

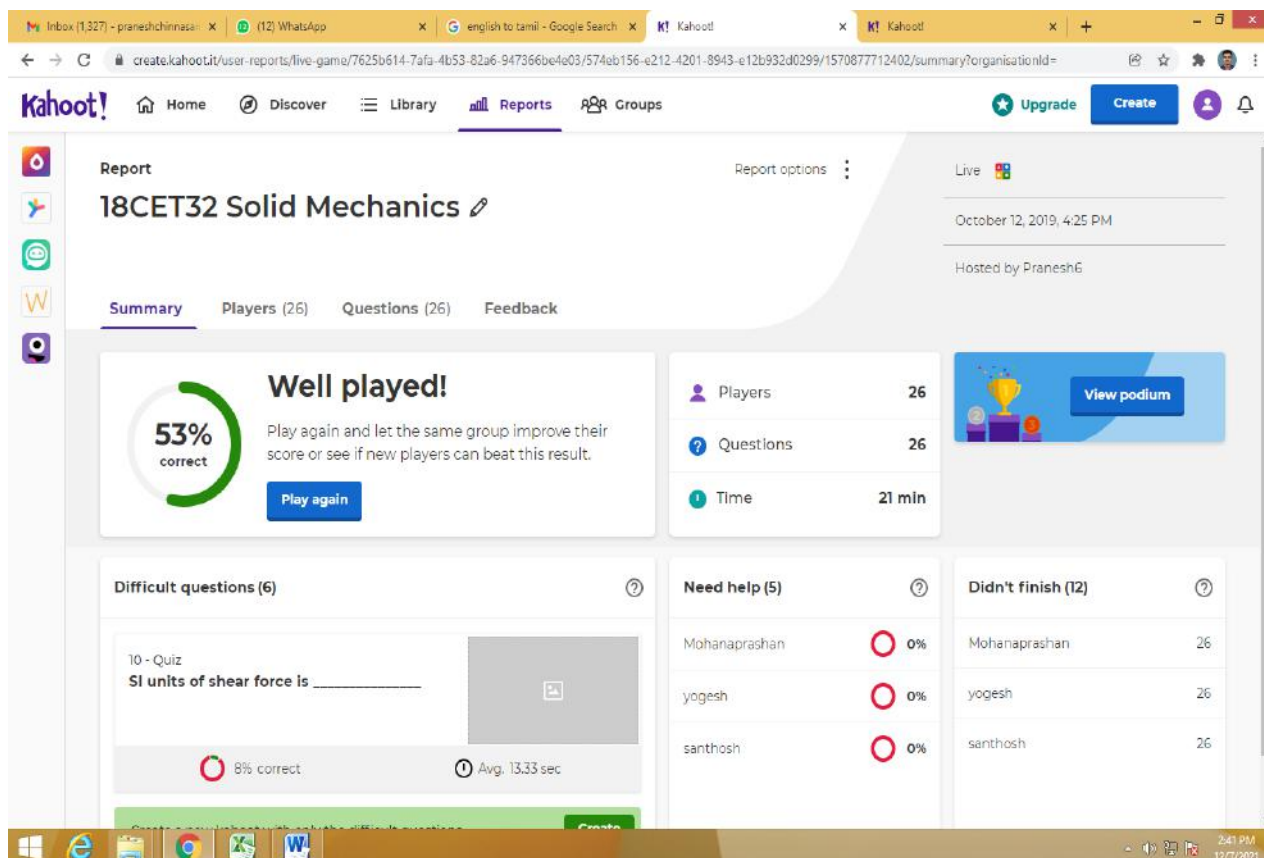
VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY ERODE.

DEPARTMENT OF CIVIL ENGINEERING

**INNOVATIVE PRACTICES**

Name of the Faculty:	PRANESH C
Class:	18CE3
Subject Code & Name:	18CET32 SOLID MECHANICS
Total Strength:	33
Name of the Innovative Method:	Online Quiz- Learning based game

INNOVATIVE PRACTICE: Online Quiz- Learning based game



An activity based quiz has been conducted for the 18CET32- Solid Mechanics through Online platform students of second year were actively participated.

Kahoot! Report for 18CET32 Solid Mechanics

Summary Players (26) Questions (26) Feedback

Nickname	Rank	Correct answers	Unanswered	Final score
JEEVITHA R	1	85%	—	23 188
DHARANI V N	2	85%	—	23 079
suvetha s	3	81%	—	22 210
C.Sowmitha	4	81%	—	21 974
MATHESH.R	5	73%	1	20 435
DHIVYA ASHOK	6	77%	1	19 235
viveka	7	73%	—	19 199
B.Mohan	8	73%	1	18 176



Kahoot! is a game-based learning platform, used as educational technology as a break from traditional classroom activities. Its learning games are user-generated multiple-choice quizzes that can be accessed via a web browser. Kahoot! can be used to review students' knowledge, for formative assessment.

Kahoot! interface showing quiz results for a stress-strain curve quiz.

**Question 6:** The point on the stress strain curve of mild steel occurs after the ultimate point is \_\_\_\_

**Stress-Strain Curve Diagram:** A graph showing Stress on the y-axis and Strain on the x-axis. The curve starts at the origin (O), rises linearly to point A, then curves to point B (the ultimate point), and finally curves downwards to point C.

Option	Correct/Incorrect	Count
<input type="radio"/> Last point	Incorrect	0
<input checked="" type="radio"/> Breaking point	Correct	9
<input type="radio"/> Elastic limit	Incorrect	11
<input type="radio"/> Material limit	Incorrect	1
<input type="radio"/> No answer	Incorrect	5

**Question 7:** What is the point P shown on the stress strain curve?

**Stress-Strain Curve Diagram:** A graph showing stress on the y-axis and strain on the x-axis. The curve starts at the origin, rises linearly to point P, then curves to a peak, and finally curves downwards.

Option	Correct/Incorrect	Count
<input type="radio"/> Upper yield point	Incorrect	3
<input type="radio"/> Yield plateau	Incorrect	0
<input type="radio"/> Elastic limit	Incorrect	4
<input checked="" type="radio"/> Ultimate point	Correct	14
<input type="radio"/> No answer	Incorrect	5

**Question 8:** Point, where the total volume of the body is assumed to be concentrated is \_\_\_\_

Option	Correct/Incorrect	Count
<input type="radio"/> Center of area	Incorrect	2
<input checked="" type="radio"/> Centroid	Correct	14

**Question 1:** Father of Indian civil engineering

**Question 2:** Given below diagram is \_\_\_\_ load.

**Question 3:** The dimension of strain is?

**Question 4:** Find the strain of a brass rod of length 250mm which is subjected to the extension of 25mm

**Question 5:** The unit of force in S.I. units is?

**Question 6:** The point on the stress strain curve of mild steel occurs after the ultimate point is \_\_\_\_

**Question 7:** What is the point P shown on the stress strain curve?

**Question 8:** Point, where the total volume of the body is assumed to be concentrated is \_\_\_\_

**Question 9:** A beam which extends beyond its supports can be termed as \_\_\_\_

**Question 10:** SI units of shear force is \_\_\_\_

**Question 11:** Units of deflection are \_\_\_\_

**Question 12:** The property by which a body returns to its original shape after removal of the force is called

**Question 13:** In cantilever beams, the deflection is zero at \_\_\_\_

**Question 14:** In simply supported beams, deflection is zero at \_\_\_\_

This activity helps the motivates and activates students' learning and it can test their knowledge, reiterate important concepts, and help them retain information. It also provides instructors with the ability to further create class discussion and student-to- student interaction.