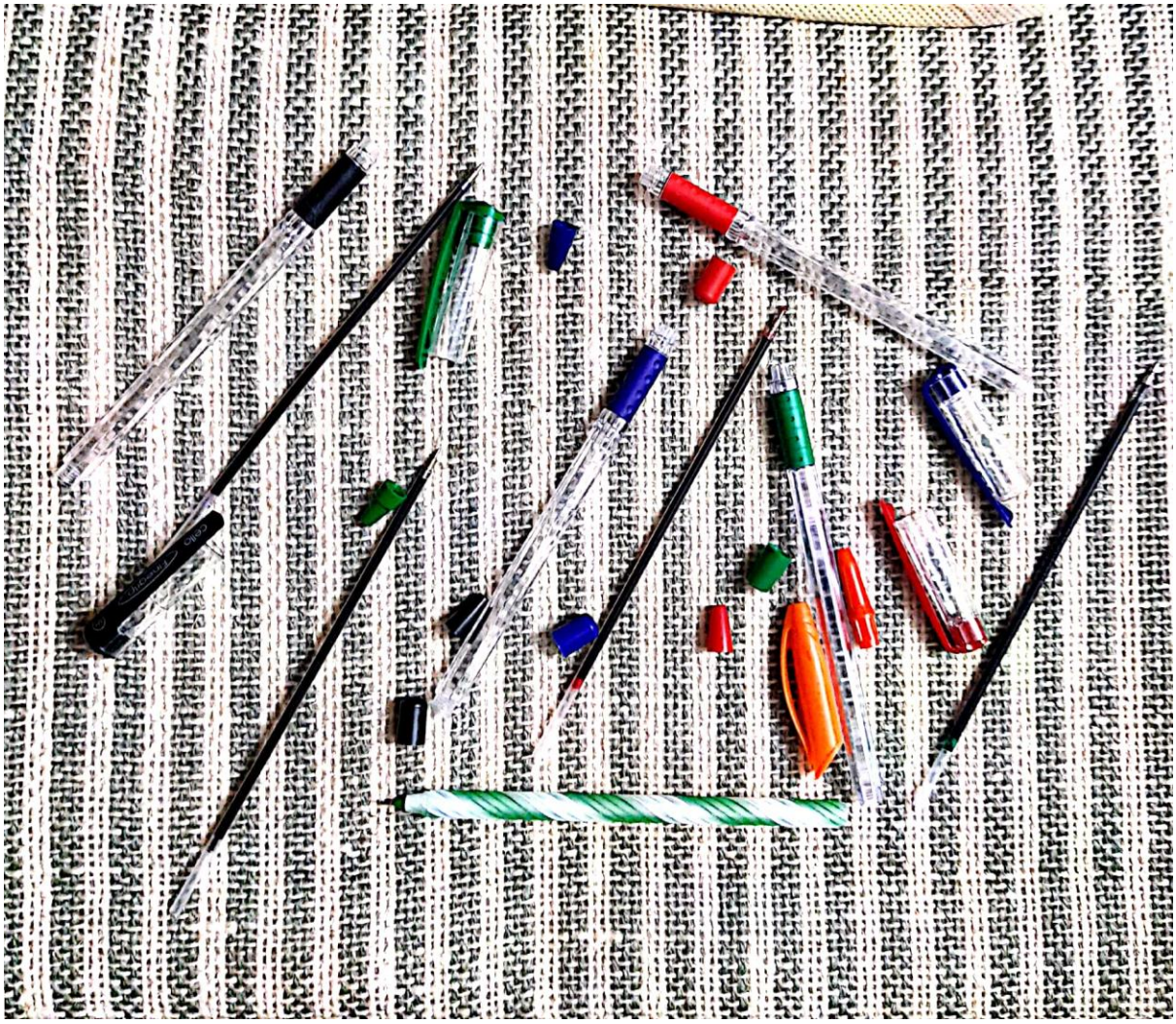
Game based learning

Goal: To facilitate game based learning for students to enhance their knowledge.

Significance: Game based learning facilitates to understand the 5S implementation in a real scenario.

Beneficiary: Understand the 5S principles in easy way and gives great vision of 5S techniques in real time. The Screen shot 5S game are given in the below figure.

5S Challenge

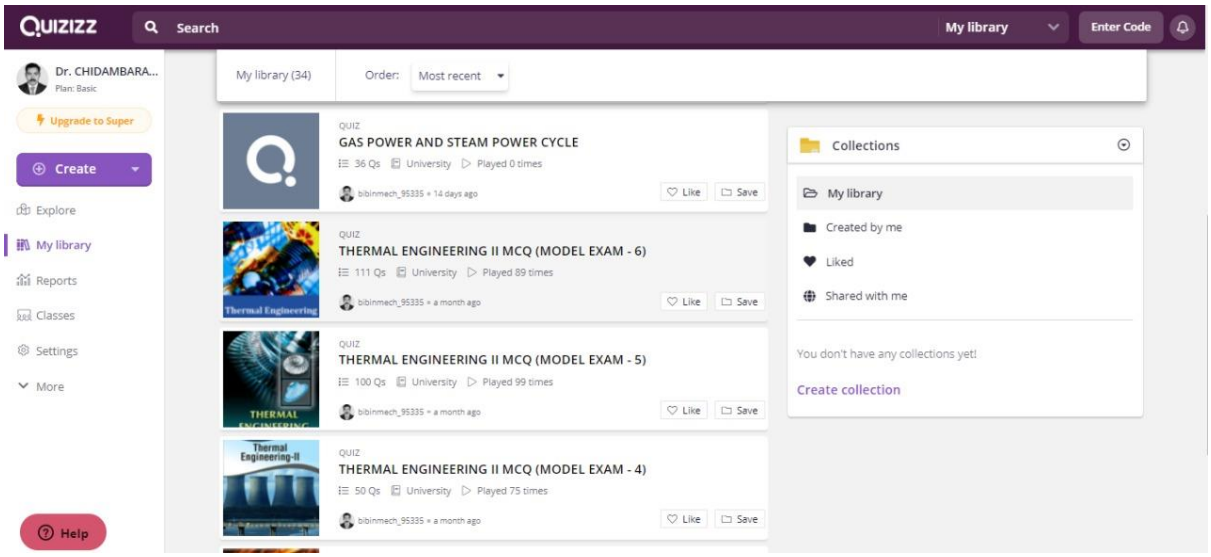


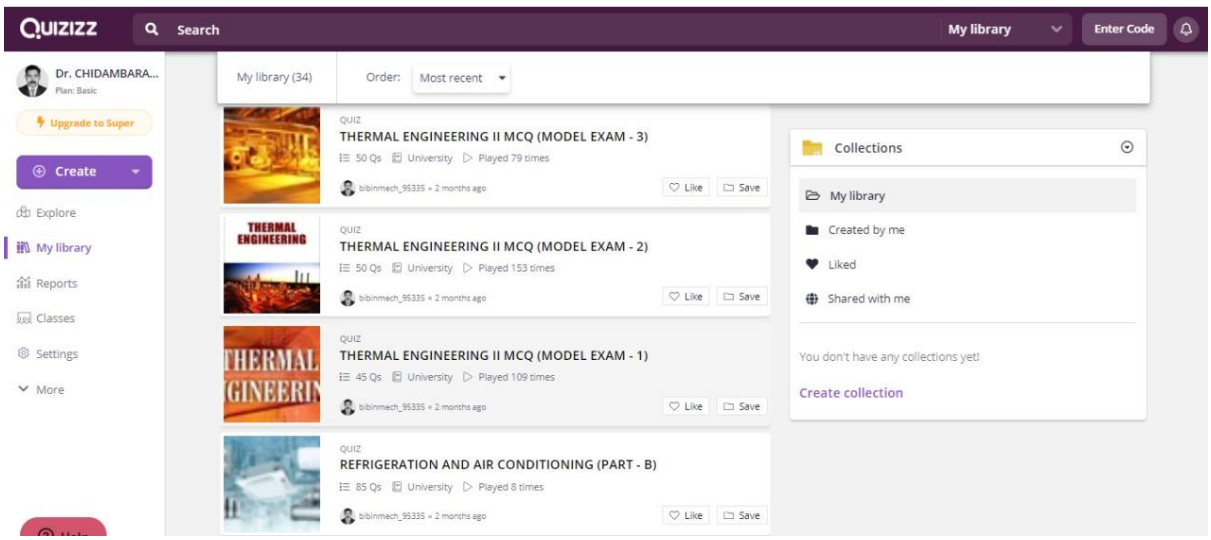
Technical quiz through online platform (QUZZIZ)

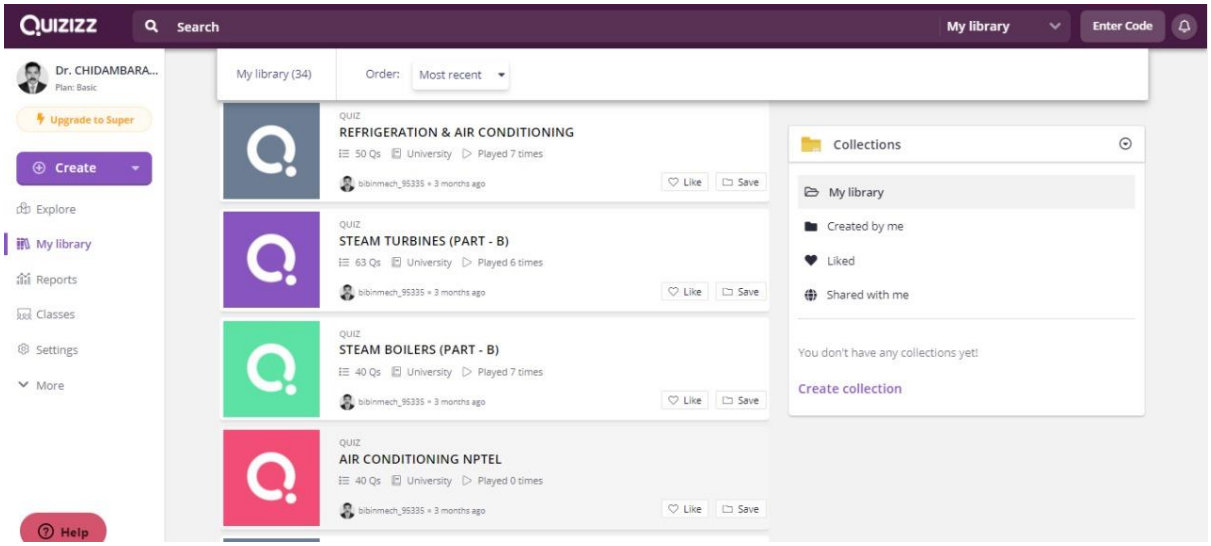
Goal: To facilitate Technical Quizz through QUIZZIZ platfrom for students to evaluate their skill set.

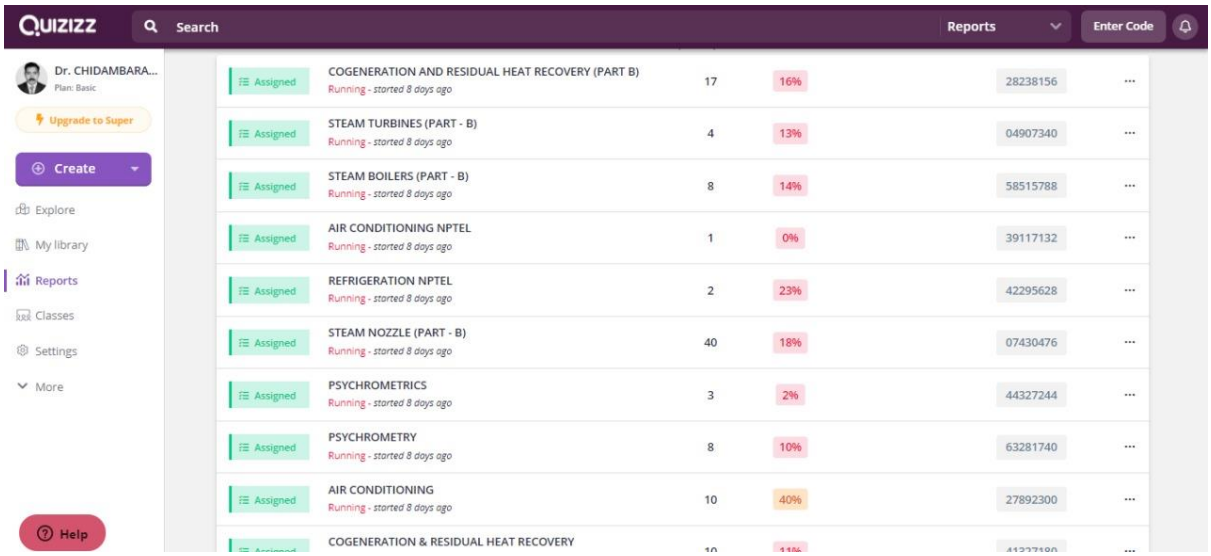
Significance: QUZZIZ facilitates to post Multi choice questions online so that student can take their test in a interactive way with greater understanding of subjects and they get their scores within a minute for improvement.

Beneficiary: Get their weakness area of the subject to improve his knowledge. Faculty can be able to analyze the question wise performance of the students. The Screen shot of Technical quiz through QUIZZIZ platform analysis are given in the below figure.

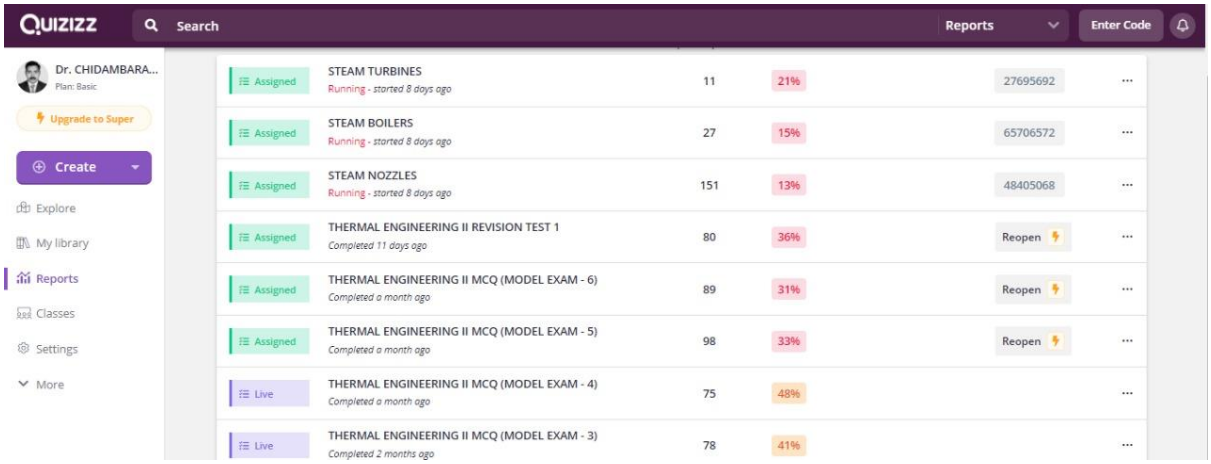


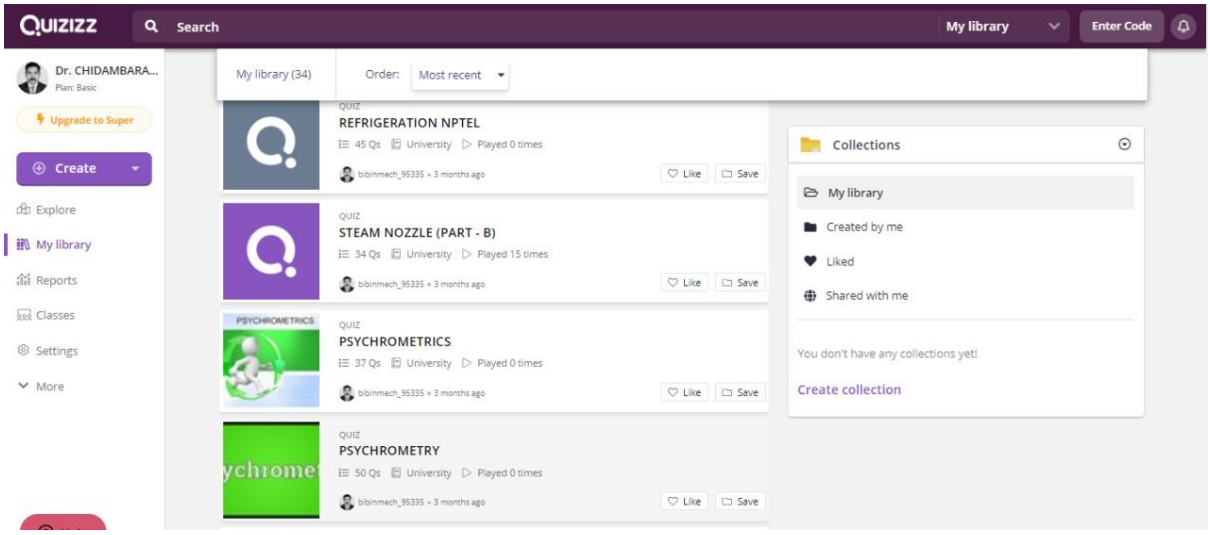



QUIZIZZ
Search
My library
Enter Code
Dr. CHIDAMBARA...
Plan: Basic
Upgrade to Super
Create
Explore
My library
Reports
Classes
Settings
More
Help
My library (34)
Order: Most recent
QUIZ
REFRIGERATION & AIR CONDITIONING
50 Qs University Played 7 times
bibinmech_95335 • 3 months ago
Like Save
QUIZ
STEAM TURBINES (PART - B)
63 Qs University Played 6 times
bibinmech_95335 • 3 months ago
Like Save
QUIZ
STEAM BOILERS (PART - B)
40 Qs University Played 7 times
bibinmech_95335 • 3 months ago
Like Save
QUIZ
AIR CONDITIONING NPTEL
40 Qs University Played 0 times
bibinmech_95335 • 3 months ago
Like Save
Collections
My library
Created by me
Liked
Shared with me
You don't have any collections yet!
Create collection


QUIZIZZ
Search
Reports
Enter Code
Dr. CHIDAMBARA...
Plan: Basic
Upgrade to Super
Create
Explore
My library
Reports
Classes
Settings
More
Help
Assigned
COGENERATION AND RESIDUAL HEAT RECOVERY (PART B)
Running - started 8 days ago
17 16% 28238156
Assigned
STEAM TURBINES (PART - B)
Running - started 8 days ago
4 13% 04907340
Assigned
STEAM BOILERS (PART - B)
Running - started 8 days ago
8 14% 58515788
Assigned
AIR CONDITIONING NPTEL
Running - started 8 days ago
1 0% 39117132
Assigned
REFRIGERATION NPTEL
Running - started 8 days ago
2 23% 42295628
Assigned
STEAM NOZZLE (PART - B)
Running - started 8 days ago
40 18% 07430476
Assigned
PSYCHROMETRICS
Running - started 8 days ago
3 2% 44327244
Assigned
PSYCHROMETRY
Running - started 8 days ago
8 10% 63281740
Assigned
AIR CONDITIONING
Running - started 8 days ago
10 40% 27892300
COGENERATION & RESIDUAL HEAT RECOVERY


QUIZIZZ
Search
Reports
Enter Code
Dr. CHIDAMBARA...
Plan: Basic
Upgrade to Super
Create
Explore
All reports
Filter by class
Filter by date
Type
Quiz name
Total participants
Accuracy
Code
Live
STEAM TURBINES
Completed 3 months ago
91 49%
Live
STEAM BOILERS
Completed 3 months ago
111 54%


QUIZIZZ
Search
Reports
Enter Code
Dr. CHIDAMBARA...
Plan: Basic
Upgrade to Super
Create
Explore
My library
Reports
Classes
Settings
More
Assigned
STEAM TURBINES
Running - started 8 days ago
11
21%
27695692
Assigned
STEAM BOILERS
Running - started 8 days ago
27
15%
65706572
Assigned
STEAM NOZZLES
Running - started 8 days ago
151
13%
48405068
Assigned
THERMAL ENGINEERING II REVISION TEST 1
Completed 11 days ago
80
36%
Reopen
Assigned
THERMAL ENGINEERING II MCQ (MODEL EXAM - 6)
Completed a month ago
89
31%
Reopen
Assigned
THERMAL ENGINEERING II MCQ (MODEL EXAM - 5)
Completed a month ago
98
33%
Reopen
Live
THERMAL ENGINEERING II MCQ (MODEL EXAM - 4)
Completed a month ago
75
48%
Live
THERMAL ENGINEERING II MCQ (MODEL EXAM - 3)
Completed 2 months ago
78
41%


QUIZIZZ
Search
My library
Enter Code
Dr. CHIDAMBARA...
Plan: Basic
Upgrade to Super
Create
Explore
My library
Reports
Classes
Settings
More
My library (34)
Order:
Most recent
QUIZ
REFRIGERATION NPTEL
45 Qs
University
Played 0 times
bibinmech_95335 • 3 months ago
Like
Save
QUIZ
STEAM NOZZLE (PART - B)
34 Qs
University
Played 15 times
bibinmech_95335 • 3 months ago
Like
Save
PSYCHROMETRICS
QUIZ
PSYCHROMETRICS
37 Qs
University
Played 0 times
bibinmech_95335 • 3 months ago
Like
Save
QUIZ
PSYCHROMETRY
50 Qs
University
Played 0 times
bibinmech_95335 • 3 months ago
Like
Save
Collections
My library
Created by me
Liked
Shared with me
You don't have any collections yet!
Create collection

Video Lectures

Goal: To enhancecontinuous and open learning of students for their professional development

To train young and inexperienced teachers to enable them to carry out their academic responsibilities effectively

Significance: Our department is enriched with video lectures comprises Manufacturing, Design, Thermal and other Engineering related courses. Teaching through video lectures impresses the students as the repeatability is quite effective. The video lectures provide curriculum based information for effective learning of the difficult concepts. Video lecturing increases visual learning capability without tiring the students.

Beneficiary: Students from second, third and final year can access the video lectures anywhere at any time. This is a practice which has been inculcated in our students, which has helped ourstudents to carry on enhancedself learning.

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Dr.S.SENTHIL KUMAR	ASSOCIATE PROFESSOR	Power Plant Engineering	II	Diesel Engine and it's operation	https://youtu.be/jGKI6IvmUyY
Dr.S.SENTHIL KUMAR	ASSOCIATE PROFESSOR	Power Plant Engineering	II	Gas Turbine Power Plant	https://youtu.be/7uJYdtILA9s
Dr.S.SENTHIL KUMAR	ASSOCIATE PROFESSOR	Power Plant Engineering	II	Combined Power Plant Generation	https://youtu.be/R7DHdBiCQ8c
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	INTRODUCTION TO STEAM NOZZLE	https://youtu.be/ZfrBYBYtnng
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 01 MOLLIER CHART	https://www.youtube.com/watch?v=lxNQtKqsYM0&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=2
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 01 STEAM TABLE	https://www.youtube.com/watch?v=4qpXXoevvYk&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 02 MOLLIER CHART	https://www.youtube.com/watch?v=yeVTO91FwfI&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=5
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 02 STEAM TABLE	https://www.youtube.com/watch?v=L_sotyJtIQQ&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 03 MOLLIER CHART	https://www.youtube.com/watch?v=6w-pBstvFGk
Dr.BIBIN C	ASSOCIATE	Thermal	I	PROBLEM ON STEAM	https://www.youtube.com/watch

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
	PROFESSOR	Engineering-II		NOZZLE 03 STEAM TABLE	?v=PoiFmnFiTS4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM 07 MOLLIER CHART	https://youtu.be/CtdYRHz8yKI
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM 07 STEAM TABLE	https://youtu.be/Eh6Nnxfrebg
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM 08 MOLLIER CHART	https://youtu.be/fqXsdvAc5xk
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 04- MOLLIER CHART	https://youtu.be/Eb_A6NlzDo4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 04 – STEAM TABLE	https://youtu.be/zX7vi_ITXTQ
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 05 – STEAM TABLE	https://youtu.be/sQjS2MH0IIs
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 5 - MOLLIER CHART	https://youtu.be/-cPYUQhLYvc
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 6 - MOLLIER CHART	https://youtu.be/U84Ktu76Cw4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 06 – STEAM TABLE	https://youtu.be/EEayXlmDuS0

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 08 STEAM TABLE	https://www.youtube.com/watch?v=Yzl5L0NZP9o&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=18&t=53s
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 09 MOLLIER CHART	https://www.youtube.com/watch?v=pamQpKIGhxc&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=18
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 10 MOLLIER CHART	https://www.youtube.com/watch?v=ikRuV23Ldzo&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=20
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 10 STEAM TABLE	https://www.youtube.com/watch?v=PrZ23Uyk-Rw&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=21
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 09 STEAM TABLE	https://www.youtube.com/watch?v=XZaZEIDjLy4&list=PLMLOLFyBOymvIp3U4vJ0s6JjxnRBoxZVo&index=19
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 11 MOLLIER CHART	https://youtu.be/XSfEWTlku-A
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 11 STEAM TABLE	https://youtu.be/t27pvAU4Juo
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 12 MOLLIER CHART	https://youtu.be/UhIDVKIUm7k

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 12 STEAM TABLE	https://youtu.be/_L6K6kSlFjY
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON NOZZLE 13	https://youtu.be/SIoEtFTWux4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON NOZZLE 14	https://youtu.be/P7JtNsfAnB8
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 15 MOLLIER CHART	https://youtu.be/HvKt3uWNQBw
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	PROBLEM ON STEAM NOZZLE 15 STEAM TABLE	https://youtu.be/kbl2GOzDpLA
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	PROBLEM ON NATURAL DRAUGHT 01	https://youtu.be/iBVWto64pSA
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	PROBLEM ON NATURAL DRAUGHT 02	https://youtu.be/7biFK8E6yJM
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	III	PROBLEM ON IMPULSE STEAM TURBINE 01 (ANALYTICAL METHOD)	https://youtu.be/qdEGRuZEIwA
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	III	PROBLEM ON IMPULSE STEAM TURBINE 02 (ANALYTICAL METHOD)	https://youtu.be/OmDmgoj5Io4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-	III	PROBLEM ON IMPULSE STEAM TURBINE	https://youtu.be/_TlHtFy9JA

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
		II		01(GRAPHICAL METHOD)	
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	III	PROBLEM ON IMPULSE STEAM TURBINE 02 (GRAPHICAL METHOD)	https://youtu.be/DXw41DO8O08
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 1	https://youtu.be/d0oGerX_Kq4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 2	https://youtu.be/fOBGiWcq69w
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 3	https://youtu.be/HMbjEFV3_k0
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 4	https://youtu.be/-uNZpbWLQ3E
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 5	https://youtu.be/ADKBaizJwTQ
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 6	https://youtu.be/bQ5-oGGWR8M
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 7	https://youtu.be/5cEmGo5AjSM
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 8	https://youtu.be/Q1Kr_EDsBbM
Dr.BIBIN C	ASSOCIATE	Thermal	II	THERMAL ENGINEERING	https://youtu.be/y4I0LTYb3Pc

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
	PROFESSOR	Engineering-II		II - STEAM BOILER - MCQ - MODULE 9	
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	THERMAL ENGINEERING II - STEAM BOILER - MCQ - MODULE 10	https://youtu.be/Z4etfLs-i7w
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	THERMAL ENGINEERING II - STEAM NOZZLE - MCQ - MODULE 1	https://youtu.be/E_PvMm7iMXw
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	STEAM NOZZLE - MCQ - MODULE 2	https://youtu.be/oDUSlqB84UI
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	STEAM NOZZLE - MCQ - MODULE 3	https://youtu.be/aPAtQbAd98Q
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	STEAM BOILERS - MCQ - MODULE 11	https://youtu.be/wyHjSNvwrS4
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	STEAM BOILERS - MCQ - MODULE 12	https://youtu.be/Wztv4sR1TRU
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	STEAM BOILERS - MCQ - MODULE 13	https://youtu.be/qBLTUvlOMxA
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	STEAM BOILERS - MCQ - MODULE 14	https://youtu.be/ridOlXMfmng
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	I	STEAM BOILERS - MCQ - MODULE 15	https://youtu.be/XKIsVX_4v9o

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	STEAM BOILERS - MCQ - MODULE 16	https://youtu.be/JKw9mWxAeHk
Dr.BIBIN C	ASSOCIATE PROFESSOR	Thermal Engineering-II	II	STEAM BOILERS - MCQ - MODULE 17	https://youtu.be/MHeoI_jeA7s
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	V	Introduction to Isometric Projection	https://youtu.be/nCm8B16SMxU
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	V	Isometric View of Hexagonal Plane	https://youtu.be/sI1TOaMQaPk
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	V	Isometric View of Circular Lamina	https://youtu.be/_-CGlzR8rmo
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	I	Projection of Straight Lines - Mid-point Problem	https://youtu.be/n06WvHM0_xQ
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	V	Isometric View of a Cylinder	https://youtu.be/lOWtURsB1iM
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	V	Isometric View of a Hexagonal Prism	https://youtu.be/ULuLRslPmME
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	V	Isometric View of a Cone	https://youtu.be/0RQscrziiEY
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	V	Isometric view of hexagonal frustum	https://youtu.be/goWalaO3-to
Dr.KARTHICK	ASSISTANT PROFESSOR	Engineering Graphics	V	Isometric projection of frustum (cone)	https://youtu.be/JG0FUNeY4-A
Mr. ARUNKUMAR S	ASSISTANT PROFESSOR	Engineering Graphics	II	Projection of Solids	https://youtu.be/fYovPYfUk_s
Mr. ARUNKUMAR S	ASSISTANT PROFESSOR	Mechatronics	IV	Cascade Method	https://youtu.be/1yoNdZkJw7s

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Mr. ARUNKUMAR V	ASSISTANT PROFESSOR	Design of Machine Elements	I	DME Introduction	https://youtu.be/DLSg11PTrvU
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and Machinery	I	BASIC OF FLUID MECHANICS AND PROPERTIES OF FLUIDS	https://youtu.be/slTqZhaNm7c
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and Machinery	I	VISCOSITY AND TYPES OF FLUID	https://youtu.be/-mZg3tkDg9g
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Design of Machine Elements	I	INTRODUCTION TO THE DESIGN PROCESS	https://youtu.be/AQ440WSZ5yo
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and Machinery	I	PROBLEMS ON VISCOSITY (PLATE)	https://youtu.be/YoEWF1V3hiQ
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and Machinery	I	PROBLEMS ON VISCOSITY (PLATE)	https://youtu.be/XDrlAL-8gCg
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and Machinery	I	PROBLEMS VISCOSITY (PLATE)	https://youtu.be/LMKrkZm46QQ
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and	I	PROBLEMS ON VISCOSITY (PLATE)	https://youtu.be/z5hRlR5cHyI

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
		Machinery			
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and Machinery	I	PROBLEMS ON VISCOSITY (INCLINED PLATE)	https://youtu.be/zrw_noe0vf4
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and Machinery	I	PROBLEMS ON VISCOSITY (PLATE)	https://youtu.be/rkjo5EEzzJo
Mr. ASHOK KUMAR R	ASSISTANT PROFESSOR	Fluid Mechanics and Machinery	I	VISCOSITY PROBLEMS ON PARABOLIC CURVE	https://youtu.be/BUp3w3Jwa_A
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	BASIC CONCEPTS OF THERMODYNAMICS	https://youtu.be/L6uNqtRP5XY
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS ON FIRST LAW OF THERMODYNAMICS	https://youtu.be/bovwd0ZZxOA
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS ON FIRST LAW OF THERMODYNAMICS	https://youtu.be/gvATZaZxq7U
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	BASIC PROBLEMS ON THERMODYNAMICS	https://youtu.be/PcpAX-JRxnE
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	BASIC PROBLEMS OF FIRST LAW OF THERMODYNAMICS	https://youtu.be/YDZL0tkaRrM
Mr. GOPINATH S	ASSISTANT	Engineering	I	BASIC PROBLEMS OF	https://youtu.be/lMF6QDI-RKg

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
	PROFESSOR	Thermodynamics		FIRST LAW OF THERMODYNAMICS	
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS OF FIRST LAW OF THERMODYNAMICS	https://youtu.be/cSwPYocVrls
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	CONCEPT OF ENTROPY	https://youtu.be/bdbr2lMxtrA
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	INRODUCTION TO NON FLOW PROCESS	https://youtu.be/G6La-CKFL-s
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	CONSTANT VOLUME PROCESS	https://youtu.be/8z-VQJAGoP4
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEM ON CONSTANT VOLUME PROCESS	https://youtu.be/mztakWuowNU
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	CONSTANT PRESSURE PROCESS	https://youtu.be/Mzsu0Vys3iA
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS ON CONSTANT PRESSURE PROCESS	https://youtu.be/TKJ9x6sRoYM
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	CONSTANT TEMPERATURE PROCESS	https://youtu.be/zUMGJqwNunA
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS ON CONSTANT TEMPERATURE PROCESS	https://youtu.be/MeVbxe68rg0

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	REVERSIBLE ADIABATIC PROCESS	https://youtu.be/nooZ4ZGIVyc
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEM ON ISENTROPIC PROCESS	https://youtu.be/MFZbZBUlK6A
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	POLYTROPIC PROCESS	https://youtu.be/QxK50R1YlxI
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEM ON POLYTROPIC PROCESS	https://youtu.be/Lq9_27dI5mY
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS ON COMBINATION OF NONFLOW PROCESS	https://youtu.be/l_pKnaCEmRA
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	STEADY FLOW ENERGY EQUATION (SFEE)	https://youtu.be/nnu_tjuEuus
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS ON STEADY FLOW ENERGY EQUATION (SFEE)	https://youtu.be/E_ogdLqTcAU
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS ON STEADY FLOW ENERGY EQUATION (SFEE)	https://youtu.be/mmTBgKF86Zk
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	I	PROBLEMS ON STEADY FLOW ENERGY EQUATION (SFEE)	https://youtu.be/7NcJwd1irBY
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodyna	II	SECOND LAW OF THERMODYNAMICS	https://youtu.be/TyIj6z-FY0g

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
		mics			
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	II	PROBLEM ON HEAT ENGINE AND REFRIGERATOR	https://youtu.be/QEXmu1qjK-w
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	II	CLAUSIUS INEQUALITY AND ITS PROBLEMS	https://youtu.be/pLDgc4EFFck
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	II	PROBLEMS ON MULTI RESERVOIR HEAT ENGINES	https://youtu.be/eHM6YBansO4
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	II	PROBLEMS ON HEAT ENGINES CONNECTED IN SERIES	https://youtu.be/C8U2Q5HHoeY
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	II	PROBLEMS ON THREE HEAT ENGINES CONNECTED IN SERIES	https://youtu.be/-_zdoNkpqcI
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	II	PROBLEM ON HEAT ENGINE AND REFRIGERATOR CONNECTED IN PARALLEL	https://youtu.be/2zu_8OzRBtY
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	II	PROBLEM ON HEAT ENGINE AND HEAT PUMP CONNECTED IN PARALLEL	https://youtu.be/mmccISg13Ac
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	II	PROBLEMS ON ENTROPY (MIXING OF ICE AND WATER)	https://youtu.be/Snw9Yx6uttA
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	III	PROPERTIES OF PURE SUBSTANCE	https://youtu.be/h70aP3GfzuM

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	III	PROBLEMS ON PROPERTIES OF PURE SUBSTANCE	https://youtu.be/3BUlzh7H2E0
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	III	PROBLEMS ON PROPERTIES OF PURE SUBSTANCE(CONSTANT VOLUME PROCESS)	https://youtu.be/Ynk6VW57bJw
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	III	PROBLEMS ON PROPERTIES OF PURE SUBSTANCE(CONSTANT VOLUME PROCESS)	https://youtu.be/WM64ipZ9UzM
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	III	PROBLEMS ON PROPERTIES OF PURE SUBSTANCE(CONSTANT VOLUME PROCESS)	https://youtu.be/GJceqOrNMKU
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	III	PROBLEMS ON PROPERTIES OF PURE SUBSTANCE(CONSTANT PRESSURE PROCESS)	https://youtu.be/G9quXZG0Ct4
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	III	PROBLEMS ON PROPERTIES OF PURE SUBSTANCE(CONSTANT TEMPERATURE PROCESS)	https://youtu.be/0OG9qbNZI_Q
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodynamics	III	PROBLEMS ON PROPERTIES OF PURE SUBSTANCE(HYPERBOLIC PROCESS)	https://youtu.be/CiA6U_puZ-U
Mr. GOPINATH S	ASSISTANT PROFESSOR	Engineering Thermodyna	III	PROBLEMS ON PROPERTIES OF PURE	https://youtu.be/Fwn0R5qjVkw

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
		mics		SUBSTANCE (THROTTLING PROCESS)	
Mr. HEMADRI CHADALAVADA	ASSISTANT PROFESSOR	Metrology and Measurements	I	Metrology - Introduction , Need, Elements of metrology	https://youtu.be/nFHmg5kG1vA
Mr. HEMADRI CHADALAVADA	ASSISTANT PROFESSOR	Metrology and Measurements	I	Types of Measuring Instruments, Accuracy & Precision	https://youtu.be/EYwrUE9svr0
Mr. HEMADRI CHADALAVADA	ASSISTANT PROFESSOR	Metrology and Measurements	I	Static characteristics of Instruments	https://youtu.be/SeEz2Kh-Y3w
Mr. HEMADRI CHADALAVADA	ASSISTANT PROFESSOR	Metrology and Measurements	I	Dynamic Characteristics of Instruments & Problems on Accuracy & Precision	https://youtu.be/54j1qwSY--E
Mr. HEMADRI CHADALAVADA	ASSISTANT PROFESSOR	Metrology and Measurements	I	Errors in Measurement & control of errors	https://youtu.be/My2Z_XnSr9A
Mr. HEMADRI CHADALAVADA	ASSISTANT PROFESSOR	Metrology and Measurements	I	Measurement Standards	https://youtu.be/fNnhBlr1TVg
Mr. HEMADRI CHADALAVADA	ASSISTANT PROFESSOR	Metrology and Measuremen	II	Linear Measuring Instruments	https://youtu.be/ZzXuyibk17U

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
		ts			
Mr.ARAVINDHAN N	ASSISTANT PROFESSOR	Process Planning and Cost Estimation	I	Introduction to role of process planning in Industries	https://www.youtube.com/watch?v=LetBlCaTolg
Mr.ARAVINDHAN N	ASSISTANT PROFESSOR	Process Planning and Cost Estimation	I	Introduction to role of process planning in Industries	https://www.youtube.com/watch?v=zjLPrIXWrBg
Mr.ARAVINDHAN N	ASSISTANT PROFESSOR	Process Planning and Cost Estimation	I	Fundamentals of process planning	https://www.youtube.com/watch?v=otz1qfI8A2U
Mr.ARAVINDHAN N	ASSISTANT PROFESSOR	Process Planning and Cost Estimation	I	Basics of computer aided process planning	https://www.youtube.com/watch?v=8Uab6okc1t0
Mr.ARAVINDHAN N	ASSISTANT PROFESSOR	Process Planning and Cost Estimation	I	Basics of computer aided process planning	https://www.youtube.com/watch?v=8Uab6okc1t0
Mr.ARAVINDHAN N	ASSISTANT PROFESSOR	Process Planning and Cost Estimation	II	Introduction to Process planning activities	https://www.youtube.com/watch?v=D9rnUp3ryPk
Mr.ARAVINDHAN N	ASSISTANT PROFESSOR	Process Planning and Cost Estimation	II	Cutting speed	https://www.youtube.com/watch?v=wVnW2D8tcJM

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Train problems	https://youtu.be/gz_fmH41jTI
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Train problems part 2	https://youtu.be/hXaDRnGc4Zs
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Train problems part 3	https://youtu.be/GoL6by4SkG4
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Train problems part 4	https://youtu.be/OMM8cPNSxyo
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Train problems part 5	https://youtu.be/g2FEHw4Wn3w
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		MIXTURE and ALLIGATION part 1	https://youtu.be/EdpF2OYm4I4
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Simple & Compound Interest- part I	https://youtu.be/T-kDf7jcPYE
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Simple & Compound Interest- part II	https://youtu.be/l5r0JoNYI6o
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Simple & Compound Interest- part 3	https://youtu.be/Lo3UbBwO6Uw
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Time & Work - part I	https://youtu.be/Ma9LP6pbXok
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		TIME & WORK PART 2_Different Solving Techniques	https://youtu.be/P7boATcFn0k
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		TIME & WORK- PART 3_Most Expected Questions	https://youtu.be/Rvm36Z0OM4I
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Average_Median,Mode,Range,Mean_BASICS	https://youtu.be/DfbVbCUO044
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Importance of Aptitude	https://youtu.be/_HZQc0zsGAM

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Average_Type 1_Combination	https://youtu.be/yOS2YTWyHmo
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Time &Work_BASICS_Part 1 (Modified)	https://youtu.be/kJNu-BbyitU
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Average_Type 2_Inclusion & Exclusion_ Shortcut	https://youtu.be/jHGVEFV5C1k
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Average_Type 3_Replacement	https://youtu.be/gB7HEZGqr4A
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Average _Type 4_ Middle number value_ Shortcut	https://youtu.be/8iTsYJNSV2g
Mr.M.MOHAN RAJ	ASSISTANT PROFESSOR	PLACEMENT TOPICS		Mixture and Alligation part 2_(average tupe 5)_shortcut	https://youtu.be/RizN3epPpVs
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Inertia Forces in Reciprocating parts - Analytical Method Derivation	https://youtu.be/u9pMdE5MTpw
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem on velocity & Acceleration of piston and connecting rod	https://youtu.be/_av_OE_JndI
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem 2 on Velocity & Acceleration of Piston and Connecting rod	https://youtu.be/dGvhoVq0vnM
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem 3 on Velocity & Acceleration of Piston and Connecting rod	https://youtu.be/H3qtRSszRfM
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	FORCES ACTING ON RECIPROCATING PARTS Derivation	https://www.youtube.com/watch?v=vDhUNTkWIsY&list=PLUJu0vJvdE6u_FxDFhG-

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
					dgQk5XU1I_EwH&index=8&t=672s
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	FORCES ACTING ON RECIPROCATING PARTS problem 1.5.1	https://www.youtube.com/watch?v=vDhUNTkWIsY&list=PLUJu0vJvdE6u_FxDFhG-dgQk5XU1I_EwH&index=8&t=672s
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Inertia Forces in Reciprocating Parts Problem 1.5.2	https://www.youtube.com/watch?v=AbqJ70NvjBE&list=PLUJu0vJvdE6u_FxDFhG-dgQk5XU1I_EwH&index=9
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Inertia Forces in Reciprocating Parts Problem 1.5.3	https://www.youtube.com/watch?v=KwhvmiZy0Uc&list=PLUJu0vJvdE6u_FxDFhG-dgQk5XU1I_EwH&index=10
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem 1.5.4 (forces on reciprocating parts)	https://youtu.be/WXCnV_6Tt8o
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem 1.5.5 (problems on forces on reciprocating parts)	https://youtu.be/51eMVGmI5TQ
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem 1.5.6 (problems on forces on reciprocating parts)	https://youtu.be/tTfZH58oe7k
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem 1.5.7 (problems on forces on reciprocating parts)	https://youtu.be/EPoeLu1wqzQ
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem 1.5.8 (problems on forces on reciprocating parts)	https://youtu.be/G7LwMEQfWZU

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problem 1.5.9 (problems on forces on reciprocating parts)	https://youtu.be/2WbVYnmjhKo
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Dynamically equivalent system	https://youtu.be/9PmqY6sctLo
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on dynamically equivalent system	https://youtu.be/tBzSnXNPo-g
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on dynamically equivalent systems	https://youtu.be/FEWI4VpFk7o
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Introduction to Flywheels and Turning Moment Diagrams	https://youtu.be/UazSwpTymeg
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on Flywheel	https://youtu.be/I7464u4J59o
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on Flywheels	https://youtu.be/MEygTQZwlkM
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on flywheels & Turning moment diagram	https://youtu.be/xYAItJn_16k
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on flywheels & Turning moment diagram	https://youtu.be/1Axm0vsrWDs
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on flywheels & Turning moment diagram	https://youtu.be/OzIS4irgnHw
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on flywheels & Turning moment diagram	https://youtu.be/jnOH_eiFRfY
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Introduction to Flywheel rim dimensions calculation	https://youtu.be/MyDYxSjKzgI
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems in calculation of flywheel rim dimensions	https://youtu.be/DMaXGgW26wI
Mr.SADASIVAN N	ASSISTANT	Dynamics of	I	Flywheel application in	https://youtu.be/ri_LbM1vMRA

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
	PROFESSOR	Machines		punch presses - introduction	
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	I	Problems on Flywheels applied in punching presses	https://youtu.be/SL47ACMeGPU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Introduction to balancing of rotating masses	https://youtu.be/vFt_UUWhmkg
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Problems on balancing of rotating masses	https://youtu.be/cEzu1X1KN1M
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Problems on balancing of rotating masses	https://youtu.be/e3pX9hawZUc
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Problems on balancing of rotating masses	https://youtu.be/PJg-ufR0JHM
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Problems on balancing of rotating masses	https://youtu.be/5PaOQelZ33I
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Problems on balancing of rotating masses	https://youtu.be/rQFkWkJHgN4
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Introduction to balancing of reciprocating masses	https://youtu.be/fKjoVctEnv8
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Problems on balancing of reciprocating masses	https://youtu.be/eVuWn9zi9RU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Problems on balancing of reciprocating masses	https://youtu.be/osMgTfQgBXM
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	II	Problems on balancing of reciprocating masses	https://youtu.be/iKFw5a58zbI
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Introduction to vibrations	https://youtu.be/FN9OuEmXXQo
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Natural frequency of free transverse vibration -	https://youtu.be/YuH6ETqwe6U

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
				derivation	
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Natural frequency of free longitudinal vibration - derivation	https://youtu.be/jDHq1iXhYWE
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Formulae required for solving problems on free vibrations	https://youtu.be/icibT9AJ9YU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on free vibrations	https://youtu.be/RjDd6z3clho
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on free vibrations	https://youtu.be/a940nvk1C9Q
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on free vibrations	https://youtu.be/a940nvk1C9Q
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Dunkerley's method introduction	https://youtu.be/5oJ9jhx8yAg
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problem on Dunkerley's method	https://youtu.be/chXrCDF7vdk
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Introduction to critical speed of shaft	https://youtu.be/blmzq4pLsZM
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on critical speed of shaft	https://youtu.be/4uQVBCSadX0
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on critical speed of shaft	https://youtu.be/COTcAK2Ohx4
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on critical speed of shaft	https://youtu.be/Yq4TeT6ityQ
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Natural frequency of free damped vibration - derivation	https://youtu.be/WttXt7sqzE0
Mr.SADASIVAN N	ASSISTANT	Dynamics of	III	Logarithmic Decrement	https://youtu.be/8jF1kei2Fj8

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
	PROFESSOR	Machines		Derivation	
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Logarithmic Decrement	https://youtu.be/y0jSLtiRWkA
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Logarithmic Decrement	https://youtu.be/y0jSLtiRWkA
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Logarithmic Decrement	https://youtu.be/y0jSLtiRWkA
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Logarithmic Decrement - Problem 2	https://youtu.be/hTxqDoZORZU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Logarithmic Decrement - Problem 3	https://youtu.be/X1zfwz2YOzo
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Logarithmic Decrement - Problem 4	https://youtu.be/TYyOpjAeZ9I
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Logarithmic Decrement - Problem 6	https://youtu.be/o-prG3_B7WI
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Logarithmic Decrement - Problem 7	https://youtu.be/xEeyhbnKGb4
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Introduction to torsional vibrations - Derivation	https://youtu.be/GE6Dr4ZBqP4
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Free Torsional vibration of a single, double & Triple rotor system - Derivation	https://youtu.be/Ed2evy1uieQ
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Torsional vibration - Problem 1	https://youtu.be/zeLqXIMe5bQ
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Torsionally equivalent shaft - Derivation	https://youtu.be/nZ7GOLcA0O0
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on torsional vibration - Problem 2	https://youtu.be/BrdYJbDHTww
Mr.SADASIVAN N	ASSISTANT	Dynamics of	III	Problems on torsional	https://youtu.be/3kO8n-G2jtE

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
	PROFESSOR	Machines		vibration - Problem 3	
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Torsional vibration - Problem 4	https://youtu.be/_k4y7jvC7NY
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Torsional Vibration - Problem 5	https://youtu.be/selbdZqlWZk
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on torsional vibration - Problem 6	https://youtu.be/5B2kqqnLMyk
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Torsional Vibration of a Geared shaft	https://youtu.be/h5wrQ8WloP0
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Torsional vibrations of Geared systems - Problem 1	https://youtu.be/dAyaUInF4V0
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Torsional vibrations of Geared systems - Problem 2	https://youtu.be/ERgcJPd_2o0
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	III	Problems on Torsional vibrations of Geared systems	https://youtu.be/BTb2eZnt188
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Frequency of Under Damped Forced Vibration	https://youtu.be/qrfRXRnwQdA
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Magnification of amplitude owing to Dynamic force generation - Derivation	https://youtu.be/NJgQW-CFzJ4
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Problems on Forced Vibrations - Problem 1	https://youtu.be/9AVTcbzMT2g
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Problems on Forced Vibrations - Problem 2	https://youtu.be/jeR-kOsWE_4
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Problems on Forced Vibrations - Problem 3	https://youtu.be/ZG0HpiEJMpY

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Problems on Forced Vibration - Problem 4	https://youtu.be/aIsIi65Tcpo
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Vibration Isolation & Transmissibility - Derivation	https://youtu.be/U0eUelsbQCo
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Problems on vibration isolation & Transmissibility - Problem 1	https://youtu.be/bdCkrz5nmzE
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Problems on Vibration isolation & Transmissibility - Problem 2	https://youtu.be/QPVRWHi1flI
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	IV	Problems on Vibration isolation &Transmissibility - Problem 3	https://youtu.be/s9VuBtTm1TQ
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Introduction to Governors & their types	https://youtu.be/kf_fogvB9mc
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Watt Governor Derivation	https://youtu.be/S1B4ni2I5I8
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problem on Watt Governor - Problem 1	https://youtu.be/x4j_CoyeMiA
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Proter Governor introduction	https://youtu.be/SP-tJWC_PQk
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor - Problem 1	https://youtu.be/eaJET84uX4M
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor - Problem 2	https://youtu.be/YKz8kVaGZ2k
Mr.SADASIVAN N	ASSISTANT	Dynamics of	V	Problems on Porter	https://youtu.be/SNndMCIfWS4

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
	PROFESSOR	Machines		Governor - Problem 3	
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor - Problem 4	https://youtu.be/njYFUzUaSzk
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor - problem 5	https://youtu.be/SXVSoFx2siA
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor - problem 6	https://youtu.be/6NaeXtJjLg0
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor - Problem 7	https://youtu.be/ZZ-8TUepqno
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Introduction to Proell Governor - Derivation	https://youtu.be/Iz6QLeDe11Y
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Proell Governor - problem 1	https://youtu.be/t86C3nDBIvc
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Proell Governor - Problem 2	https://youtu.be/dBexqrPfXHg
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Proell Governor - Problem 3	https://youtu.be/NxU1LUjPkbI
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Proell Governor - Problem 4	https://youtu.be/C3A-JrAzla0
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Hartnell Governor Introduction	https://youtu.be/cdLSLR2gGjU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Hartnell Governor - Problem 1	https://youtu.be/8DSqSGJIIHA
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Hartnell Governor - Problem 2	https://youtu.be/T_HDByYia2c
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Hartnell Governor - Problem 3	https://youtu.be/N2bngrjogFA
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Hartnell Governor - Problem 5	https://youtu.be/yfgty1FtMRA

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Sensitivity, stability, Hunting, Effort and Power of Governor	https://youtu.be/0jmeR91szO4
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor Effort & Power - Problem 1	https://youtu.be/fCl6iqIT_Yg
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor Effort & Power - Problem 2	https://youtu.be/sf2ylCdVRVU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Porter Governor Effort & Power - Problem 2	https://youtu.be/sf2ylCdVRVU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Hartnell Governor Effort & Power - Problem 1	https://youtu.be/zsuFbPtKTxE
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Hartnell Governor Effort & Power - problem 2	https://youtu.be/rwycdLT2ZPI
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Introduction to Gyroscopic effect	https://youtu.be/ae8Oy4zFCPQ
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Gyroscopic Couple - Problem 1	https://youtu.be/poy-35b0kEU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Gyroscopic Couple - problem 2	https://youtu.be/8t_OLeyHrOg
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Fundamentals of Gyroscopic Couple in Air crafts	https://youtu.be/ph6VvVL-Ddg
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problem on Effect of Gyroscopic couple on Air	https://youtu.be/pIA4ltJIksI

FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
				Crafts	
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Effect of Gyroscopic Couple on Naval Ships - Derivation	https://youtu.be/sf6x3vea0JM
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Effect of Gyroscopic Couple on Naval Ships - Problem 1	https://youtu.be/sYev45NYPnU
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on effect of Gyroscopic Couple on Naval Ships - Problem 2	https://youtu.be/1g0g0F53n9I
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on effect of Gyroscopic Couple on Naval Ships - Problem 3	https://youtu.be/WuJhMP0BZjM
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Effect of Gyroscopic Couple on Naval Ships - Problem 4	https://youtu.be/6KxgGuD0tD0
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Stability of a four wheel drive Moving in a curved path - Introduction	https://youtu.be/_s9MFG9wPxc
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Stability of a Four Wheel Drive Moving in a Curved Path - Effect of Gyroscopic & Centrifugal Couple - problem 1	https://youtu.be/pLA6lA7zZh4
Mr.SADASIVAN N	ASSISTANT PROFESSOR	Dynamics of Machines	V	Problems on Stability of a Four Wheel Drive Moving in a Curved Path - Effect of Gyroscopic & Centrifugal Couple - Problem 2	https://youtu.be/dhxiRlDTy8w
Mr.T. SANKARAMOORTHY	ASSISTANT	Engineering	IV	SECTION OF SOLIDS -	https://www.youtube.com/watch

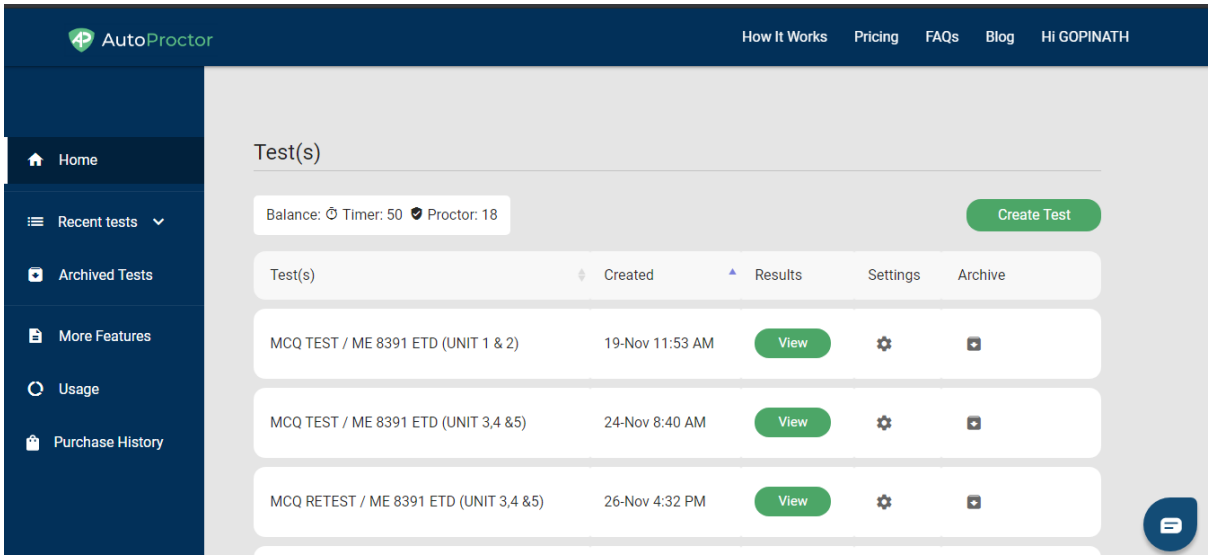
FACULTY NAME	DESIGNATION	SUBJECT NAME	UNIT	TITLE OF VIDEO LECTURE	YOUTUBE VIDEO LINK
	PROFESSOR	Graphics		INTRODUCTION 1.0	?v=WNiM3hVDFdc

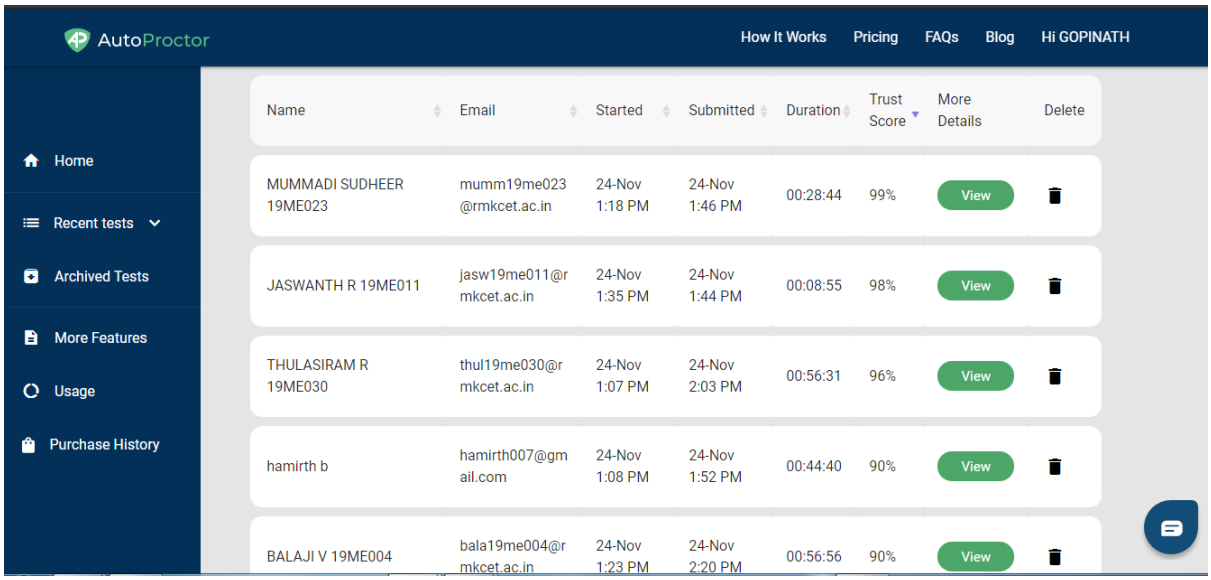
Proctored test

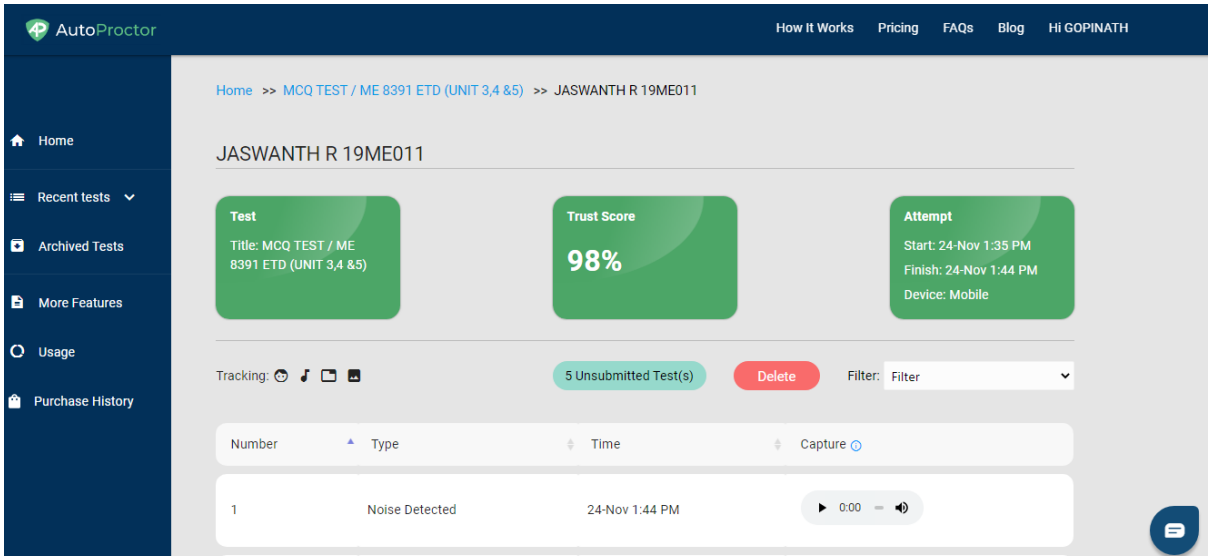
Goal: To facilitate paperless exam (Online proctored exam) for students to evaluate their skill set.

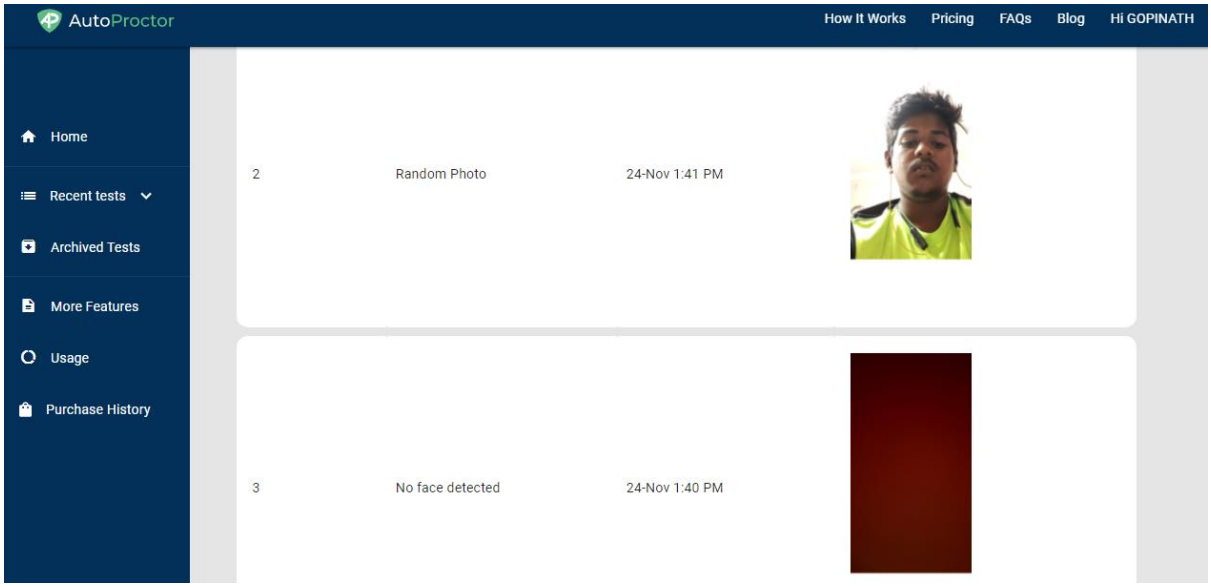
Significance: Online Proctored exam facilitates to monitor the students activity throughout the online exam to avoid malpractice.

Beneficiary: Students can get their credibility score of their exam immediately after submitting their exam with technical scores. The Screen shot of proctored test through Google form are given in the below figure.







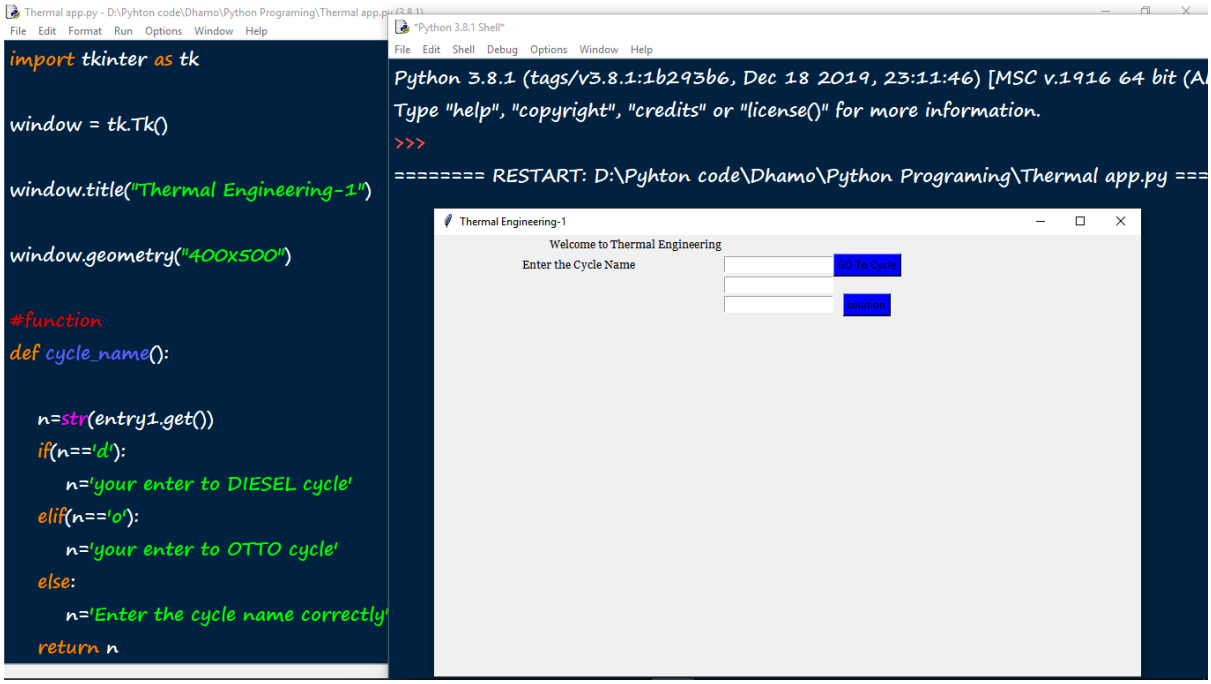


Python program for solving problems in core subjects

Goal: To facilitate the importance of automation and AI in core field to enhance the technical knowledge as well as programming skill set

Significance: Solving problems using Python programming in Engineering thermodynamics, Thermal Engineering to enhance their understanding level of the subject .

Beneficiary: Students can create their own programs for solving Mechanical core problems to find out solutions. The Screen shot of Python programming GUI interface are given in the below figure.



Thermal app.py - D:\Pyhton code\Dhamo\Python Programing\Thermal app.py (3.8.1)

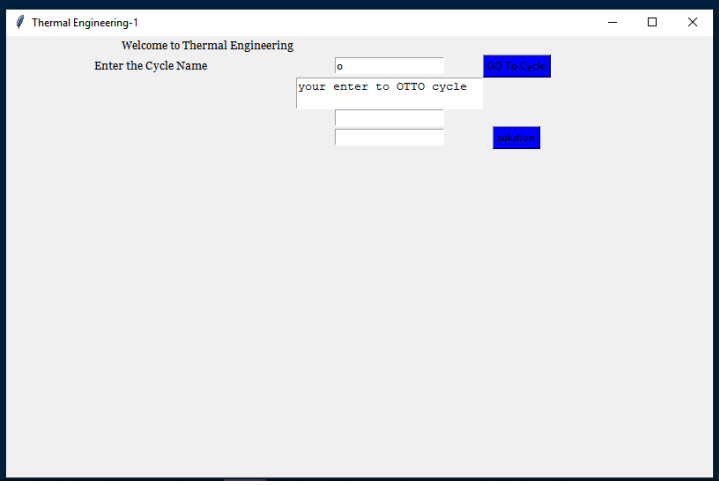
File Edit Format Run Options Window Help

```
import tkinter as tk

window = tk.Tk()

window.title("Thermal Engineering-1")

window.geometry("400x500")

#function
def cycle_name():

    n=str(entry1.get())
    if(n=='d'):
        n='your enter to DIESEL cycle'
    elif(n=='o'):
        n='your enter to OTTO cycle'
    else:
        n='Enter the cycle name correctly'
    return n
```

Python 3.8.1 Shell

File Edit Shell Debug Options Window Help

```
Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 23:11:46) [MSC v.1916 64 bit (A
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======== RESTART: D:\Pyhton code\Dhamo\Python Programing\Thermal app.py ===
```



Python 3.8.1 Shell

File Edit Shell Debug Options Window Help

```
Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 23:11:46) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: D:\Pyhton code\Dhamo\Python Programing\Otto Cycle.py ========
OTTO CYCLE
Beginning Pressure(in bar)=1
```

Ln: 6 Col: 28

Otto Cycle.py - D:\Pyhton code\Dhamo\Python Programing\Otto Cycle.py (3.8.1)

File Edit Format Run Options Window Help

```
print("OTTO CYCLE")
#----pressure----
g="the pressure at the begining of compression is "
h="the pressure at the end of compression  is "
j="the maximum pressure of the cycle is "
k="the pressure at the end of expansion is "
def p(P1,P2,P3,P4):
    if (P1 !=0 and P2 !=0 and P3 !=0 and P4 !=0):
        a=P1
        b=P2
        c=P3
        d=P4
        A=g+ str(a)+" bar and "+h+ str(b)+" bar and "+j+ str(c)+'
    elif (P1 !=0 and P2 !=0 and P3 !=0):
        a = P1
        b = P2
        c = P3
        A = g+ str(a)+" bar and "+h+ str(b)+" bar and "+j+ str(c)
    elif (P2 != 0 and P3 !=0 and P4 !=0):
```

Ln: 1 Col: 0

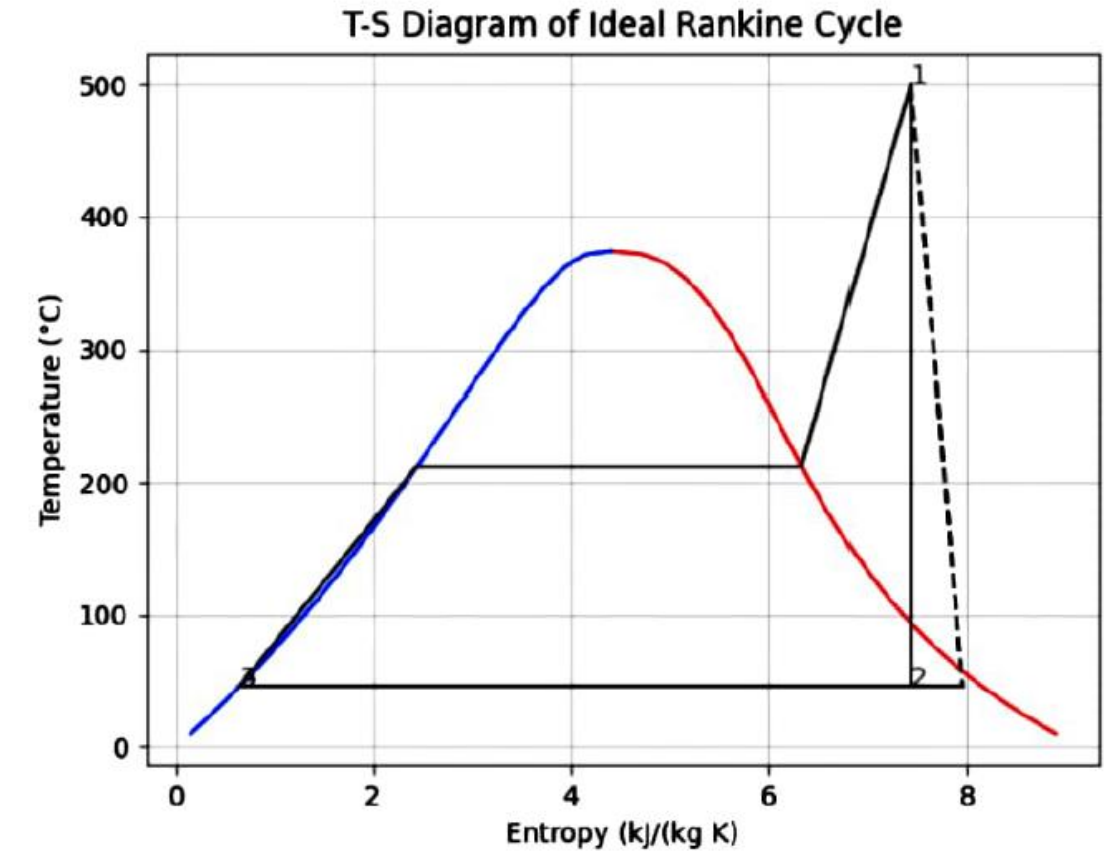
Python 3.8.1 Shell

File Edit Shell Debug Options Window Help

```
Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 23:11:46) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: D:\Pyhton code\Dhamo\Python Programing\Otto Cycle.py ========
OTTO CYCLE
Beginning Pressure(in bar)=
```

Ln: 6 Col: 27

Figure 1



x=3.54 y=196.

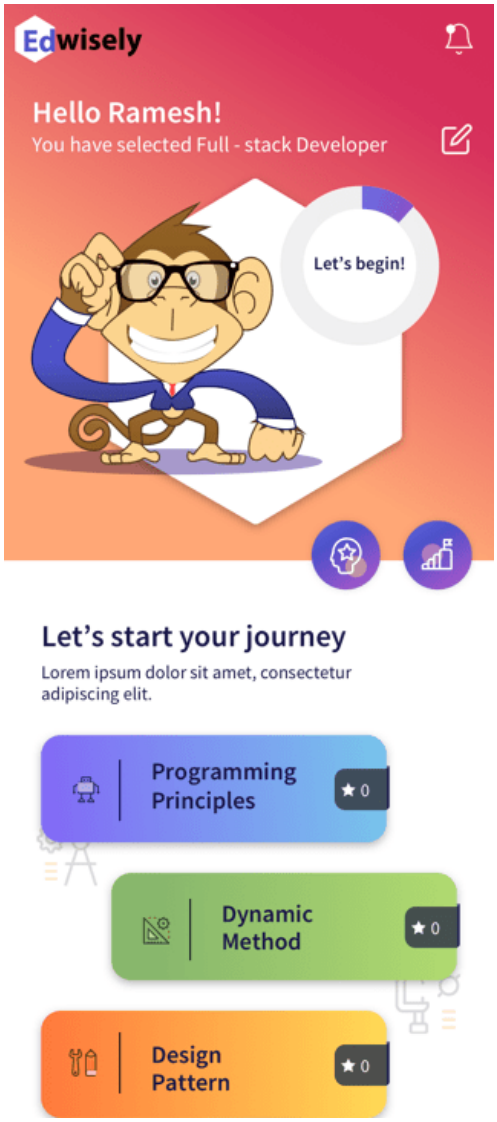
```
Enter the mass flow rate or press 1 :1

INPUT

Enter the pressure in MPa and temperature in °C

Enter in this format "p='pressure',t='temperature',x='dryness factor'"

enter the conditions at stage 1  in SI units
t=500 p=2
enter the conditions at stage 2  in SI units

enter the conditions at stage 3  in SI units
p=0.01
enter the conditions at stage 4  in SI units


State whether the problem is Actual or IDEAL Rankine cycle

If it is an Ideal process press 1 or press 0 :0

Enter the isentropic value of turbine:0.85

Enter the isentropic value of pump:0.90

OUTPUT

At stage 1 :

Temperature is = 500.00 °C
Pressure is = 2.00 MPa
Enthalpy is = 3468.09 KJ/KG
Entory is = 7.43 KJ/KG-K

At stage 2 :

Temperature is = 45.81 °C
Pressure is = 0.01 MPa
Enthalpy is = 2355.70 KJ/KG
Entory is = 7.43 KJ/KG-K
```

A mobile App, namely "EdWisely"

Goal: To facilitate paperless exam (Mobile Application -Edwisely) for students to evaluate their skill set.

Significance: Online materials for each topic wise and unit wise are posted in the Edwisely mobile app for easy access of students. MCQ test also conducted through the same platform.

Beneficiary: Students can able to self-learn through this app ate any time. Discussion section is also available in application.Students can self asses their knowledge level..The Screen shot of Edwisely app and analysis are given in the below figure.



Formative Assessment for Gap Analysis

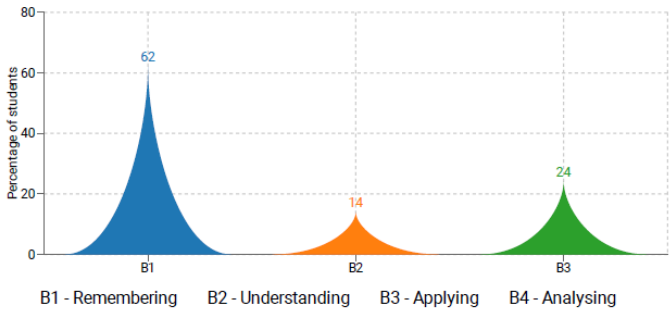
Name : Engineering thermodynamics MCQ unit test 1
Description : Attend all the questions.
Date : 27/Oct/2020
Sent to : 32 students
Duration : 60 min

Mr Gopinath S
Assistant Professor
MEC

Topic wise analytics

Topic Name	No of Questions	Performance of Students
Definition of Energy in thermodynamics	1	31.03%
Definition of Systems in thermodynamics	1	37.93%
Energy and processes in thermodynamics	4	24.14%
Second-law of thermodynamics	1	27.59%
First-Law of Thermodynamics	5	39.31%
Reversible processes	3	31.03%
Types of systems in thermodynamics	1	27.59%

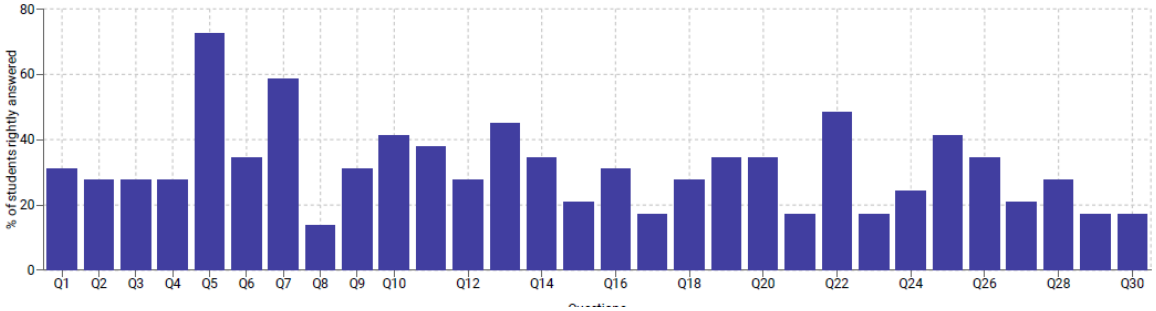
Blooms Analysis



Top 5 Performers

Roll No	Name	Blooms Level	% Rightly Answered
111619114023	MUMMADI SUDHEER	B3	86
111619114030	THULASIRAM R	B3	80
111619114008	GURU PRASAATH R R	B3	76
111619114020	MATHESH T A	B2	70
111619114028	SUKUMARAN R	B2	60

Question wise Analysis



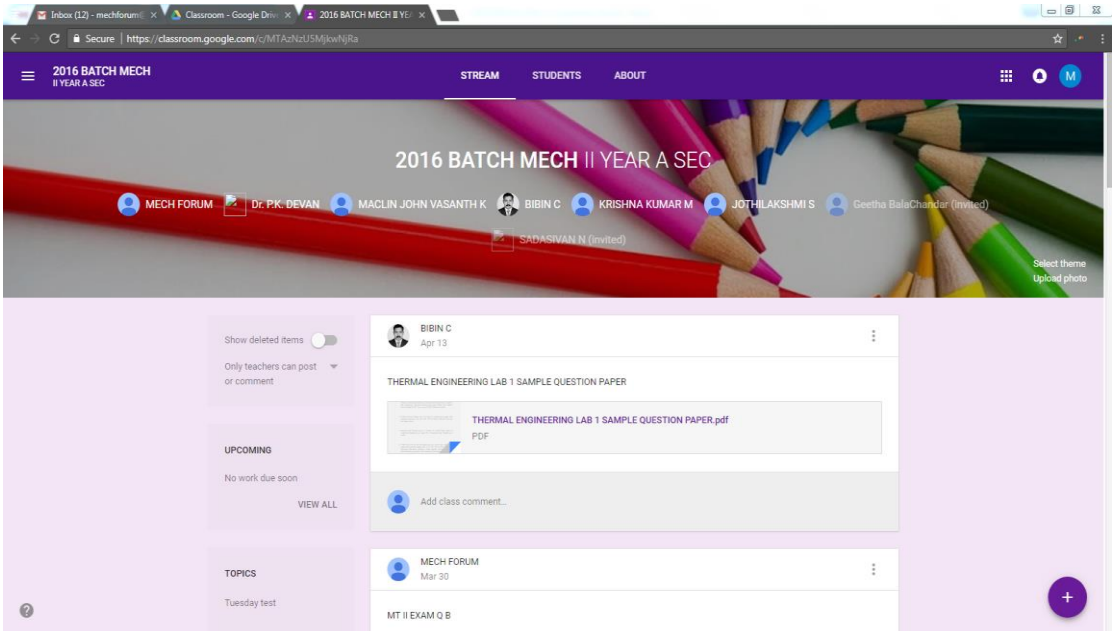
Students Result

Roll No:	Name	Blooms Level	% rightly answered
111619114023	MUMMADI SUDHEER	B3	86
111619114030	THULASIRAM R	B3	80
111619114008	GURU PRASAATH R R	B3	76
111619114020	MATHESH T A	B2	70
111619114028	SUKUMARAN R	B2	60
111619114025	PREETHAM A B	B1	53
111619114033	YUGESH M	B2	53
111619114018	LOGESH P	B1	43

Goal: To facilitate paperless communication between teachers and students and streamline educational workflow.

Significance: Google class room facilitates to post assignments, notes and study materials online so that teachers can monitor the progress of each student and return the work with comments for the improvement.

Beneficiary: Extensive communication and data/study material exchange happen among all the students of the branch. Course materials, previous year question papers, assignments, solution to assignments, etc are posted in the Google classroom for the benefit of the students. The Screen shot of Google class room are given in the below figure



Google Class Room

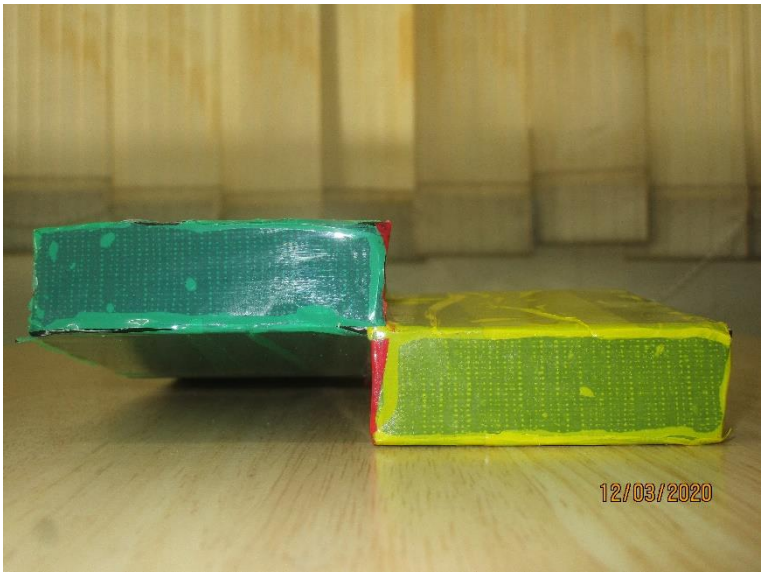
Learning through Working Models

Visualization of concepts through models makes better learning. The below mentioned Figure presents the models used for concept demonstration during lecture.

Demonstration Models for Class Room Instruction

CREEP TEST

SCREW DISLOCATION



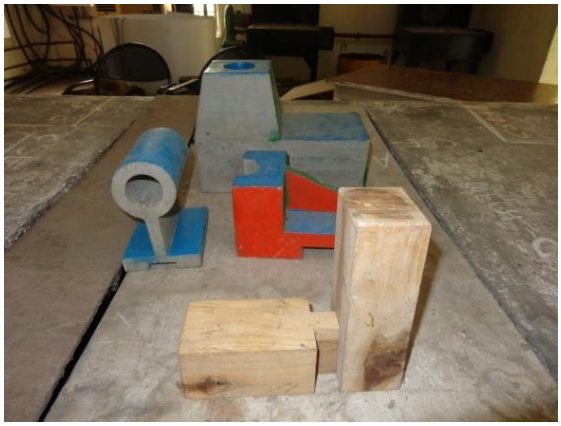
ROLLERS (I SECTION)

(Rolling of Structural Parts)

ROLLERS (I SECTION)

(Rolling of Structural Parts)

Solid Models



Isometric Models

Solid Pattern

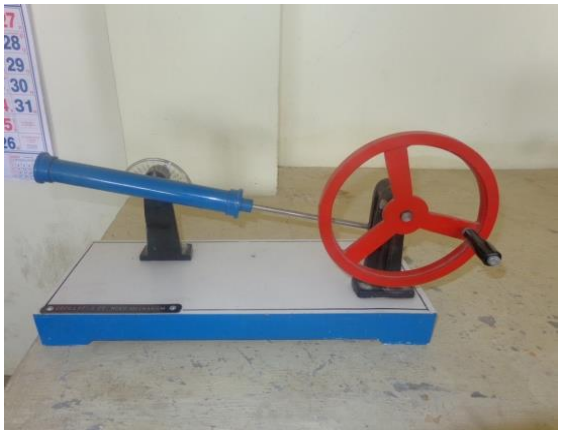
Split Pattern

Engineering Practices Lab Models

Model of Rollers in Rolling Mill

Manufacturing Lab Models

Double Slider Mechanism



Oscillating Cylinder Mechanism

Double Universal Joint

Worm Gear

Bevel Gear

Universal Joint

Two Stage Spur Gear

Helical Gear

Quick Return Mechanism

Crank shaft

Centrifugal Pump

Crank Slider Mechanism

Window Air conditioner

Truss Models

Models for Classroom Instructions