

## ACADEMIC YEAR 2022-2023

## ICT TOOLS FOR EFFECTIVE TEACHING LEARNING PROCESS



# DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2022-2023







### DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2022-20223

#### **ICT TOOLS**

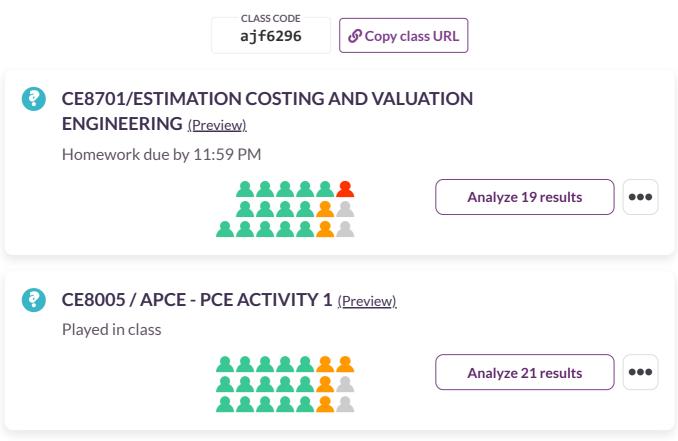


Quizalize Games

Try it now



#### **Activities for My first class**



+ Assign new activity

Create new Quiz





#### **CE8701/ESTIMATION COSTING AND VALUATION ENGINEERING**

Quiz by Arun Kannan

**■** In Your Library

#### Feel free to use or edit a copy ?

includes Teacher and Student dashboards

#### Measure skills from any curriculum

Tag the questions with any skills you have. Your dashboard will track each student's mastery of each skill.

Make private



**Quick Look** 

15 Questions & Answers

#### 15 questions

Show answers

1		30 sec
<b>Q.</b> 1 unit =	cft	
10		



TUU

2

30 sec

Q. According to Indian Standards Institute, the actual size of modular bricks is

 $20 \text{ cm} \times 10 \text{ cm} \times 10 \text{ cm}$ 

 $23 \text{ cm} \times 11.5 \text{ cm} \times 7.5 \text{ cm}$ 

 $25 \text{ cm} \times 13 \text{ cm} \times 7.5 \text{ cm}$ 

 $19 \text{ cm} \times 9 \text{ cm} \times 9 \text{ cm}$ 

3

30 sec

**Q.** In long and short wall method of estimation, the length of long wall is the centre to centre distance between the walls and

Half breadth of wall on each side breadth of the wall on each side one fourth of wall on each side one third of wall on each side

4

30 sec

Q. According to ISI method of measurement, the order of the sequence is

Length, Height/Depth, Breadth

Height/Depth, Breadth, Length

Breadth, Length, Height/Depth

Length, Breadth, Height/Depth

5

30 sec

Q. The brickwork is not measured in cum in case of



DITCKWOLK III al CIICS Reinforced Brickwork Half brick wall 6 30 sec Q. The measurement is made in sqm in case of Hollow concrete block wall Cement concrete in foundation R.C.C. structure **Damp Proof Course** 7 30 sec Q. The measurement is not made in square meters in case of half bick wall D.P.C. (Damp proof course) R.C. Chhajja (Sunshades) Form works 8 30 sec **Q.** Pick up the correct statement from the following: Pointing is measured in sq.m All are correct Glazing is measured in sq.m Plastering is measured in sq.m 9 30 sec

**Q.** The most reliable estimate is



Detailed estillate	
Rough estimate	
Preliminary estimate	
Approximate estimate	
10	30 sec
Q. To make out an estimate for a work the following data are necessary	_
Drawing, Specification and	
Men	
Rate	
Material	
Labour	
11	30 sec
Q. In long wall-short wall method, the wall along the length of the room be the short wall.	is said to
False	
True	
12	30 sec
<b>Q.</b> Estimating is the technique of calculating the various quantities and i for controlling the expenditure during the execution of the work.	s needed
True	
False	
13	30 sec
O. In long wall-short wall method the length of the short wall generally	increases

q. In long wall-short wall method, the length of the short wall generally increases from earthwork to brickwork in the superstructure.



False True	
Q. Works like whitewashing and painting are measured in	30 sec
nos m cum sqm	
Q. The number of cement bags required for 2500 kg of cement is =	30 sec
50 25 100 250	

#### **Edit a copy**

to suit your class

#### Play as a student

to try out the game

Launches quiz player in a new tab with animation, sounds, and points

#### Give this quiz to

₩
GO PREMIUM!

as an interactive quiz	
as homework	
as an exam	
as a printed PDF	

OK, next





#### Who needs help

#### th CE8701/ESTIMATION COSTING AND VALUATION ENGINEERIN

15 Strong	3 Almost there	1 Needs help
S.DIVYA_05 view	S.ARUNPRASADe04	B.Agalya-01 view
N. Jayachandrariew	P.SATHYA -16 view	
M.ARUNKUMAR <u>:</u> 03	M.MONIKA_11/iew	
M.rubika view		
KURALARASAN <u>e</u> 09		
<b>Abirami</b> view		
R.MADHUMITHAw10		
S.SANTHOSH_15eW		
P.STALIN_17 view		
B.Agalya_01 view		
M.JAYASEELANi <u>@</u> 8		
S.ANBUMANI_0/2-W		
R.KARTHIKEYAN <u>\</u> 20		
J.PREMKUMAR <u>i</u> 42		
R.VIMAL_18 view		







File Potatoes Options Help



#### Hot Potatoes™ From Half-Baked Software Inc

Version 7





#### DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2022-2023 (EVEN SEM) CE8022 - PREFABRICATED STRUCTURES PCF ACTIVITY 2 - CROSSWORD

NAME :	· · · · · · · · · · · · · · · · · · ·
ROLL NO:	
YEAR/SEM:	
DATE:	

						PCE	ACTIV.	IIY 2	- CROS	SWORL	)				
1			2						3						4
		5											6		
			7												
					8						9				
							10								
															11
								,	12						
		13													
	14									15					
						16									
17					,										
												18			
						19									
				20											

#### Term used in construction industry to descbribe 1 Time saving is the first \_\_\_\_\_\_ of Prefabrication. 1 transporting & assembling structures in site. 2 A type of Prefabricated material A type of Prefabricated material 3 Used in Multi-storied buildings for Erection purposes 7 These are selected in multiples of basic module Coordination is the Concept of providing 4 Fundamental unit of size in modular coordination constant Dimension & Space 12 It is the sum of positive & negative Discrepancies of It can be done using cranes 5 dimensions Components will be numbered/ marked for \_\_\_\_\_ 13 9 This type of system are widely used in Prefabrication Assembling Slab, Beam & Column are called Prefabricated 10 It can be done using Trucks/Wagons. 16 \_ Construction is used for Large size 11 17 It is a system of Prefabrication Wall & Floor Panels If the components are manufactured at the construction 18 Type of Modular Grid 14 place, then it is called as \_\_\_\_\_ Prefabrication These type of concrete are used to reduce self-19 Between two Prefabricated components, it should be 15 provided

17

"M" is the representation of Basic

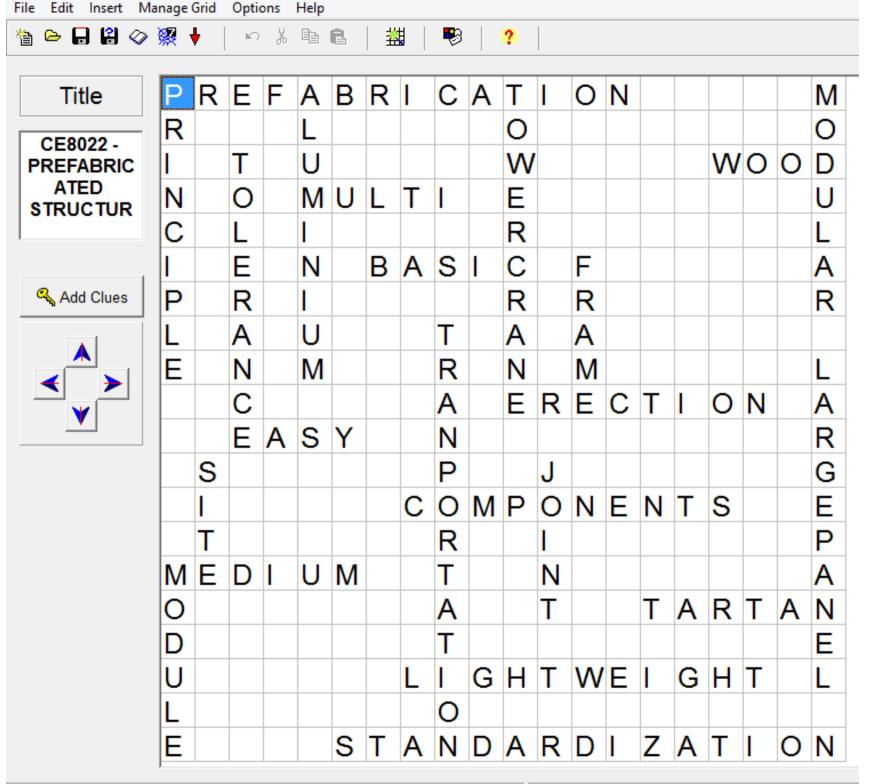
It is the process of repeated production of standard

Down:

Across:

20

sizes/dimensions.



#### CE8022 PFS - PCE ACTIVITY 1

Currently active for IV Year Civil (2022-23 EVEN SEM)

#### Classic Quiz

Students start and play independently

Who needs help

<u>Arunprasad</u>, <u>Jayachandran</u>, <u>Anbumani s</u> need help 4 are nearly there

12 are strong

Show me

What they need help with

Prefabricated building constructed inside the IIT Madras campus is made of

Show me

discuss the hardest question

#### Differentiation

You can now automatically give follow-up tasks that suit each different ability. Students first take the quiz, then based on their result, the right task is presented next.

Choose tasks

**Improvements** 

Rubika m improved the most, over multiple tries

On average, students are improving 9%

Show me

Results table

Average score: 73%

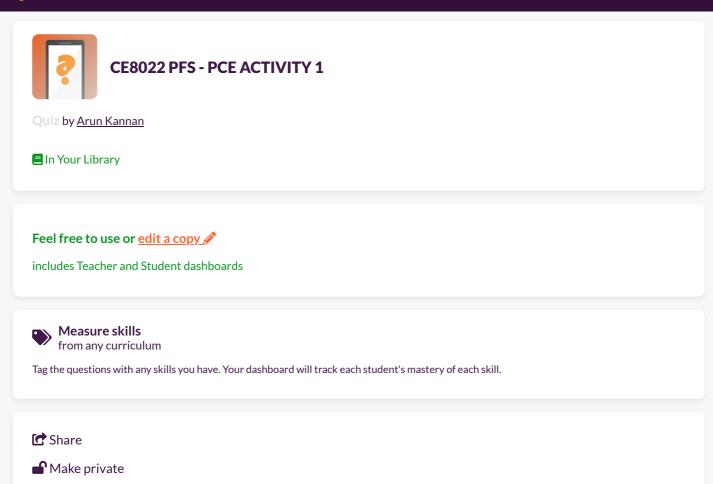
Jayaseelan, Kuralarasan and 17 others have finished the game

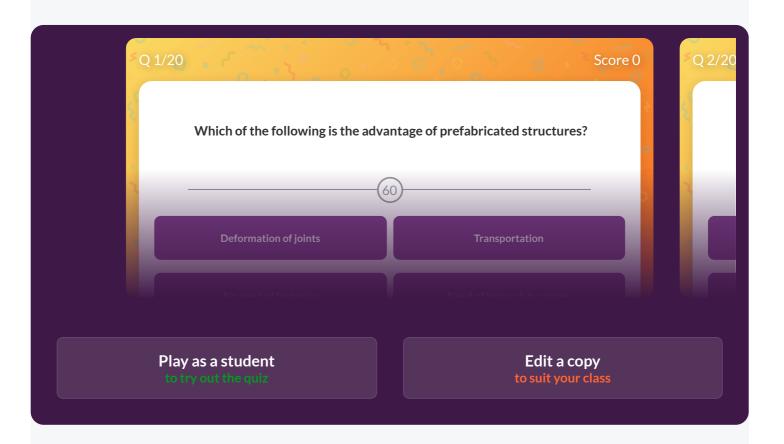
Show me

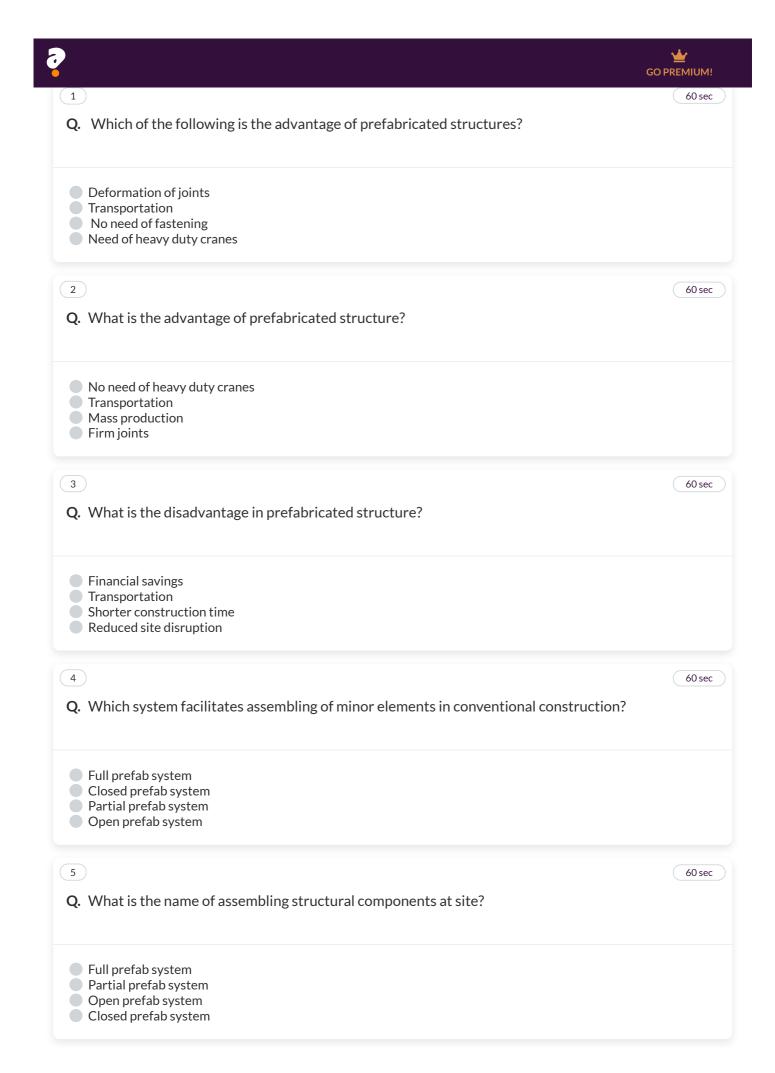


**m** Delete





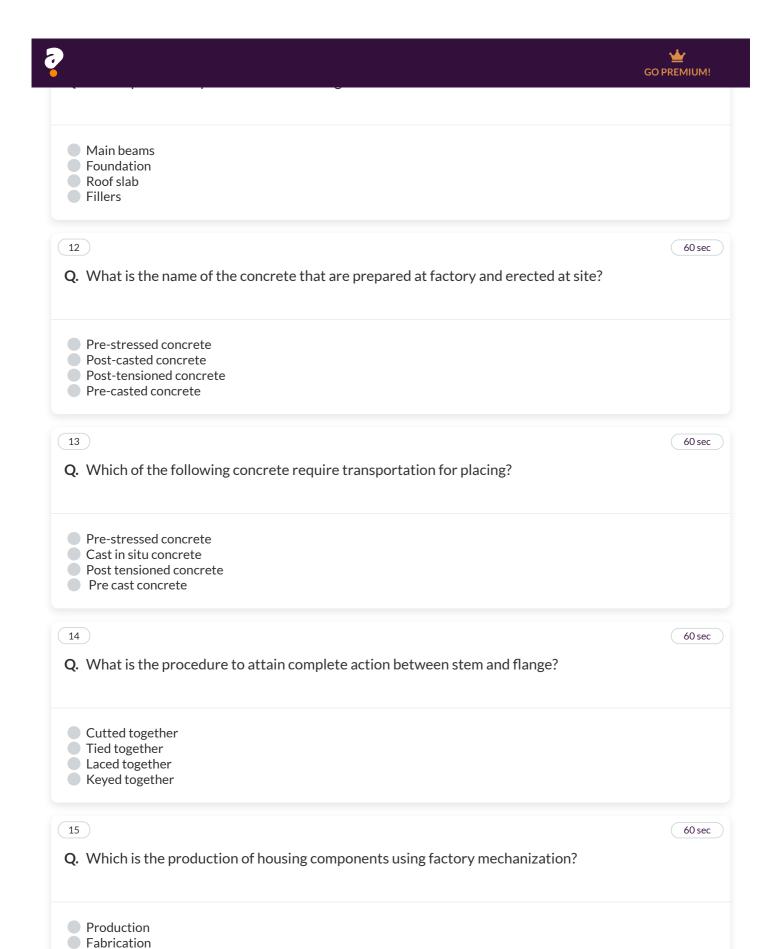




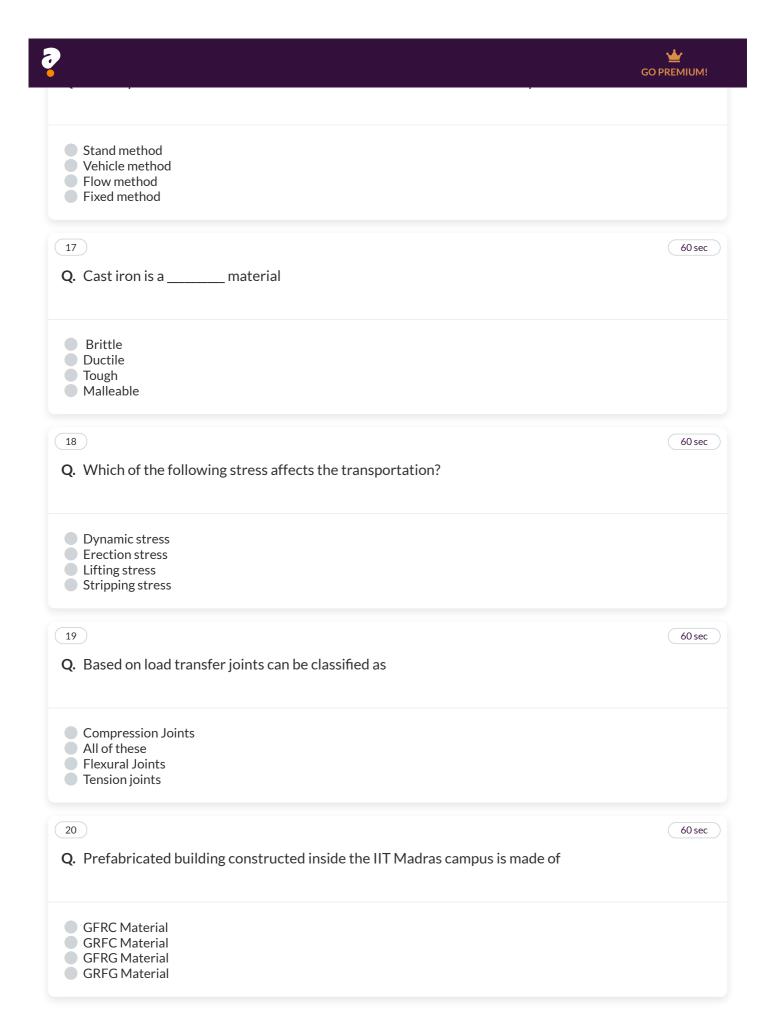




<ul> <li>IS 15915 - 2011</li> <li>IS 15914 - 2011</li> <li>IS 15913 - 2011</li> <li>IS 15916 - 2011</li> </ul>
Q. Which section provides one monotitic action between prefabricated units?
<ul><li>Steel</li><li>Tensile</li><li>Composite</li><li>Compression</li></ul>
Q. What is the first stage of prefabricated structure construction?  60 sec
<ul> <li>Procurement of raw materials</li> <li>Reinforcement preparation</li> <li>Concrete mix design</li> <li>Testing of raw materials</li> </ul>
9 60 sec Q. What is the another name for pre-fabricated structures?
<ul> <li>High structures</li> <li>Site fixing structures</li> <li>Pre-developed structures</li> <li>Modular structures</li> </ul>
Q. Which system is used with double tee slaps for precast beams and walls?
Framed structures Foundation Non load bearing Load bearing



ConstructionPrefabrication





#### **Results Table**

Average score: 73%

Attempt <sup>Stro</sup>	ongest Highest first /20		Prefabricated building	Which system facilitat	What is the first stage	Which of the following	What is the code used	Which prefabricated m	Which of the following	What is the advantage	What is the name of as	Which system is used v	Cast iron is a	Which section provide	Which part of the prefa	What is the another na	What is the name of th	What is the procedure	Which is the productio	What is the disadvanta	Which of the following
Со	mpleted																				
Attempt #2	<b>Madhumitha</b> view	19/20	~	~	~	~	~	~	~	~	~	×	~	~	~	~	~	~	~	~	~
Attempt #2	Rengeswari.R/iew	19/20	~	~	~	~	×	~	~	~	~	~	~	~	~	~	~	~	~	~	<b>~</b>
Attempt #1	Agalya view	22/24	×	~	~	~	~	~	~	~	×	~	~	~	~	~	~	~	~	~	<b>~</b>
Attempt #1	Kuralarasan view	18/20	×	~	×	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
Attempt #1	Stalin p view	18/20	×	~	×	~	~	~	~	~	~	~	~	~	~	~	~	~	~	<b>~</b>	~
Attempt #1	Janani view	18/20	~	~	~	~	~	~	~	×	~	~	~	~	~	~	~	~	~	×	~
Attempt #1	Premkumar view	18/20	×	~	×	~	~	~	~	~	~	~	~	~	~	~	~	~	~	<b>~</b>	~
Attempt #1	Sathya.p view	17/20	×	<b>~</b>	~	×	~	~	<b>~</b>	~	~	~	×	~	~	~	~	~	<b>~</b>	<b>~</b>	<b>~</b>
Attempt #1	Santhosh S view	17/20	~	~	×	~	~	~	×	×	~	~	~	~	~	~	~	~	~	<b>~</b>	~
Attempt #2	Karthikeyan <b>R</b> iew	17/20	×	<b>~</b>	~	~	~	~	×	×	~	~	~	~	~	~	~	~	<b>~</b>	<b>~</b>	<b>~</b>
Attempt #1	Jayaseelan view	16/20	~	<b>~</b>	×	×	×	×	~	~	<b>~</b>	~	~	~	~	~	~	~	<b>~</b>	~	~
Attempt #1	ABIRAMI view	16/20	×	×	<b>~</b>	×	~	×	~	~	<b>~</b>	~	~	~	<b>~</b>	<b>~</b>	~	~	<b>~</b>	~	~





#### Who needs help with CE8022 PFS - PCE ACTIVITY 1

1	$\mathcal{I}$	C	+	<sub>1</sub>	_	ь	~
т.	_	J	L	L	U	Ш	g

#### 4 Almost there 3 Needs help

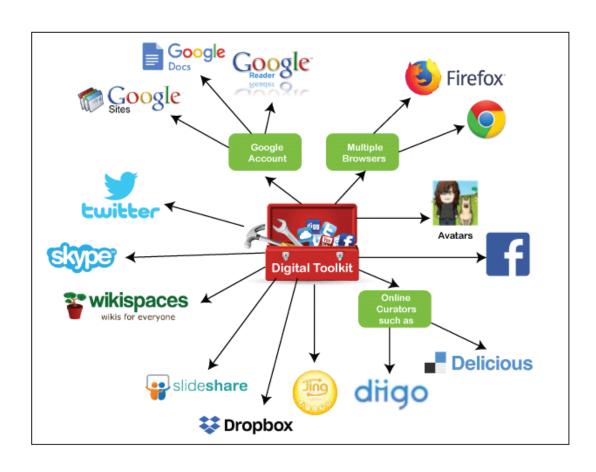
Stalin p	view	Rubika m	view	Arunprasad	view
Premkumar	view	Rengeswari	view	Jayachandran	view
Madhumitha	view	Vimal	view	Anbumani s	view
Karthikeyan R	view	Daniel navis	view		
Rengeswari.R	view				
Kuralarasan	view				
Jayaseelan	view				
Sathya.p	view				
Janani	view				
ABIRAMI	view				
Santhosh S	view				
Agalya	view				



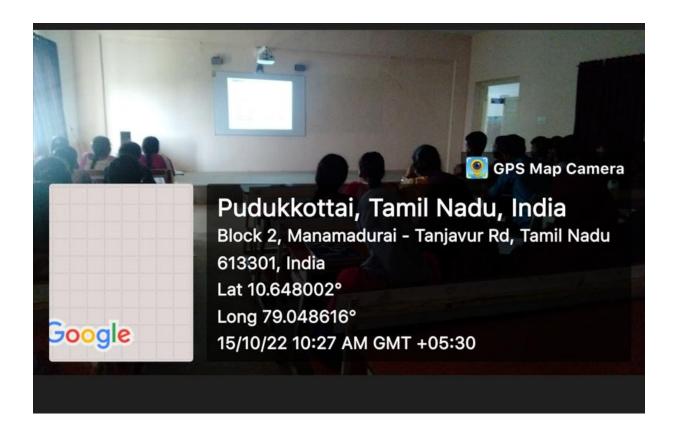
#### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

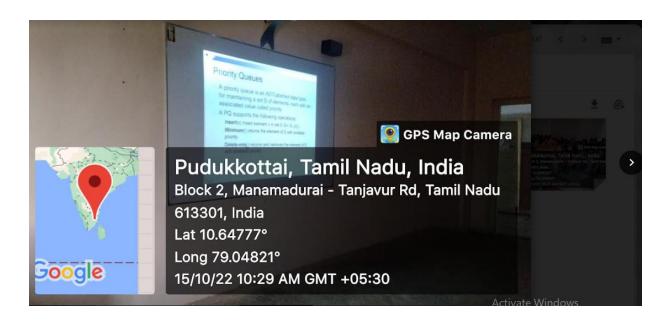
#### **ACADEMIC YEAR 2022 - 2023**

#### **ICT Tools**

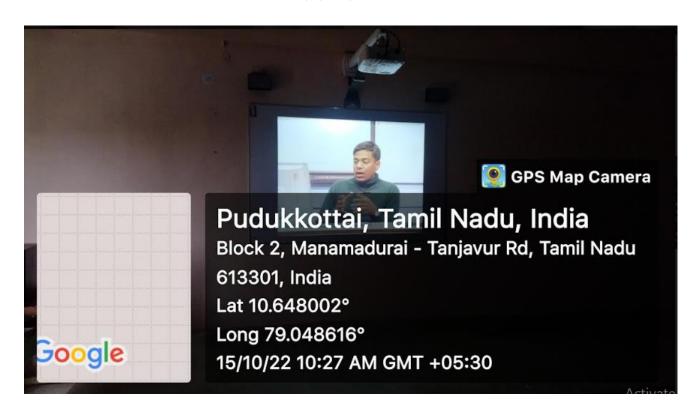


#### **VIRTUAL LAB SESSIONS**



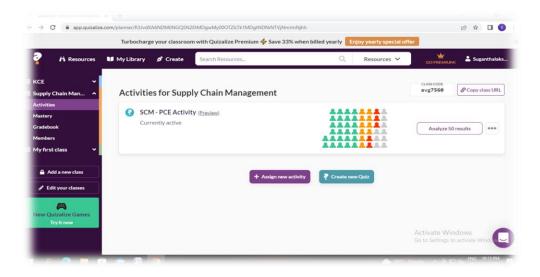


#### **NPTEL SESSIONS**



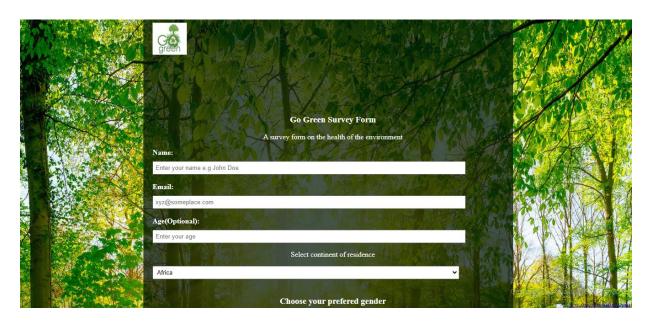


#### Quizalize



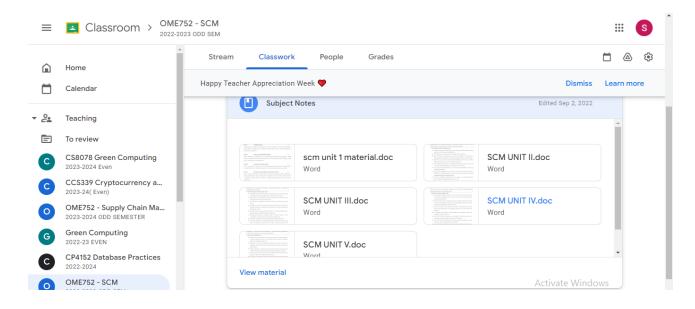


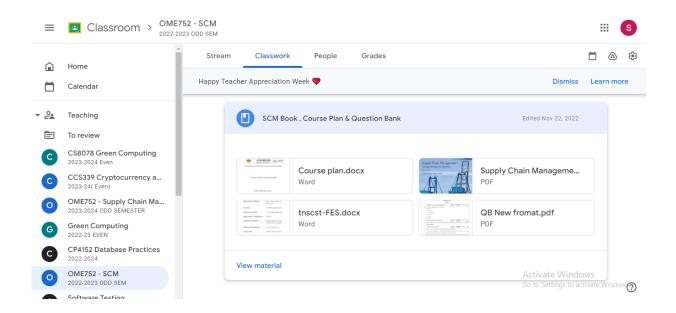
#### **GREEN COMPUTING**





#### **GOOGLE CLASSROOM**







## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2022-23 ICT TOOLS FOR EFFECTIVE TEACHING

Tool : Google Classroom

Subject : EE8701 – High Voltage Engineering

Batch : 2019-23

Year : IV

Semester : VII

Class Strength : 09

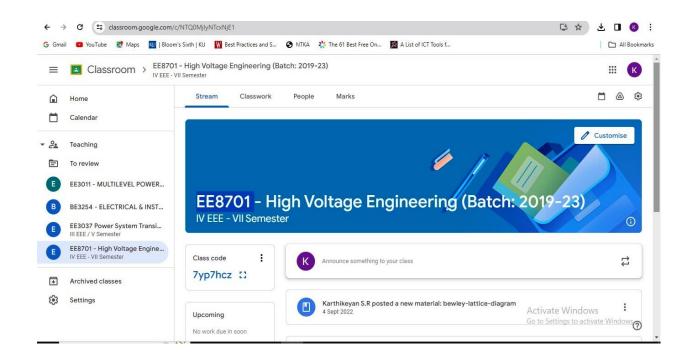
Academic Year : 2022- 2023

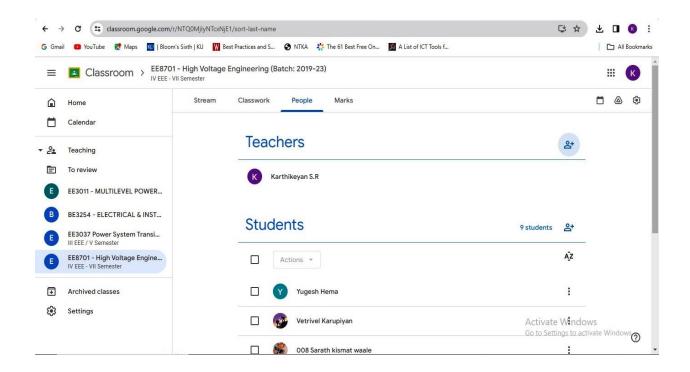
Department : EEE

Name of the Faculty : Mr.S.R.Karthikeyan, AP/EEE

Invitation link :

https://classroom.google.com/c/NTQ0MjIyNTcxNjE1?cjc=7yp7hcz





Tool: Virtual Laboratory

Subject: Real Time Embedded Systems





#### **REAL TIME EMBEDDED SYSTEMS**

Virtual labs Home > Real Time Embedded Systems

#### Welcome to Real Time Embedded Systems!







INTRODUCTION LIST OF EXPERIMENTS

PEOPLE

#### Introduction

Real time embedded systems (RTES) are microprocessors, micro-controllers or DSP based embedded systems which not only deliver correct results but also deliver immediately when these results are recorded. That's why it is called 'real time'. RTES are not general programmable computer, but are highly efficient, fast and reliable computing systems that are mainly used in medical, aeronautical and military applications. In this laboratory, we will be exploring different aspects and features of RTES through some simulation experiments.

Activat

#### Welcome to Real Time Embedded Systems!



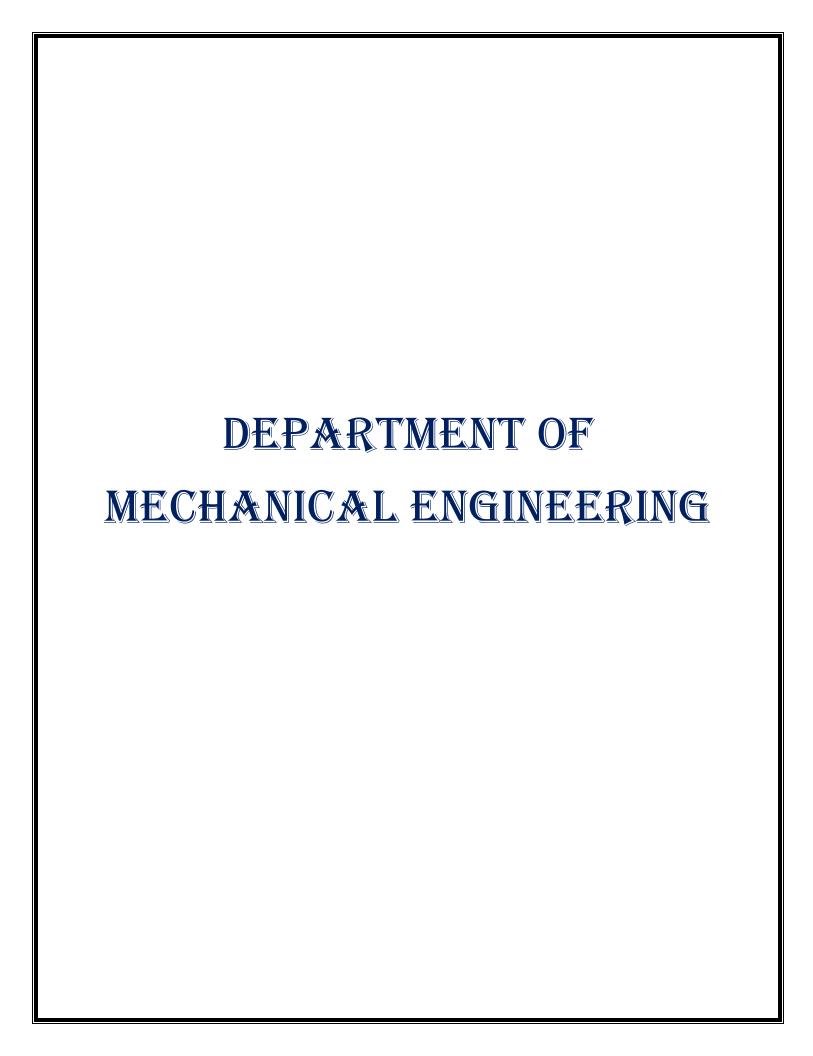




#### List of experiments

- DF-Part1: Digital FIR filter design and simulation
- DF-Part2: Fixed point Implementation of Digital FIR Filter
- DF-Part3: MCU-DAC interfacing and generation of ramp wave
- DF-Part4: Interfacing of ADC and data trasnfer by software polling, study of aliasing
- . DF-Part5: ADC triggering through timer(On Chip Timer)
- DF-Part6: Interrupt driven data transfer from ADC
- DF-Part7 Implementation of Digital FIR Filter on 8051 Microcontroller
- <u>SM-Part1: LCD MCU interfacing and displaying a string</u>
- SM-Part2 Keyboard-MCU interfacing take a input from keypad and display on LCD
- SM-Part3: Stepper Motor Control Using ATMEGA-16 Microcontroller
- HN-Part1: Interface a LED matrix and display a number on the matrix.
- HN-Part2: Interfacing 4x4 switch matrix with the microcontroller
- · HN-Part3: Implementation of Hopfield network in C to recognize a simple ASCII character.
- HN-Part4: Implementation of Hopfield Network on ATMEGA-16 microcontroller
- SC: Serial Communication between micro controller and PC
- TC: Temperature control using ATmega16

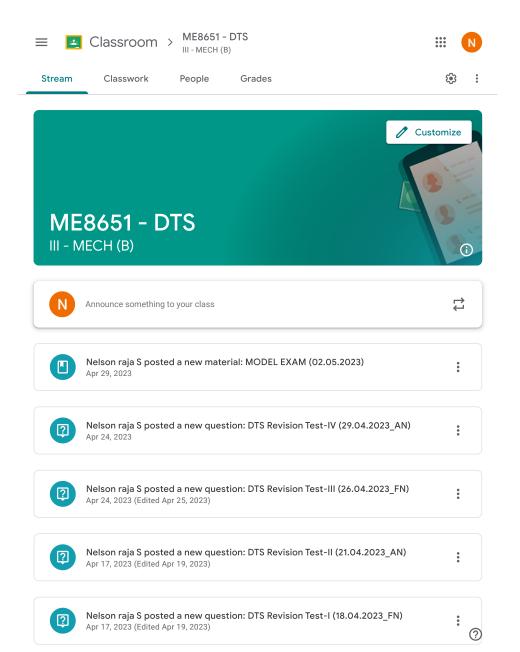
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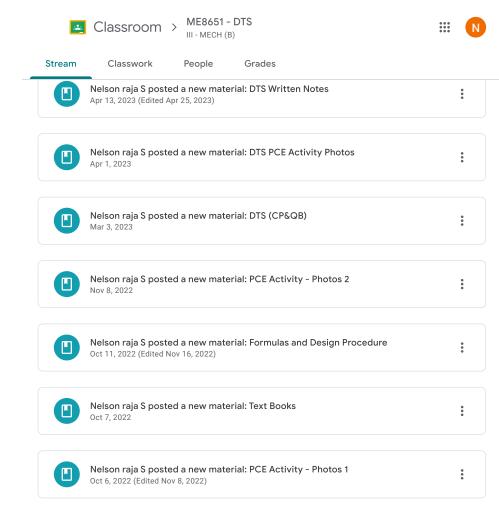


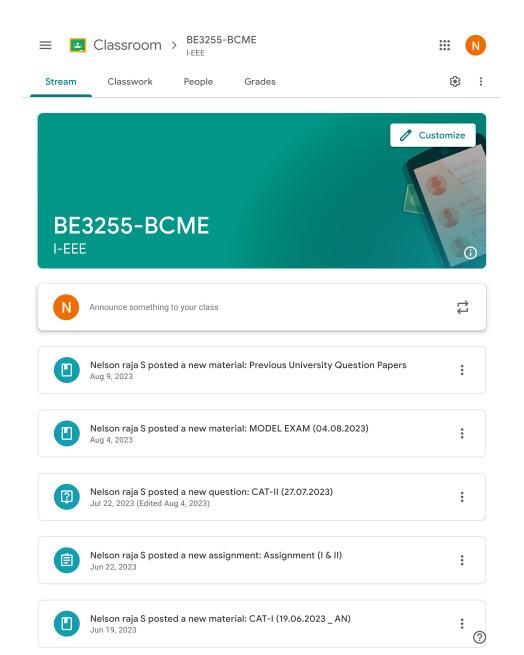
## **ACADEMIC YEAR**2022-2023

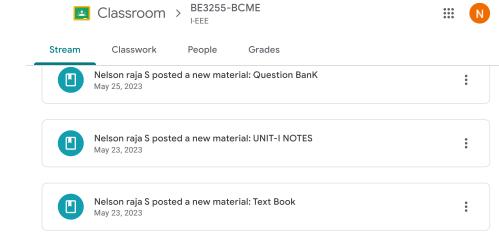
## ICT TOOLS FOR EFFECTIVE TEACHING LEARNING PROCESS











#### DME Content Beyond Syllabus Session-31.10.2022 ME8593-Design of Machine Elements

dicates required question		
Email *		
Student Name *		
Register Number *		
Roll Number *		
Year/Section *		
E-Mail Id*		
4. The product of the diametral pitch and circular pitch is equal to *  Mark only one oval.		4 points
a) 1 b) 1/π c) π d) π × No. of teeth		
5. The backlash for spur gears depends  Mark only one oval.  a) module b) pitch line velocity c) tooth profile d) both (a) and (b)	upon*	4 points
	Student Name *  Register Number *  Roll Number *  Year/Section *  E-Mail Id *  4. The product of the diametral pitch and Mark only one oval.  a) 1 b) 1/π c) π d) π × No. of teeth  5. The backlash for spur gears depends the Mark only one oval.  a) module b) pitch line velocity c) tooth profile	Email *  Student Name *  Register Number *  Roll Number *  Year/Section *  E-Mail Id *  4. The product of the diametral pitch and circular pitch is equal to *  Mark only one oval.  a) 1 b) 1/π c) π d) π × No. of teeth  5. The backlash for spur gears depends upon *  Mark only one oval.  a) module b) pitch line velocity c) tooth profile

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7.	Mobile Number *	
8.	<ol> <li>The size of gear is usually specified by *</li> </ol>	4 points
	Mark only one oval.	
	a) pressure angle	
	b) pitch circle diameter	
	c) circular pitch	
	d) diametral pitch	
9.	2. In a rack and pinion arrangement, the rack has teeth of	* 4 points
	shape	
	Mark only one oval.	
	a) square	
	b) trepazoidal	
	c) oval	
	d) circular	
10.	3. The radial distance from the to the clearance circle	* 4 points
	is called working depth.	
	Mark only one oval.	
	a) addendum circle	
	b) dedendum circle	
	c) pitch circle	
	d) none of the mentioned	

#### DME NPTEL SESSION -02.11.2022

	ME8593-Design of Machine Elements		
* In	dicates required question		
1.	Email *		
2.	Student Name *		
3.	Register Number *		
4.	Roll Number *		
5.	Year / Section *		
6.	E-Mail Id*		
7.	Mobile Number *		
11.	Partial bearing is preferred over journa	ıl bearing.	4 points
	Mark only one oval.	•	
	a) True		
	b) No		
	c) More friction losses		
	d) Can't be determined		
12.	5. Temperature rise in partial bearing is _	than full bearing.	4 points
	Mark only one oval.		
	a) Lesser		
	b) Greater		
	c) Equal d) Undeterminable		

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8.	Thick film lubrication describes a phenomenon where two surfaces are separated.	* 4 poi
	Mark only one oval.	
	a) Completely	
	b) Partially	
	c) Not	
	d) None of the mentioned	
9.	2. Hydrodynamic bearing is a self-acting bearing. *	4 poi
	Mark only one oval.	
	a) True	
	( b) False	
10.		* 4 poi
	hydrodynamic lubrication and which supports load in direction.	
	Mark only one oval.	
	a) Sliding, Axial	
	b) Rolling, Radial c) Sliding, Radial	
	d) Rolling, Axial	
	sy rounning, round	

## Blooket

**Q** Search your sets...





- Discover
- My Sets
- **†** Favorites
- History
- Homework
- Play
- Settings



**NPTEL Session on** "Intermetallics, Composites, Matrix and Reinforcement"

94 Plays

Edited 4 months ago









**Assign** 





**Content Beyond** Syllabus Session on "Learning of Mechanical Links"

50 Plays

Edited 4 months ago











#### Blooket

#### **Create**

- Discover
- My Sets
- **†** Favorites
- History
- Homework
- Play
- Settings

#### History

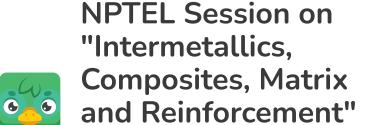






(Line 12/19/23) 12:31 pm, 12/19/23







(10:10 am, 12/16/23)









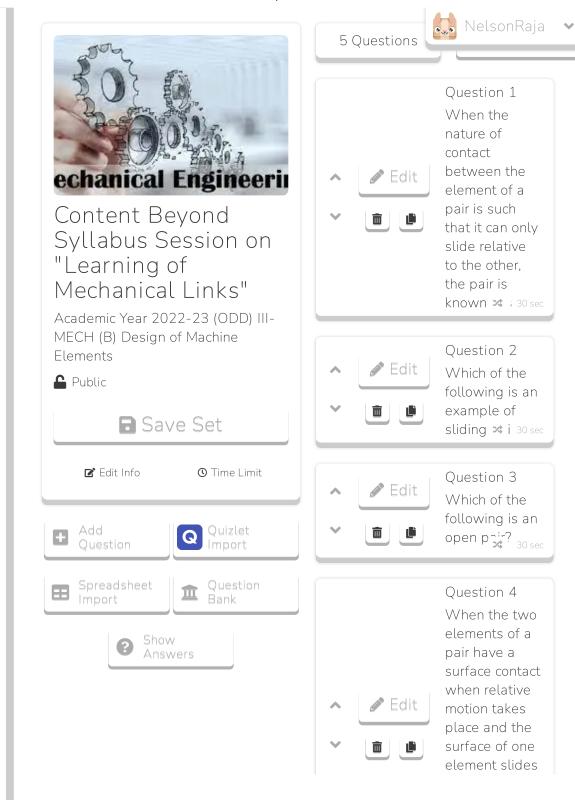




4/2/24, 10:27 AM Edit a Set | Blooket

#### Blooket

- **Create**
- Discover
- **Ⅲ** My Sets
- ★ Favorites
- 3 History
- Homework
- Play
- Settings









- Discover
- **!=** My Sets
- **★** Favorites
- History
- **Homework**
- Play
- Settings









**→** Upgrade to Plus