2.3.2 ICT ENABLED TOOLS FOR EFFECTIVE TEACHING-LEARNING PROCESS

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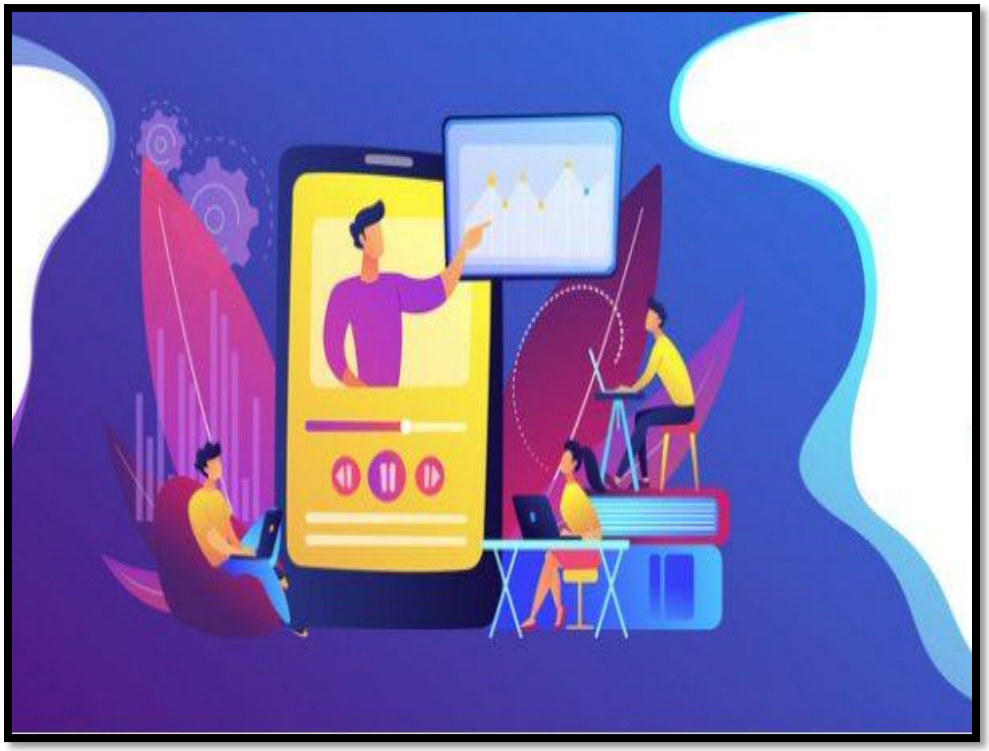

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ICT TOOLS

Google Classroom

NPTEL

Hot Potatoes™
From Half-Baked Software Inc

JCloze
JMatch
JQuiz
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Virtual Labs

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2 Jun

BHUVANESWARI T posted a new assignment: Model Exam 2
24 May

BHUVANESWARI T posted a new assignment: Model Examination
12 May (Edited 14 May)

BHUVANESWARI T posted a new assignment: Revision test 4
12 May

BHUVANESWARI T posted a new assignment: Revision test 3
10 May

BHUVANESWARI T posted a new assignment: Revision test 2

III/CE 8602/SA II (2018 - 2022)

Stream Classwork People Marks

BHUVANESWARI T posted a new assignment: Cat 2 assignment for absentees a...
27 Apr

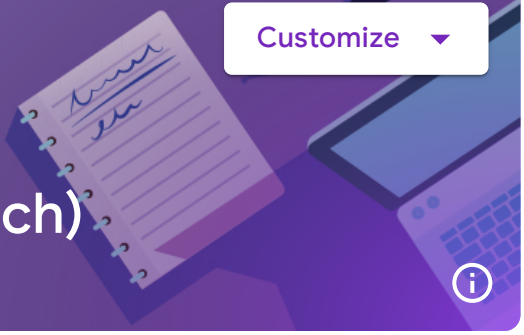
BHUVANESWARI T posted a new assignment: CAT 2 EXAM
21 Apr (Edited 24 Apr)

BHUVANESWARI T posted a new assignment: Assignment 2 PCE
10 Apr (Edited 24 Apr)

BHUVANESWARI T posted a new assignment: ASSIGNMENT 1 SA II
24 Mar (Edited 28 Mar)

CE8301 SOM I (2019-2023 Batch)
II Year Civil

Stream Classwork People Grades



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Arun Kannan posted a new assignment: Revision Class (07.01.2021)
Jan 7

Arun Kannan posted a new assignment: Revision class (12.11.2020)
Nov 12, 2020

Arun Kannan posted a new assignment: Revision Class (12.11.2020)
Nov 11, 2020

Arun Kannan posted a new assignment: Revision class (10.11.2020)
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Arun Kannan posted a new assignment: Revision Class (07.11.2020)
Nov 7, 2020

Arun Kannan posted a new assignment: Revision Class (30.10.2020)
Oct 30, 2020

CE8301 SOM I (2019-2023 Batch)
II Year Civil

Stream Classwork People Grades

Oct 15, 2020 (Edited Oct 18, 2020)

Arun Kannan
Oct 12, 2020
Unit 5 Formulas

CE8301 - SOM I UNIT 5.p...

Add class comment...

Arun Kannan
Oct 12, 2020
Unit 4 Solved Problems

CE8301 SOM I - Unit 4 S...

Add class comment...

Arun Kannan
Oct 5, 2020
Unit 4 Formulas

Drive file

Add class comment...

Arun Kannan
Oct 5, 2020
Unit 3 Solved Problems

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II Year Civil

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Arun Kannan
Oct 5, 2020

UNIT 3 Formulas

CE8301 - SOM I UNIT 3.p...

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Arun Kannan posted a new assignment: CAT II - PART B & C (Descriptive type)
Sep 24, 2020 (Edited Sep 30, 2020)

Arun Kannan posted a new assignment: PCE Activity - 2 CROSSWORD
Sep 17, 2020 (Edited Sep 21, 2020)

Arun Kannan
Sep 14, 2020

Unit 2 - Theory of Simple bending

Drive file

Add class comment...

Arun Kannan
Sep 14, 2020

Shear Force & Bending Moment Diagrams

SFD & BMD.jpg

1 class comment

RubiKa_ Rubi Sep 14, 2020

CE8301 SOM I (2019-2023 Batch)

II Year Civil

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Arun Kannan
Sep 14, 2020

Unit 1 - Plane Stresses Formula

Plane stresses Formula....

1 class comment

RubiKa_ Rubi Sep 14, 2020
Ok sir

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Arun Kannan
Sep 14, 2020

SOM I QB

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Arun Kannan
Sep 12, 2020

Unit 2 Solved Problems

CE8301 SOM I - Unit 2 S...

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Arun Kannan
Sep 12, 2020

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Sep 12, 2020
Unit 1 Solved Problems

Drive file

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Sep 12, 2020
Unit 1 PPT Material

CE8301 - SOM I UNIT 1 P...

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Arun Kannan posted a new assignment: Assignment I
Sep 12, 2020 (Edited Sep 21, 2020)

Arun Kannan posted a new assignment: PCE - Poster Presentation
Sep 12, 2020 (Edited Sep 21, 2020)

CE8301 SOM I (2019-2023 Batch)
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All topics

Create

Revision Class (07.01.2021)

Revision Class (07.01.2021) Due Jan 8

Revision class (12.11.2020)

Revision class (12.11.2020) Posted Nov 12, 2020

Revision Class (12.11.2020)

Revision Class (12.11.2020) Posted Nov 11, 2020

Revision class (10.11.2020)

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Revision Class (30.10.2020)

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Students can only see topics with published posts

Assignment 3

Assignment 3 Due Oct 20, 2020

CAT III - Part B & C (Descriptive Type)

CAT III - Part B & C (Descriptive Type) Posted Oct 20, 2020

CAT II - PART B & C (Descriptive type)

CAT II - PART B & C (Descriptive type) Due Oct 24, 2020

PCE Activity - 2 CROSSWORD

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Assignment I Due Sep 22, 2020

PCE Activity (Poster Presentation)

PCE - Poster Presentation Due Sep 24, 2020

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II Year Civil

Stream Classwork People Grades

Teachers

Arun Kannan

Students

18 students

Actions

- Jayaseelan 'JS'
- Arun kumar 03
- Agalya Agalya
- Kural Arasan
- Rengeswari Bhuba...
- F Daniel
- Monika M
- anbu mani
- Durai Murugan
- Stalin P

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	Vimal Raj
	Vimal Raj
	RubiKa_ Rubi
	SANTHOSH SANTH...
	16_sathya Sathya
	Divya Shanmugam
	Sathya Shanmugam

ESTIMATION COSTING & VALUATION ENGINEERING

Stream Classwork People Grades

Announce something to your class

ISHWARYA V posted a new material: E-TENDER & TTT ACT, ARBITRATION _UNIT-...
Oct 12 (Edited Oct 12)

ISHWARYA V posted a new material: UNIT-IV CONTRACTS
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ISHWARYA V posted a new material: UNIT-III NOTES
Oct 6

ISHWARYA V posted a new assignment: PCE ACTIVITY-25 MARKS
Oct 6

ISHWARYA V posted a new material: Course plan & Question bank _EC&VE

ESTIMATION COSTING & VALUATION ENGINEERING

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ISHWARYA V posted a new material: RATE ANALYSIS OF ROAD WORK (UNIT-II)
Sep 30

ISHWARYA V posted a new assignment: CAT-1
Sep 19

1 class comment

ISHWARYA V posted a new assignment: Assignment - 1
Sep 15

ISHWARYA V posted a new material: QUESTION NO.9 -ROAD ESTIMATE
Sep 7

ISHWARYA V posted a new material: QUESTION-8(CULVERT)
Sep 7

ISHWARYA V posted a new material: QUESTION 7 SEPTIC TANK
Sep 7

ISHWARYA V posted a new material: question 6 (residential building)
Aug 30 (Edited Sep 7)

ISHWARYA V posted a new material: Question .5 center line method DOUBLE R...
Aug 27 (Edited Sep 7)

ESTIMATION COSTING & VALUATION ENGINEERING

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ISHWARYA V posted a new material: Question no.3 center line method -SINGLE ...
Aug 25 (Edited Sep 7)

ISHWARYA V posted a new material: QUESTION NO.2 SINGLE ROOM BUILDING
Aug 23 (Edited Sep 7)

ISHWARYA V posted a new material: QUESTION NO.1 COMPOUND WALL
Aug 23 (Edited Sep 7)

II Year-CE8404 CONCRETE TECHNOLOGY
IV Semester

Stream Classwork People Marks

Announce something to your class

revathi kannan posted a new assignment: Model III
7 Jun

revathi kannan posted a new assignment: MODEL EXAM II 28.05.21
28 May (Edited 28 May)

revathi kannan posted a new assignment: MODEL EXAMINATION 18.05.2021
18 May

revathi kannan
18 May

CT Unit Wise Notes

Compressive strength o... | CT Notes Unit I.doc | Unit II Admixtures.ppt | Unit III Mix design.ppt | Unit III Using Admixtures... | Unit IV Permeability.ppt

Add class comment...

revathi kannan
18 May

CT NOTES

II Year-CE8404 CONCRETE TECHNOLOGY

IV Semester

Stream Classwork People Marks

revathi kannan posted a new assignment: Revision Test III
17 May

revathi kannan posted a new assignment: Revision Test II
8 May

revathi kannan posted a new assignment: REVISION TEST I
5 May

revathi kannan posted a new assignment: CAT II Assignment II ▸ 9 students
27 Apr (Edited 28 Apr)

revathi kannan posted a new assignment: CAT II Assignment 1 ▸ 9 students
27 Apr (Edited 28 Apr)

revathi kannan posted a new assignment: CAT II
24 Apr

revathi kannan
22 Apr

E-Book

ebook_Concrete_techno...

Add class comment...

revathi kannan
22 Apr

Question Bank

Concrete Technology Q...

II Year-CE8404 CONCRETE TECHNOLOGY
IV Semester

Stream Classwork People Marks

MCQ UNIT I & II

MCQ UNIT I & II.pdf

Add class comment...

revathi kannan posted a new assignment: Assignment II PCE Activity
13 Apr

revathi kannan posted a new assignment: Assignment 1
25 Mar

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DEPARTMENT OF CIVIL ENGINEERING

CE8402 – STRENGTH OF MATERIALS II

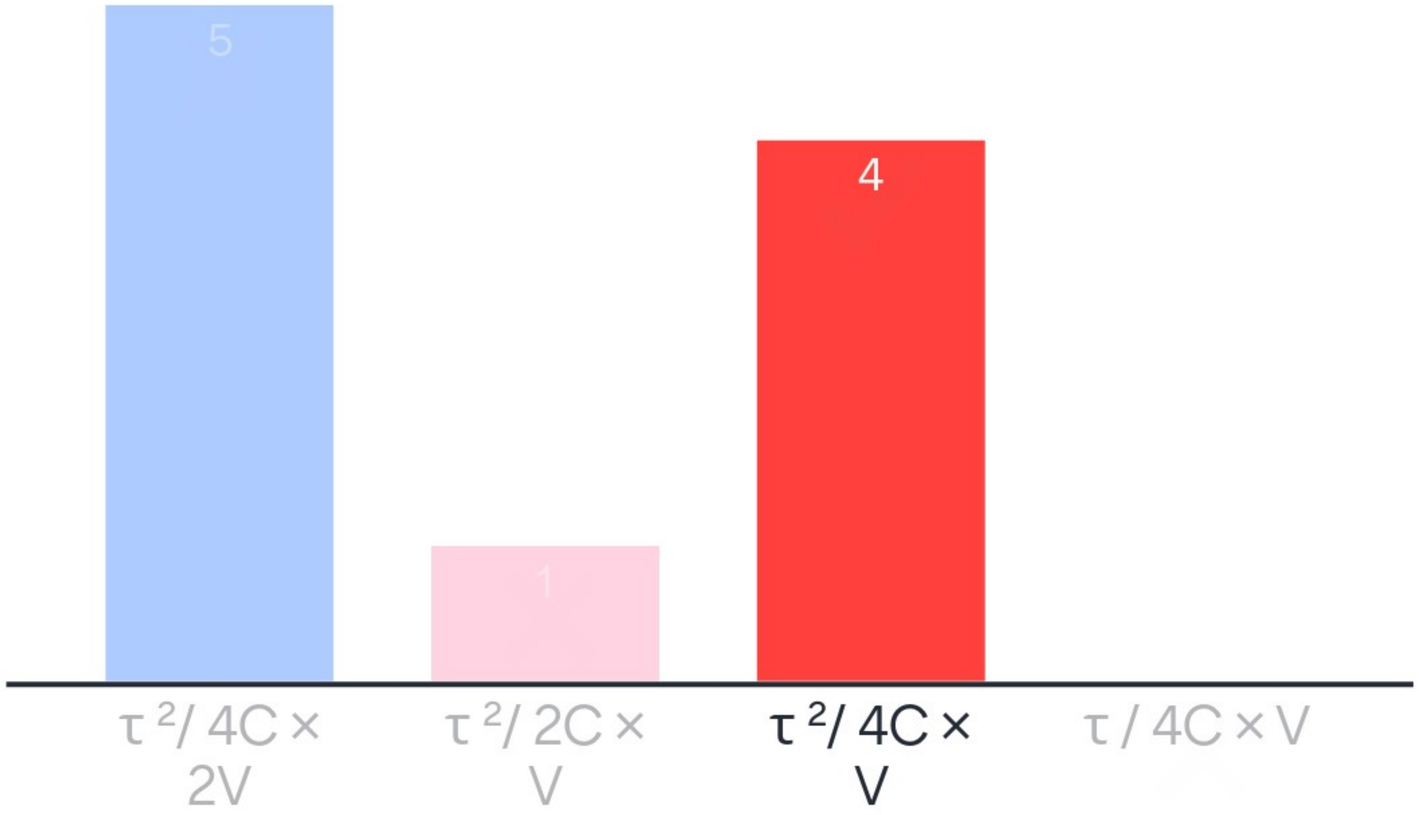
II YEAR CIVIL / IV SEM

PCE ACTIVITY – TECHNICAL QUIZ

STAFF INCHARGE
ARUN.K
AP/CIVIL

The strain energy stored in a solid circular shaft in torsion, subjected to shear stress (τ), is:

Mentimeter



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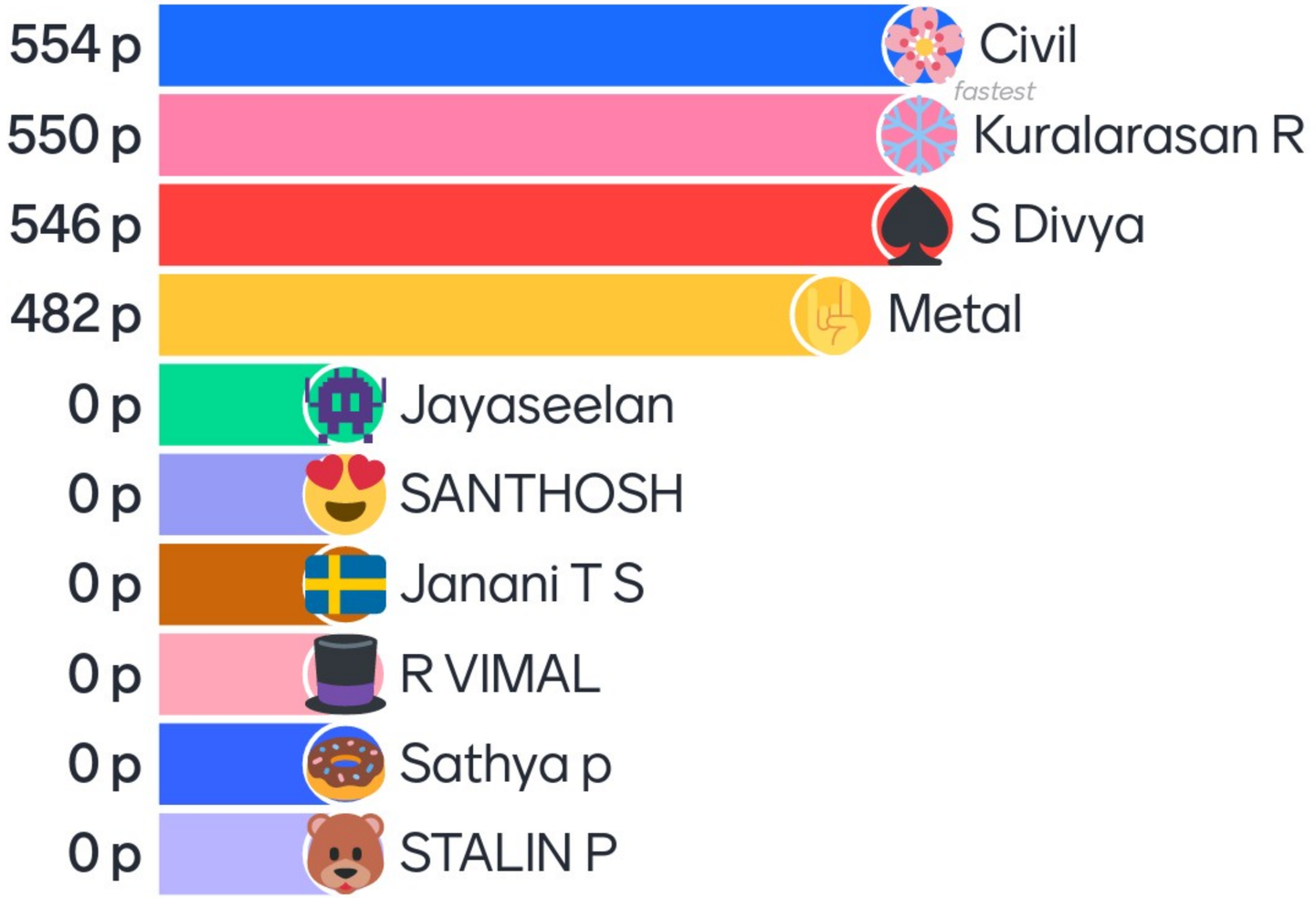
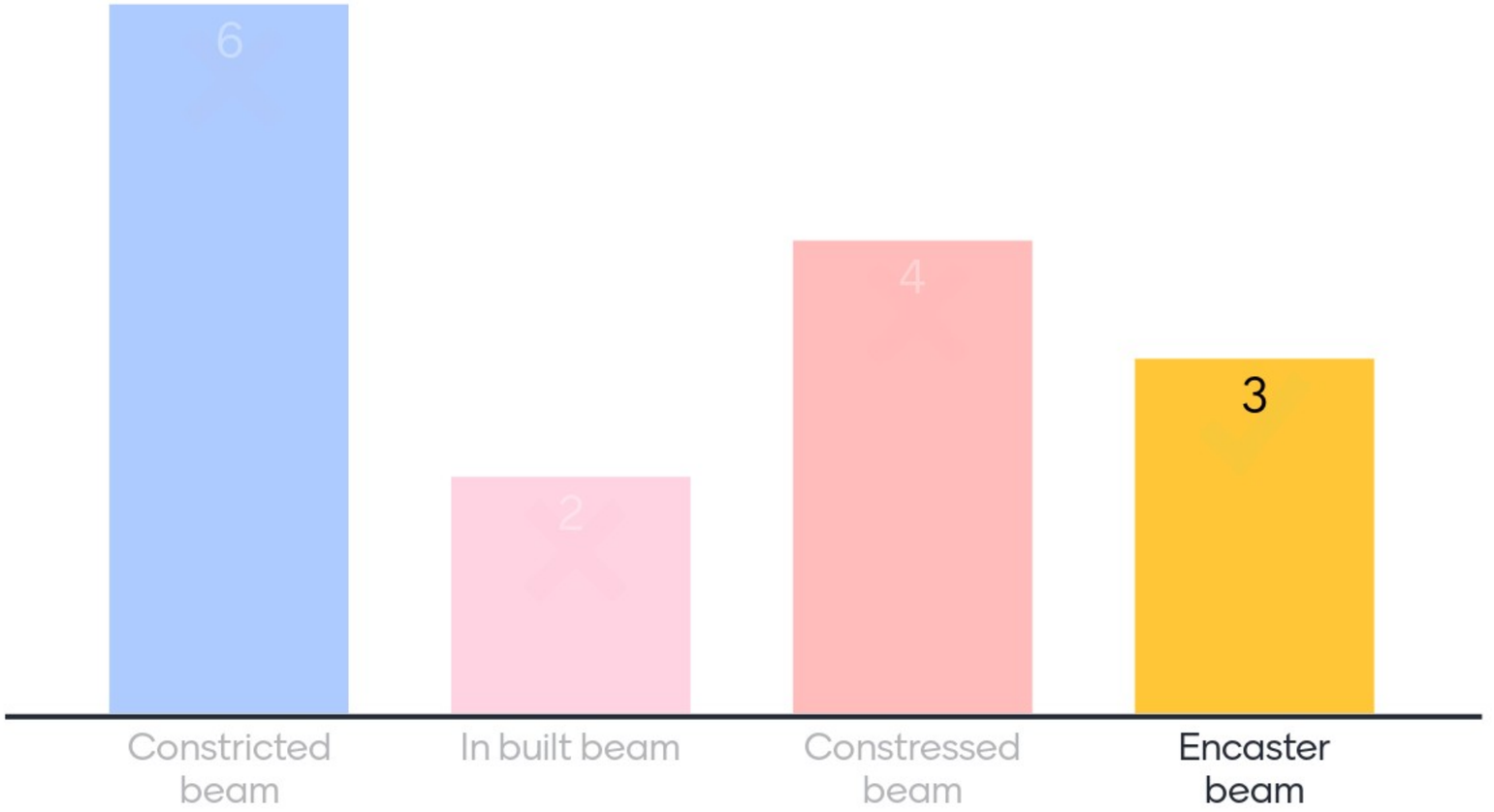
Leaderboard



Fixed beam is also known as

Mentimeter



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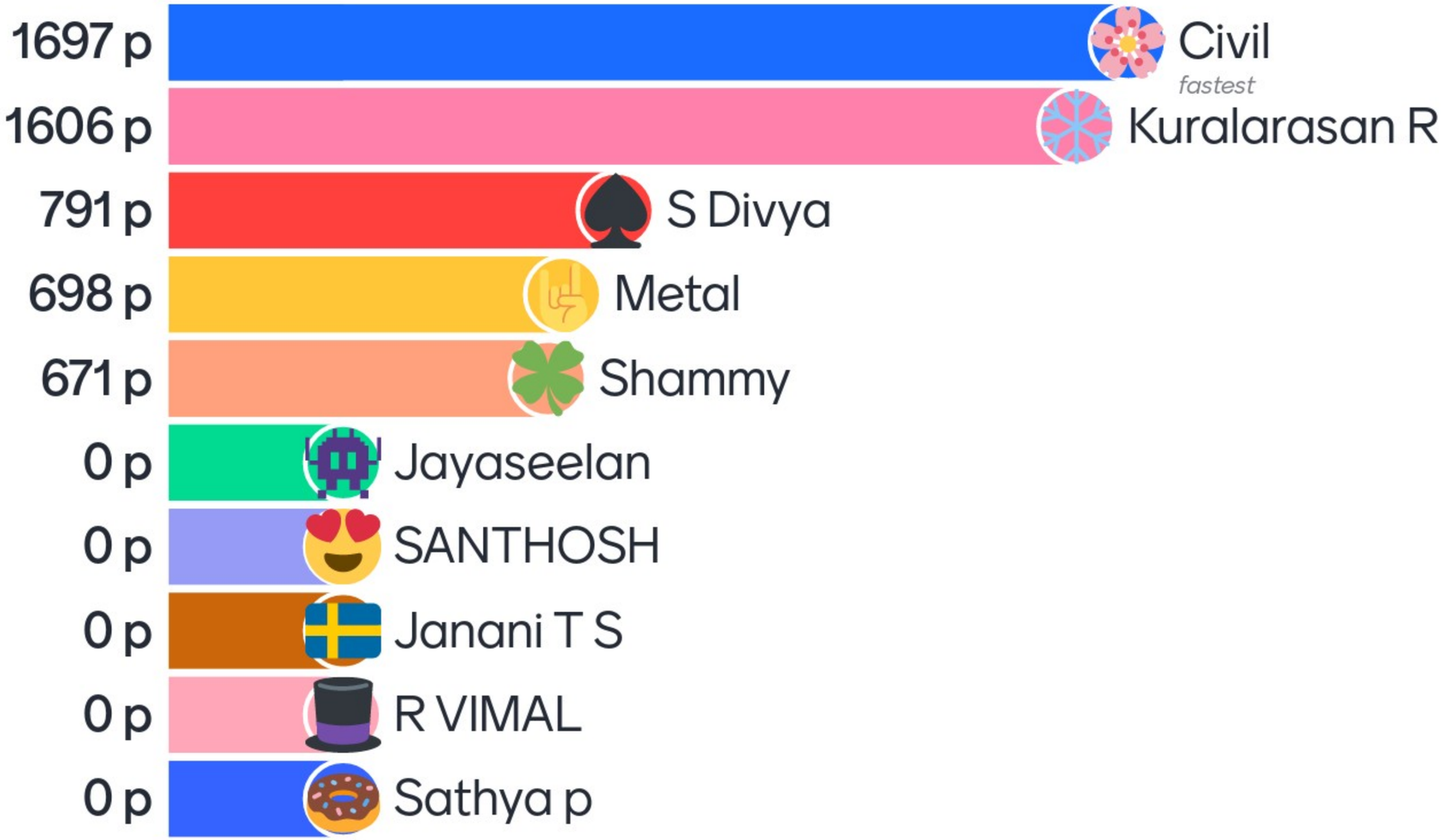
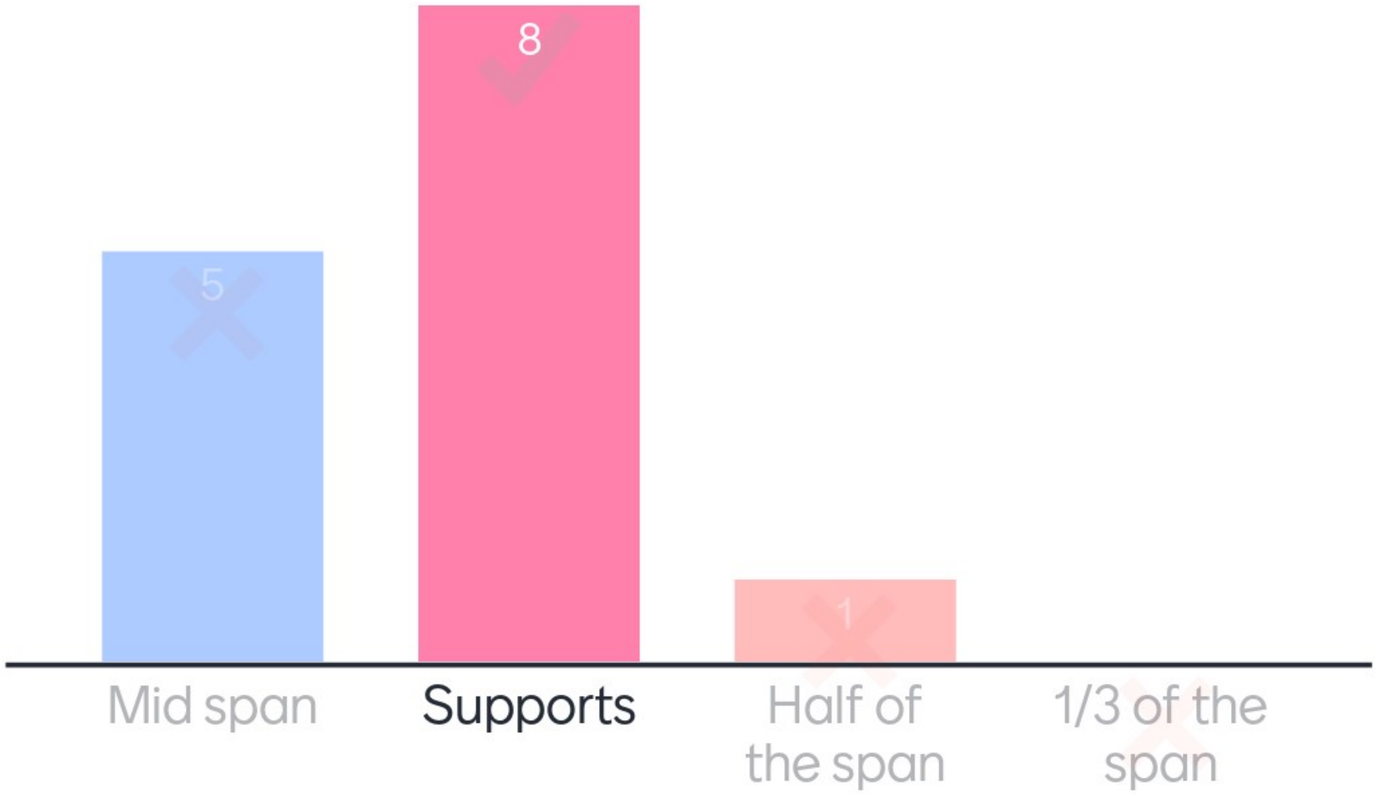
Leaderboard



The maximum negative bending moment in fixed beam carrying udl occurs at

Mentimeter



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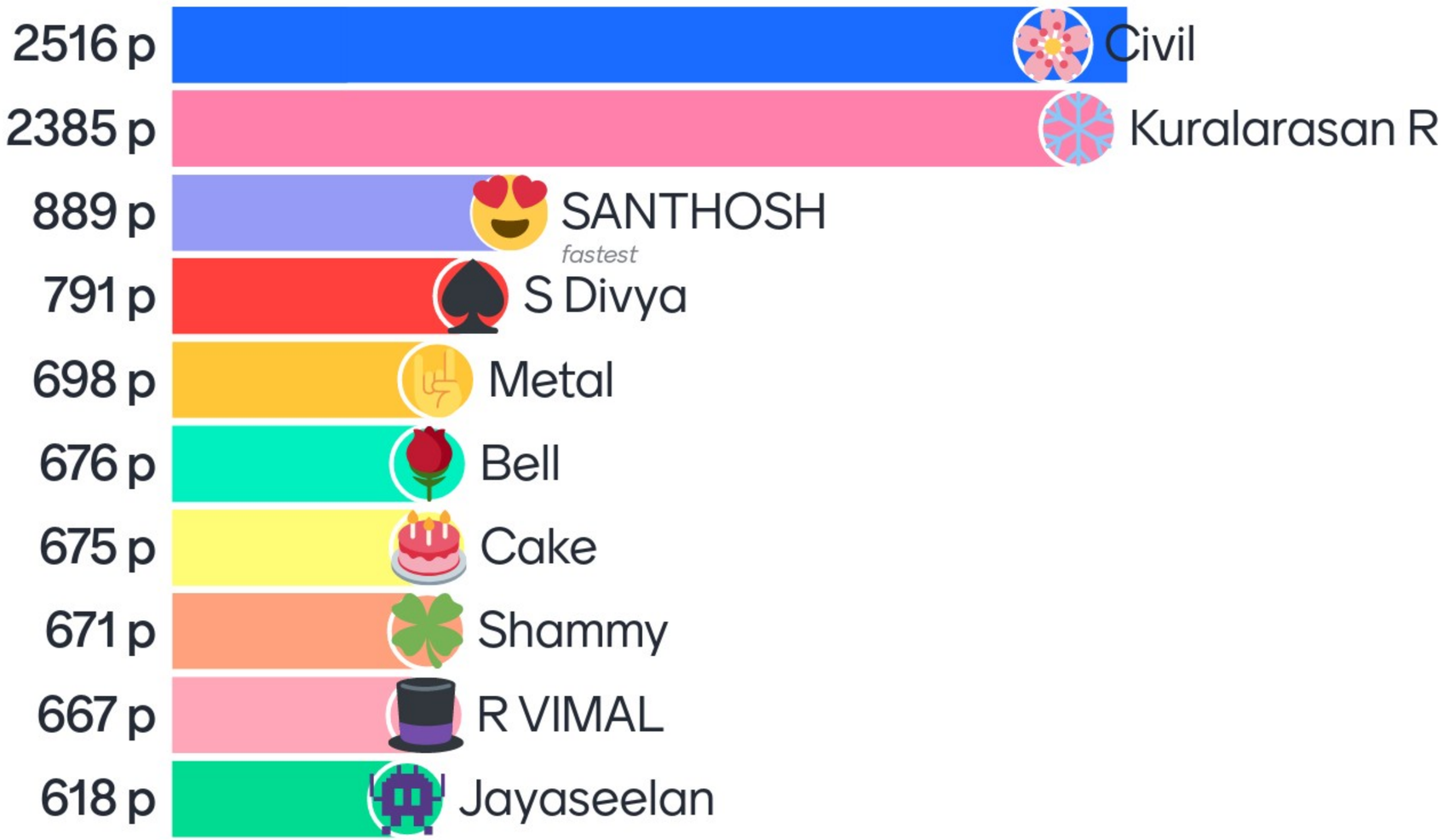
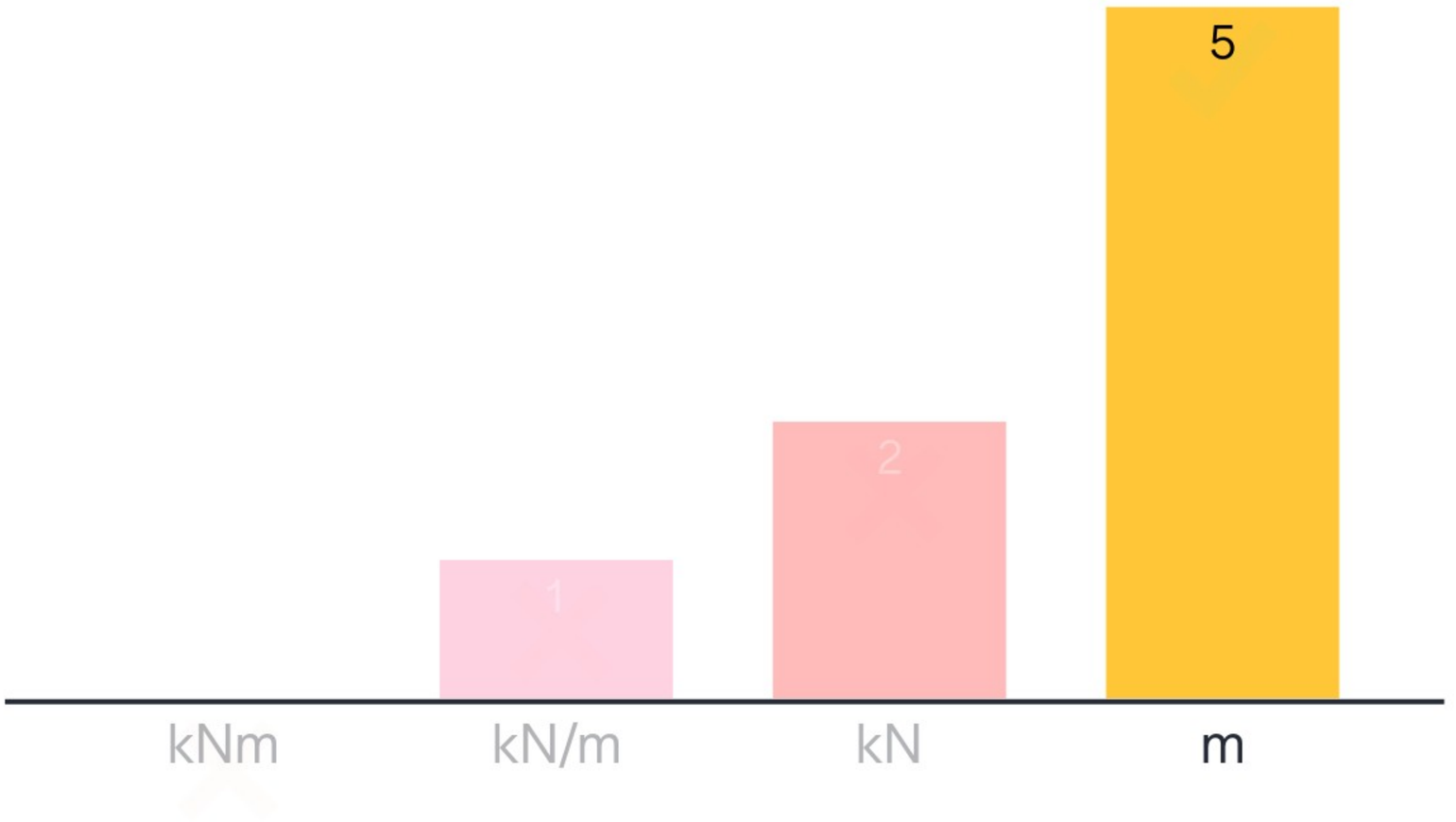
Leaderboard



Unit of deflection is _

Mentimeter



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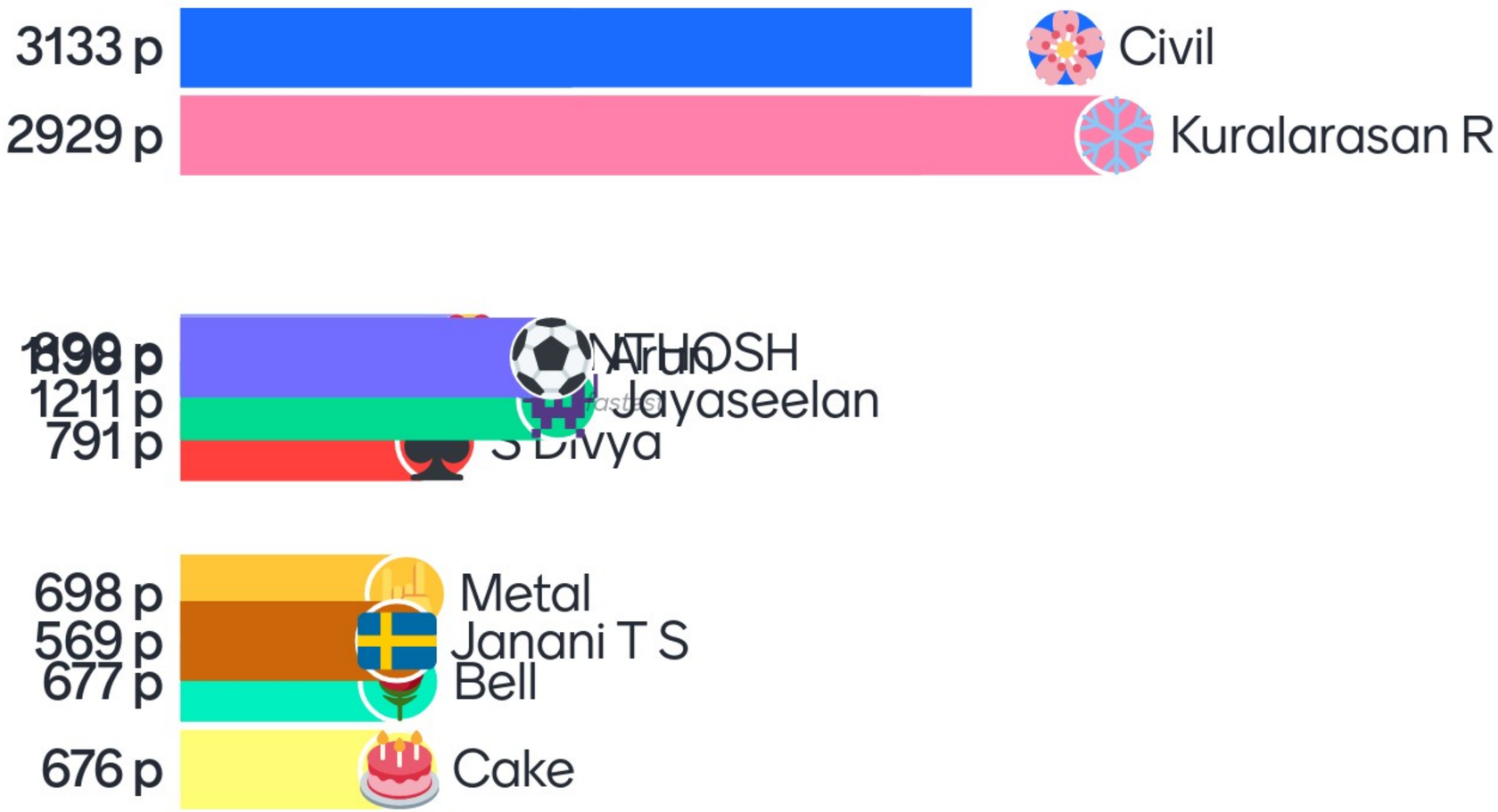
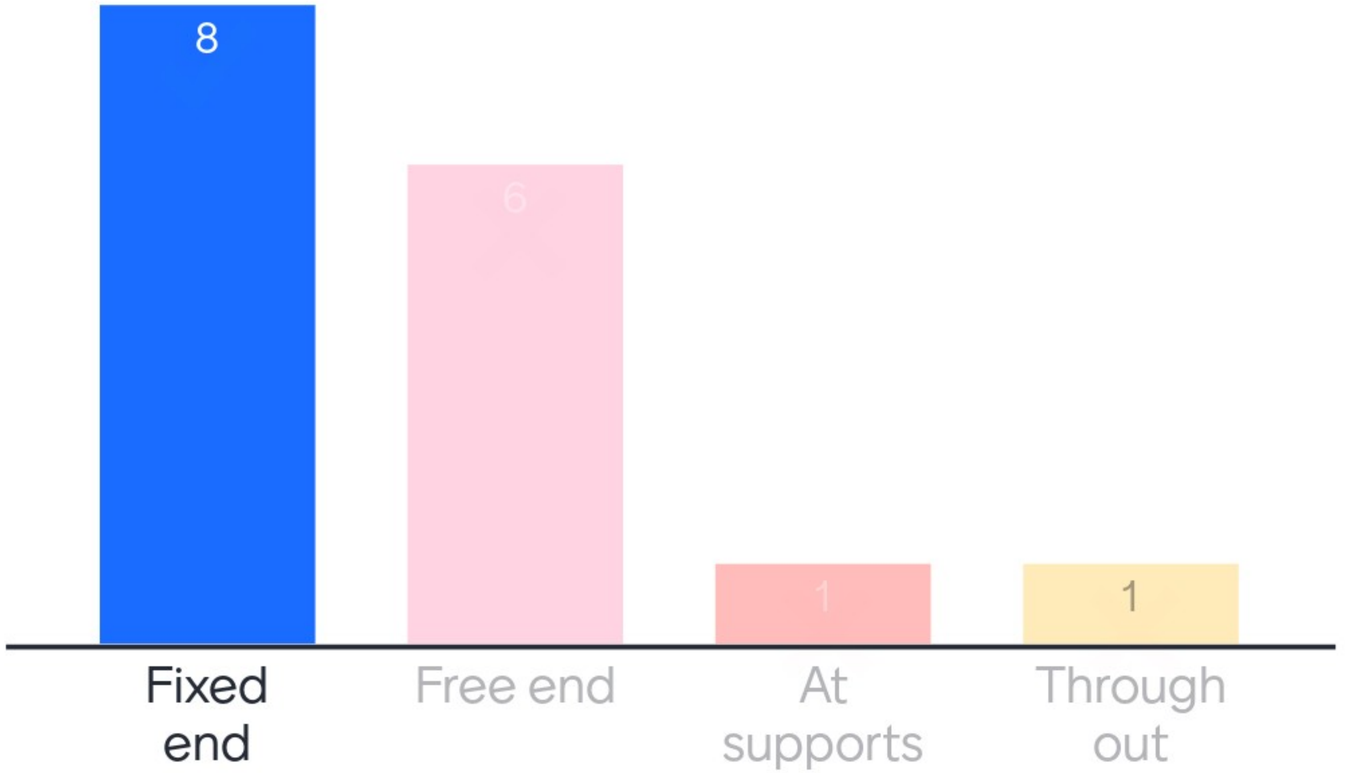


In cantilever beams, the deflection is zero at ___

Mentimeter



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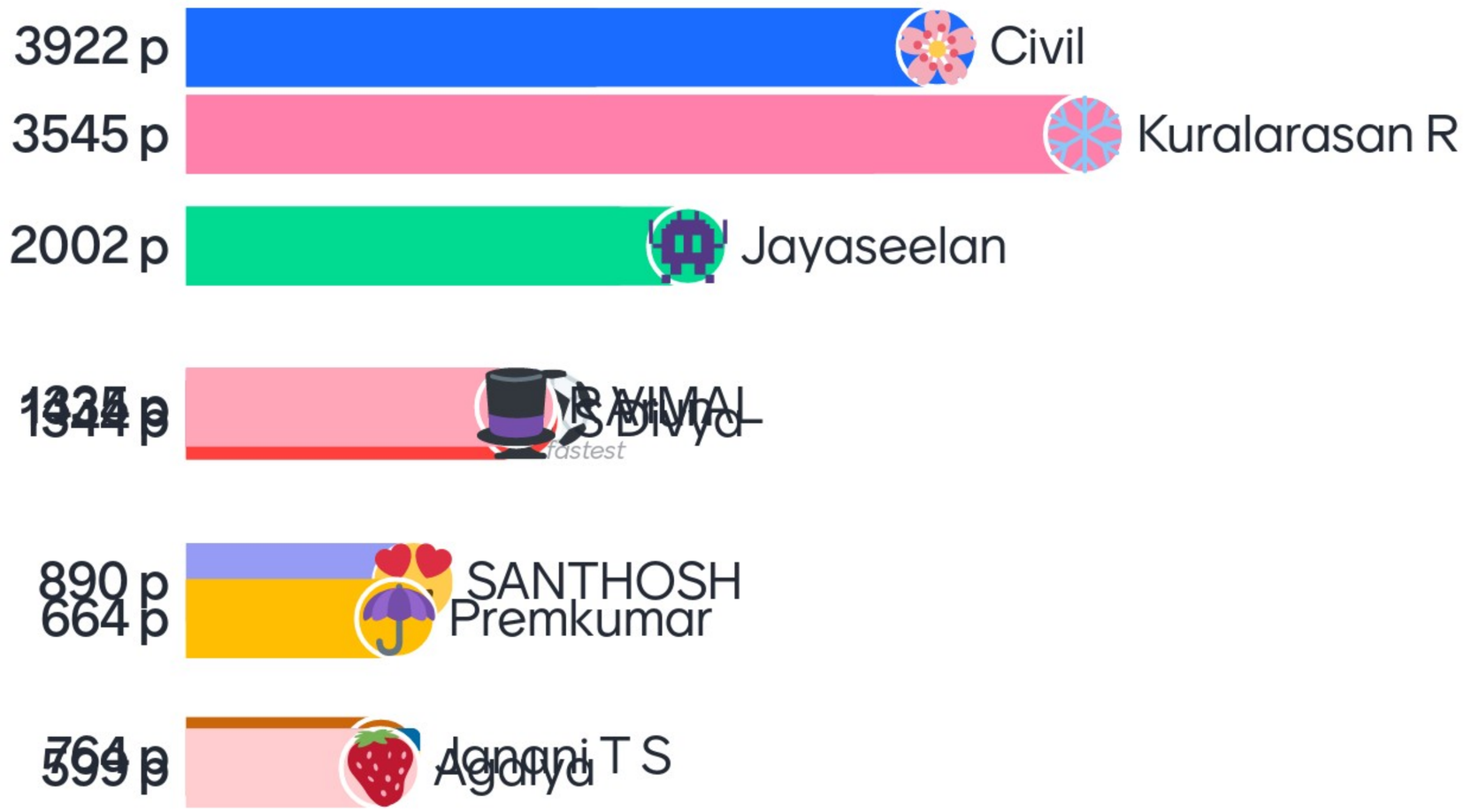
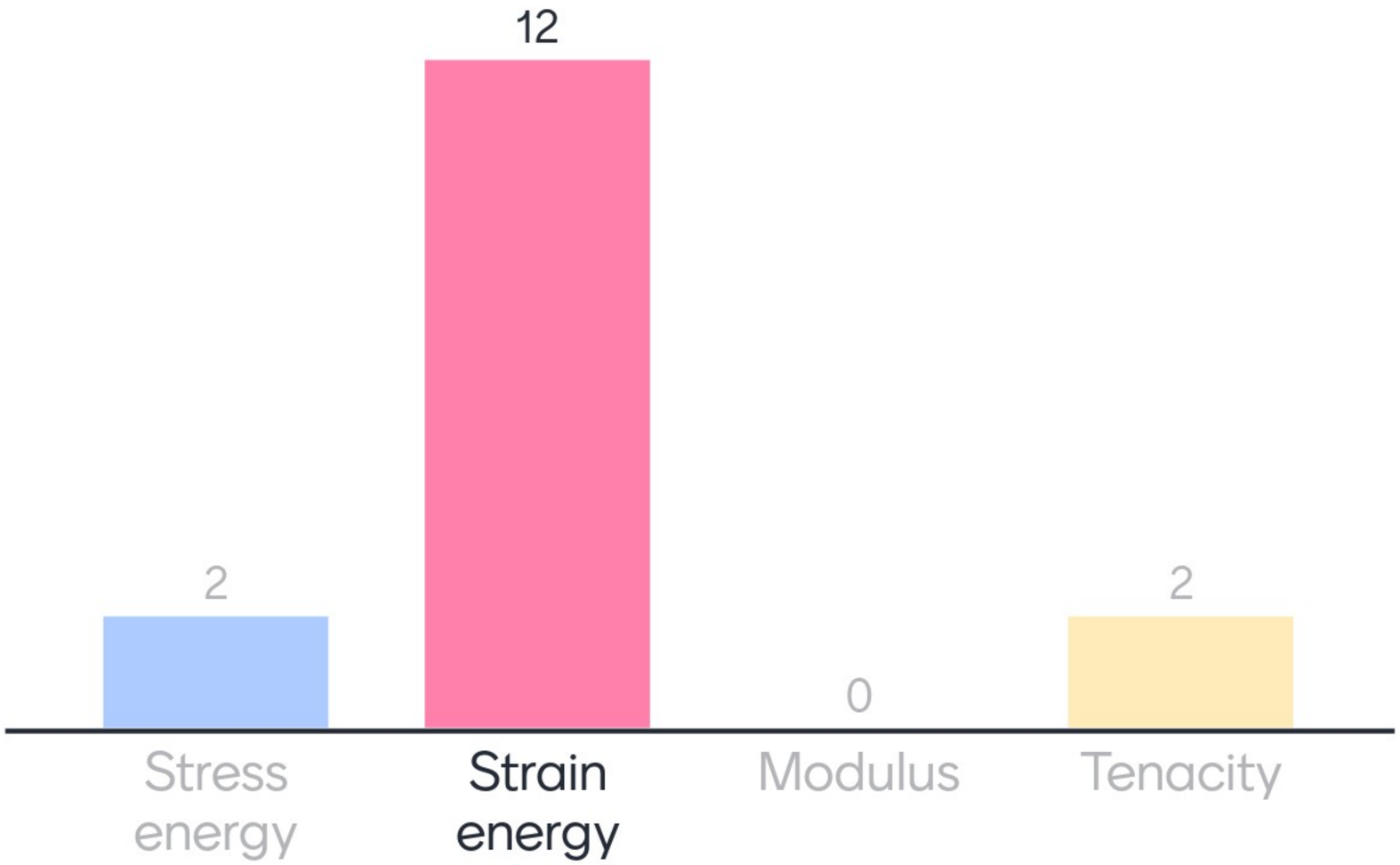


Resilience can also be termed as ___

Mentimeter



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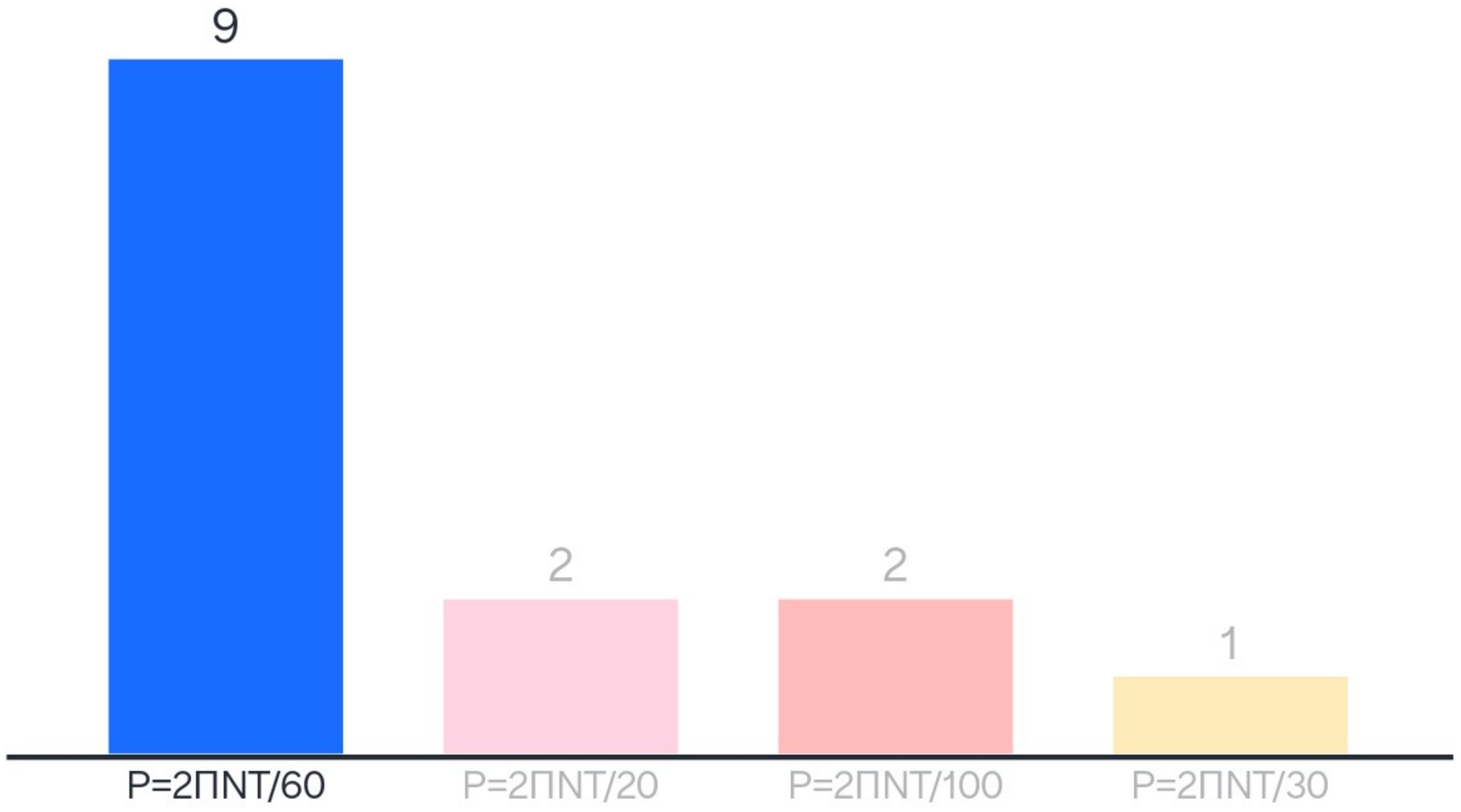
Power transmission equation

Mentimeter



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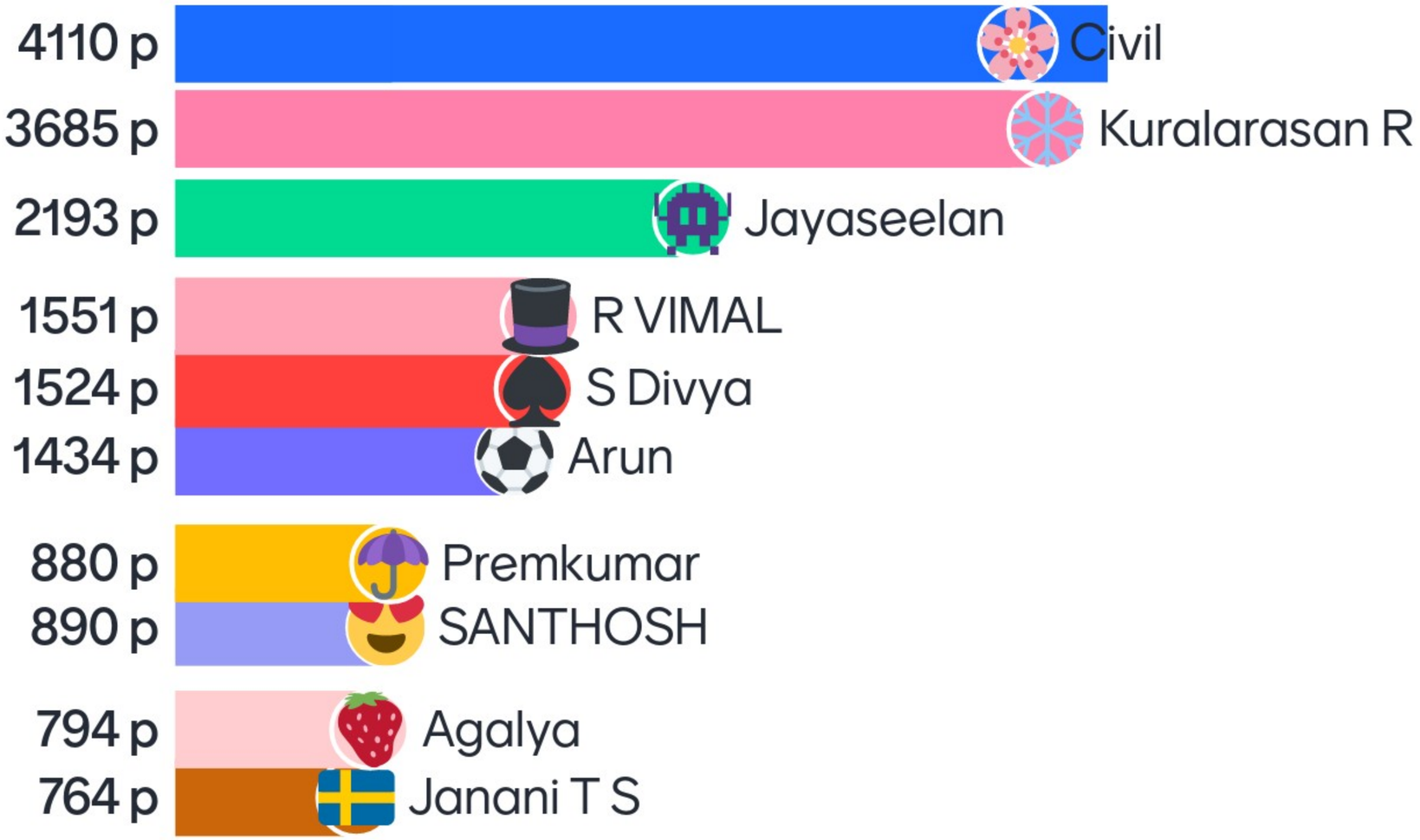

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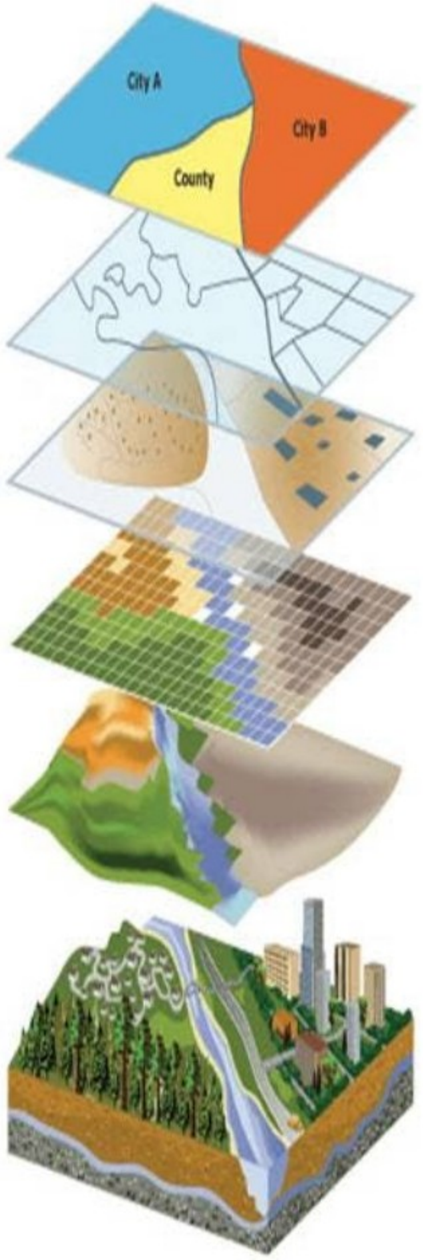
GI8014 – GEOGRAPHIC INFORMATION SYSTEM

III YEAR CIVIL / V SEM

PCE ACTIVITY – ONLINE QUIZ



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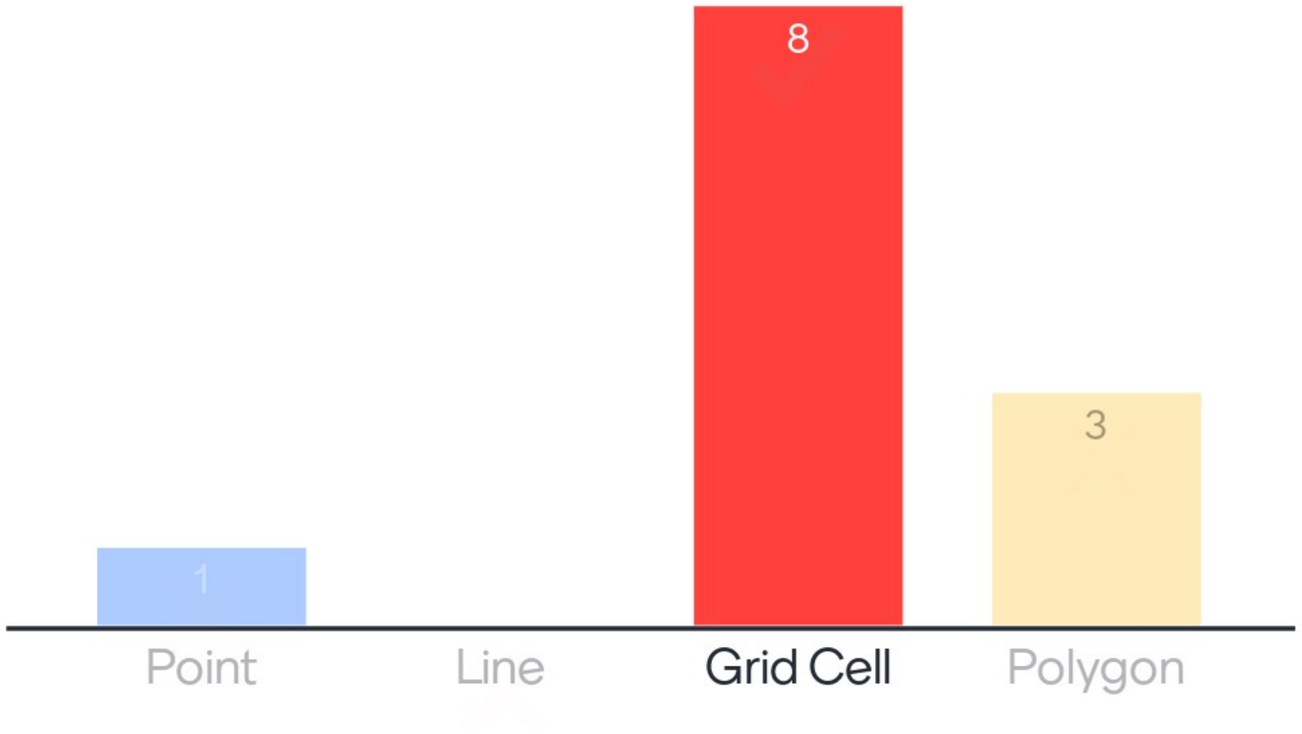
ARUN.K

AP/CIVIL

Which of the following is not a type of Vector Feature??

Mentimeter



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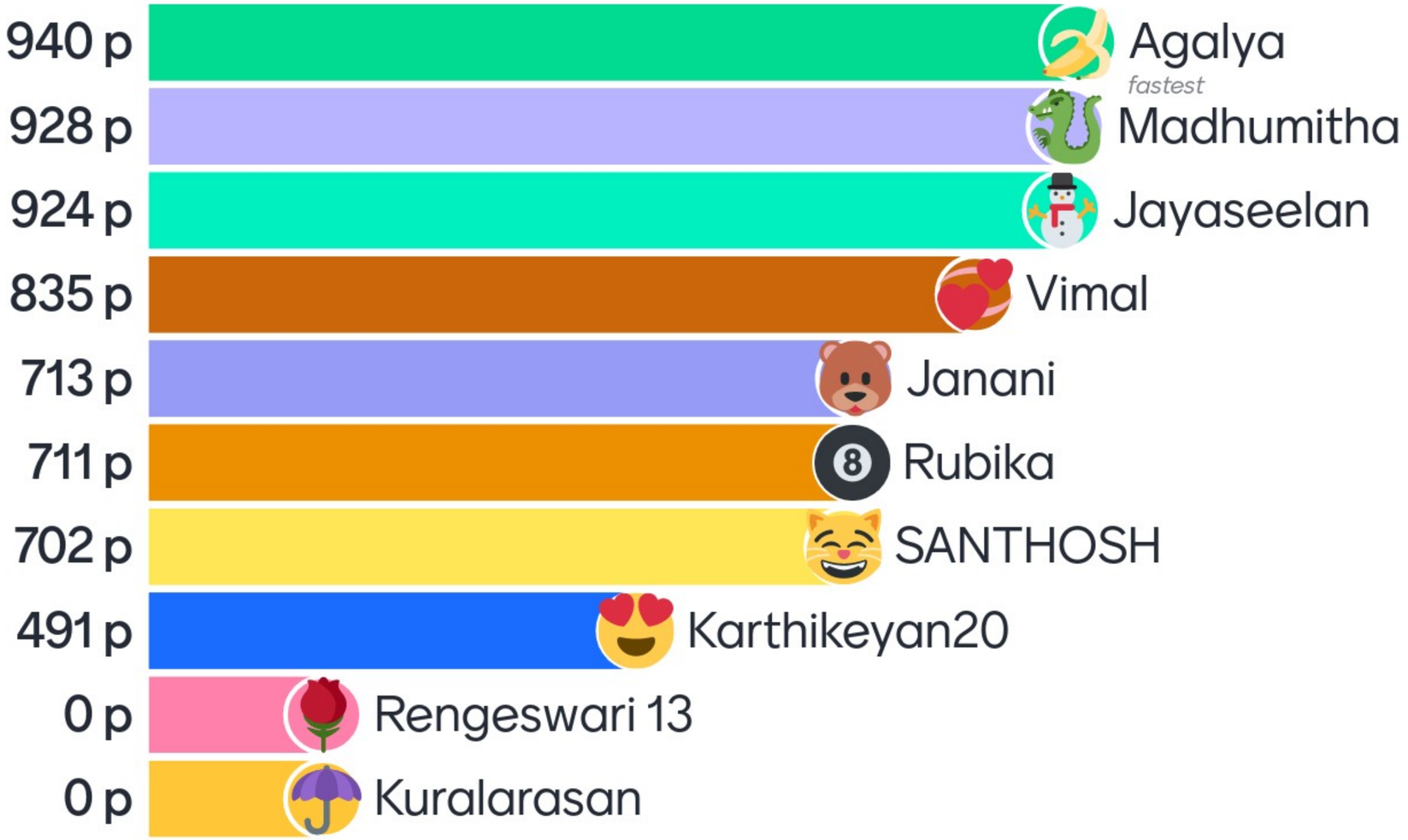
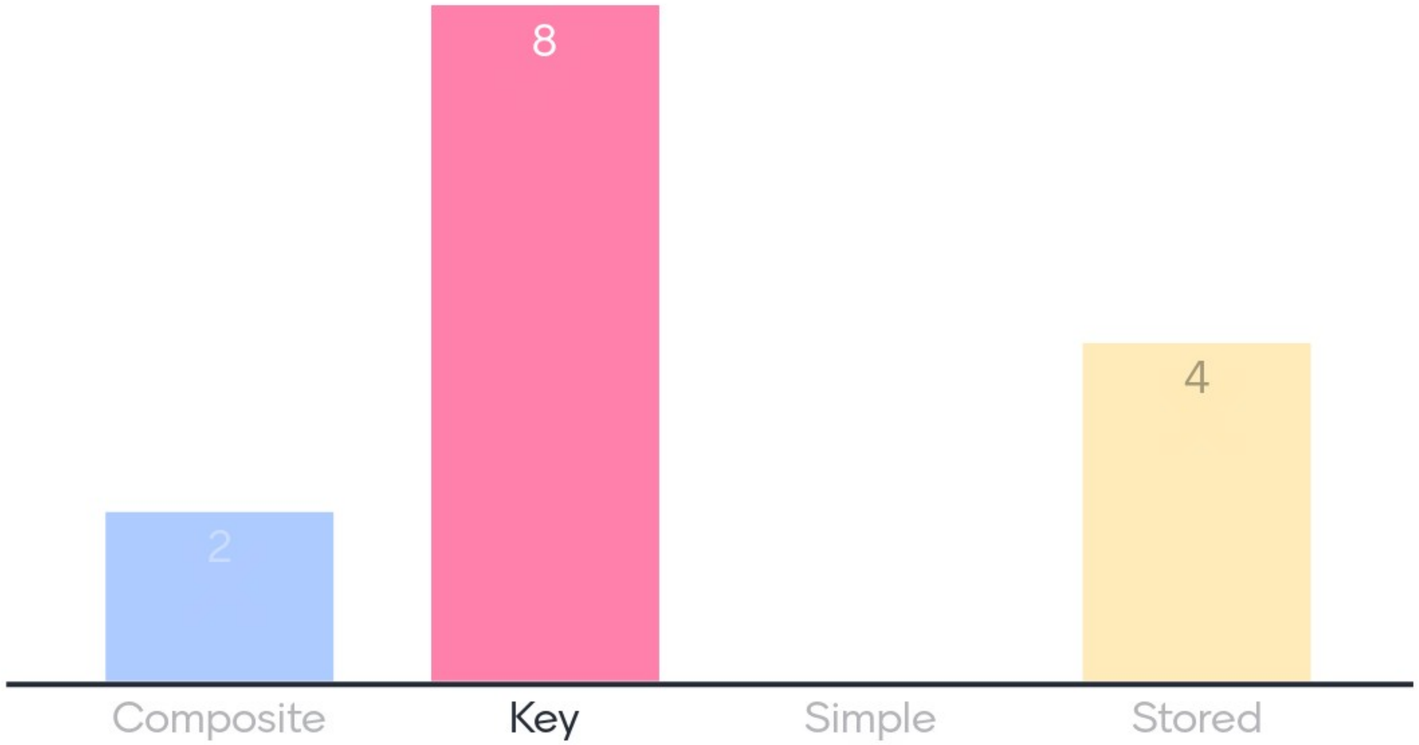


An attribute whose values are distinct for each individual entity record is called as _ Attribute.

Mentimeter



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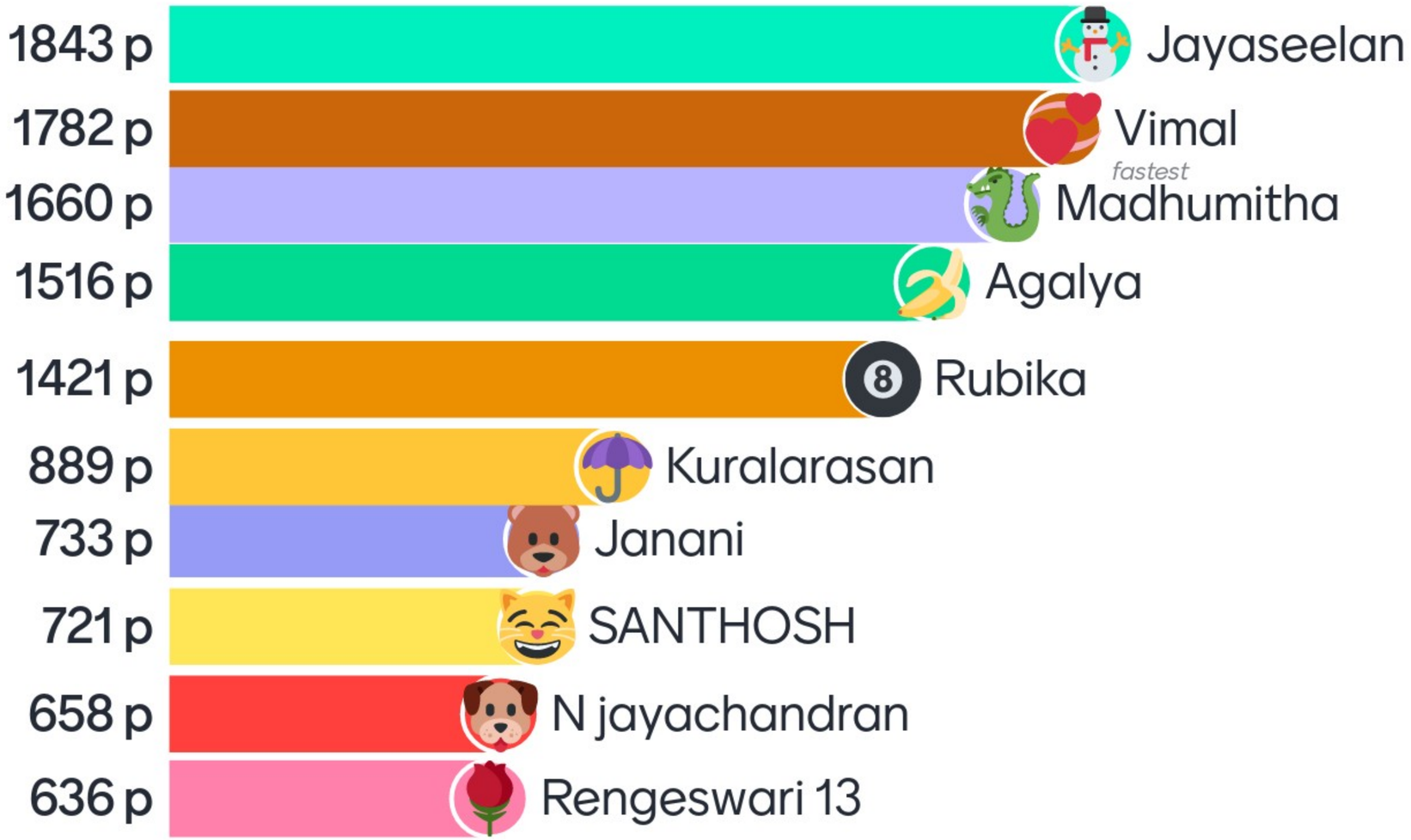

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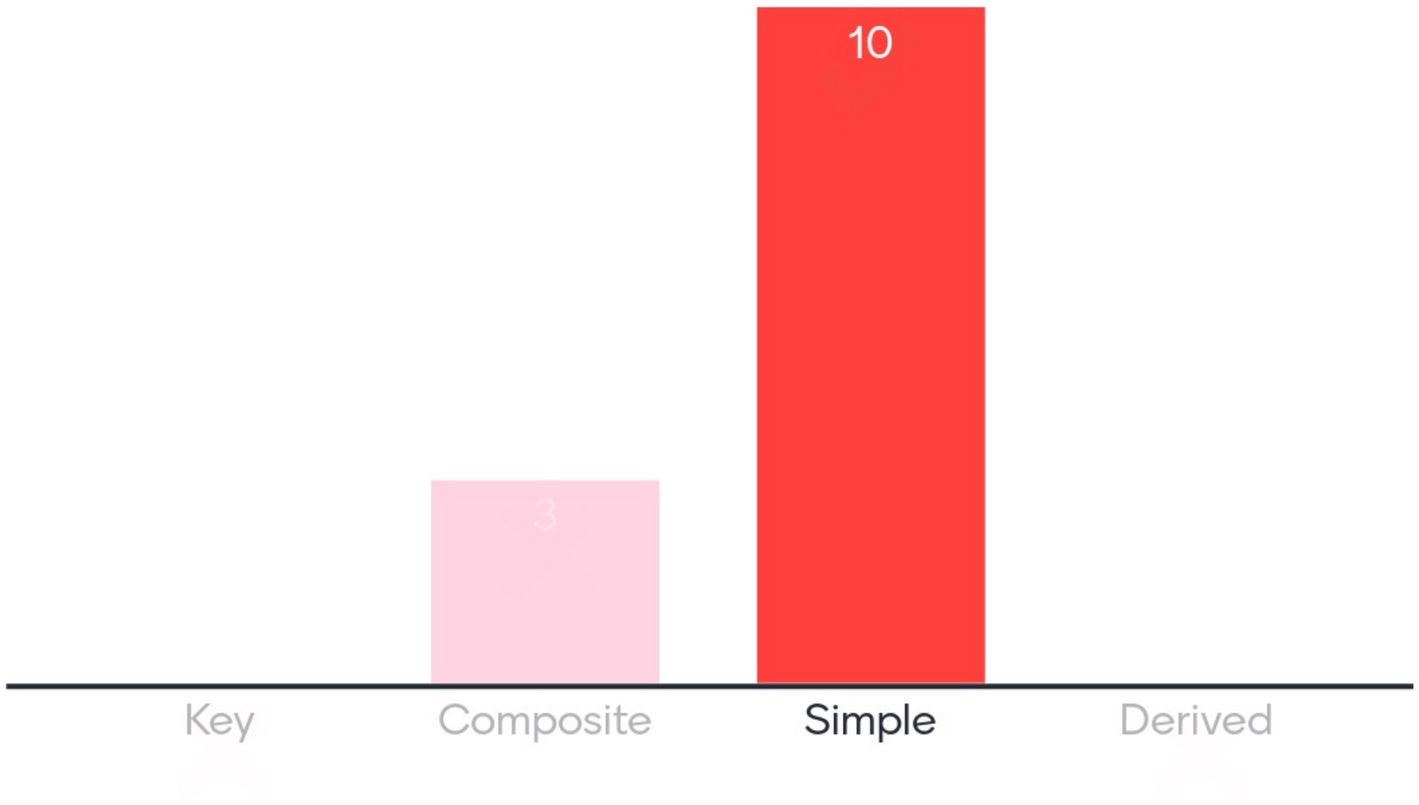
Attributes that can't be divided into subparts are called ____ Attributes

Mentimeter



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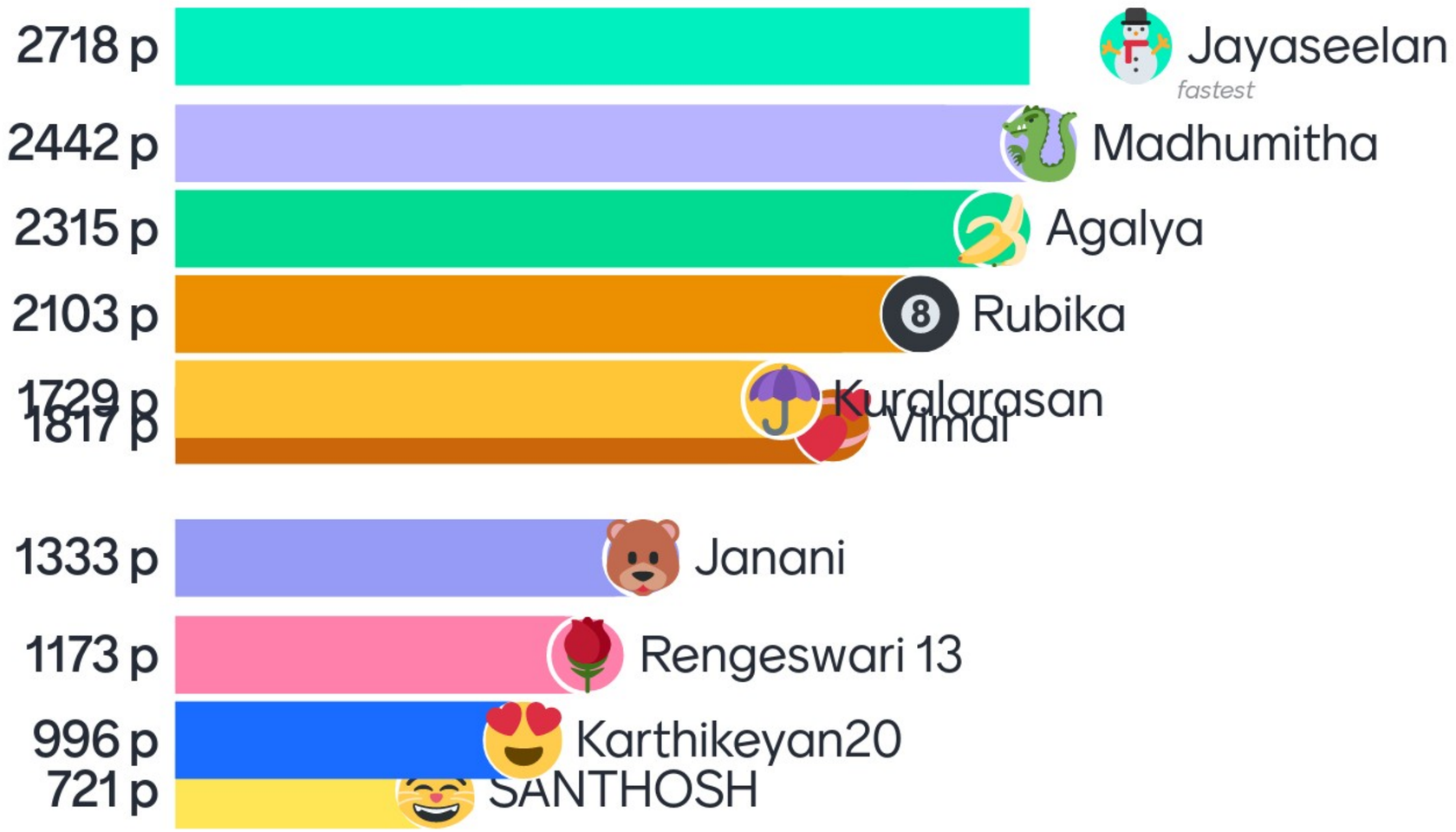
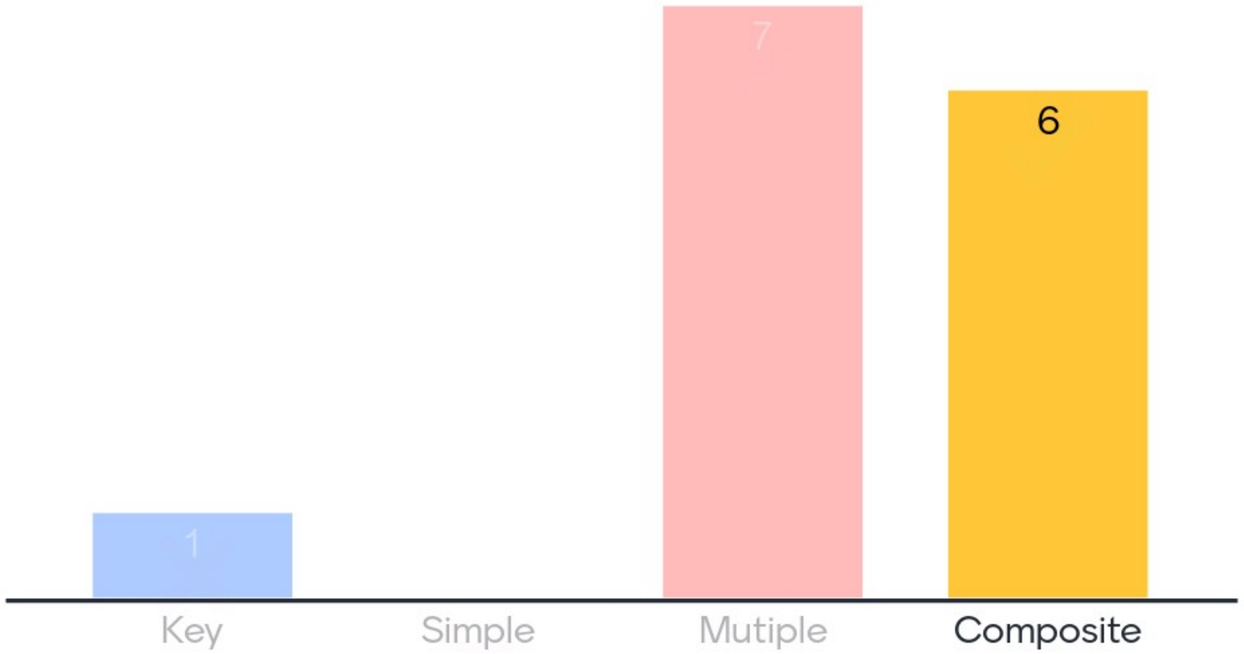


Attributes that can be divided into subparts with each subpart having their own independent meaning are _ attributes.

Mentimeter



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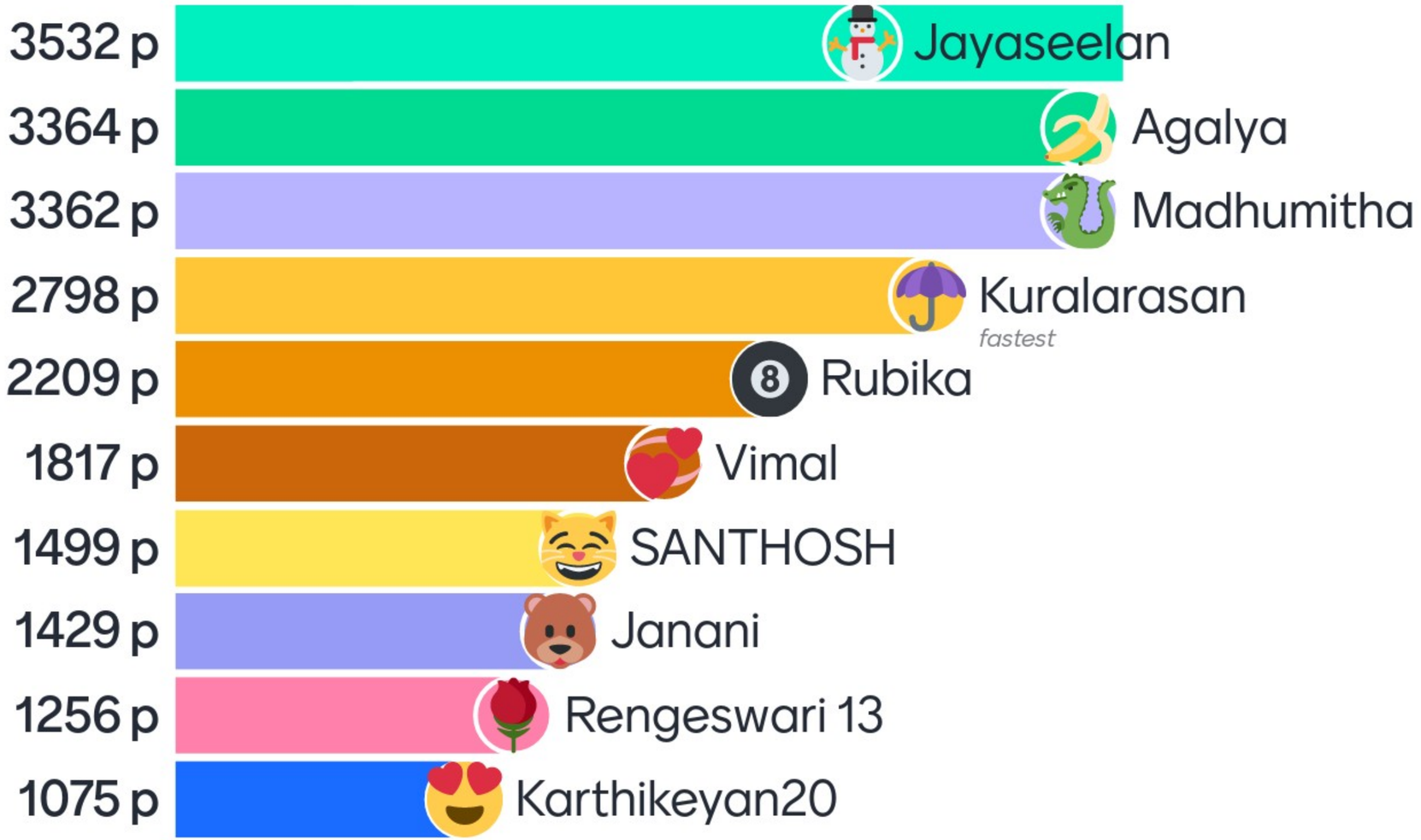
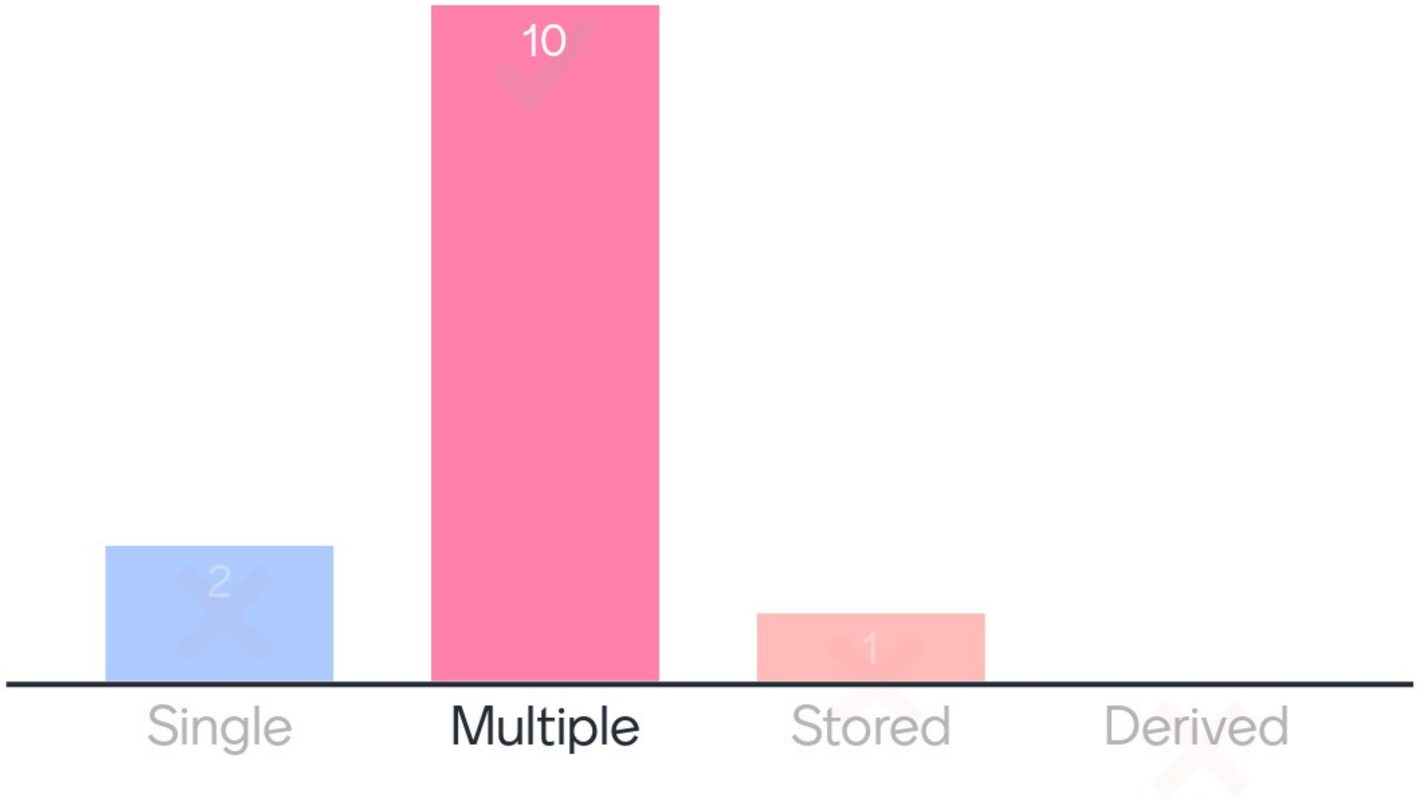


Attributes that can have more than one value are called ____valued attributes.

Mentimeter



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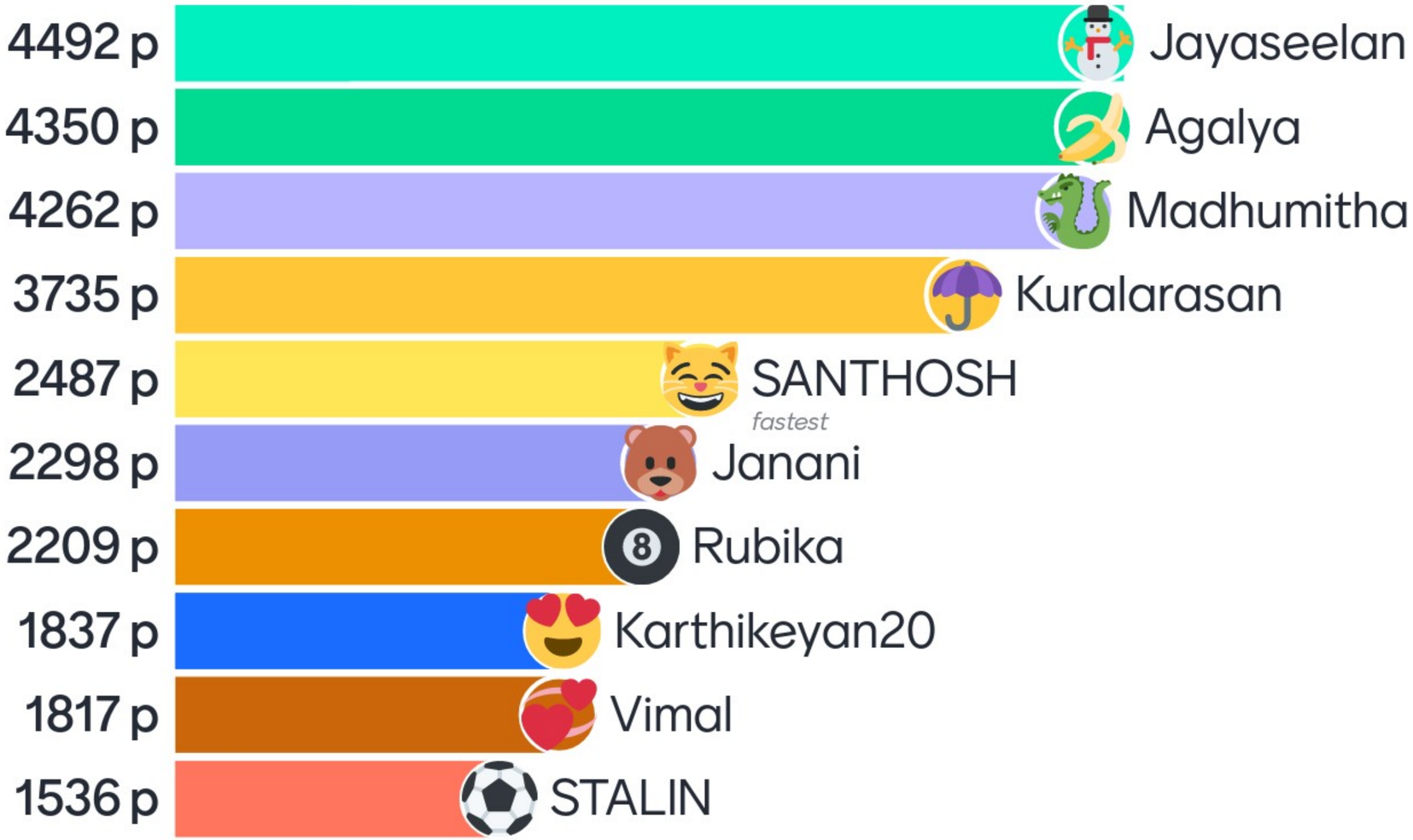
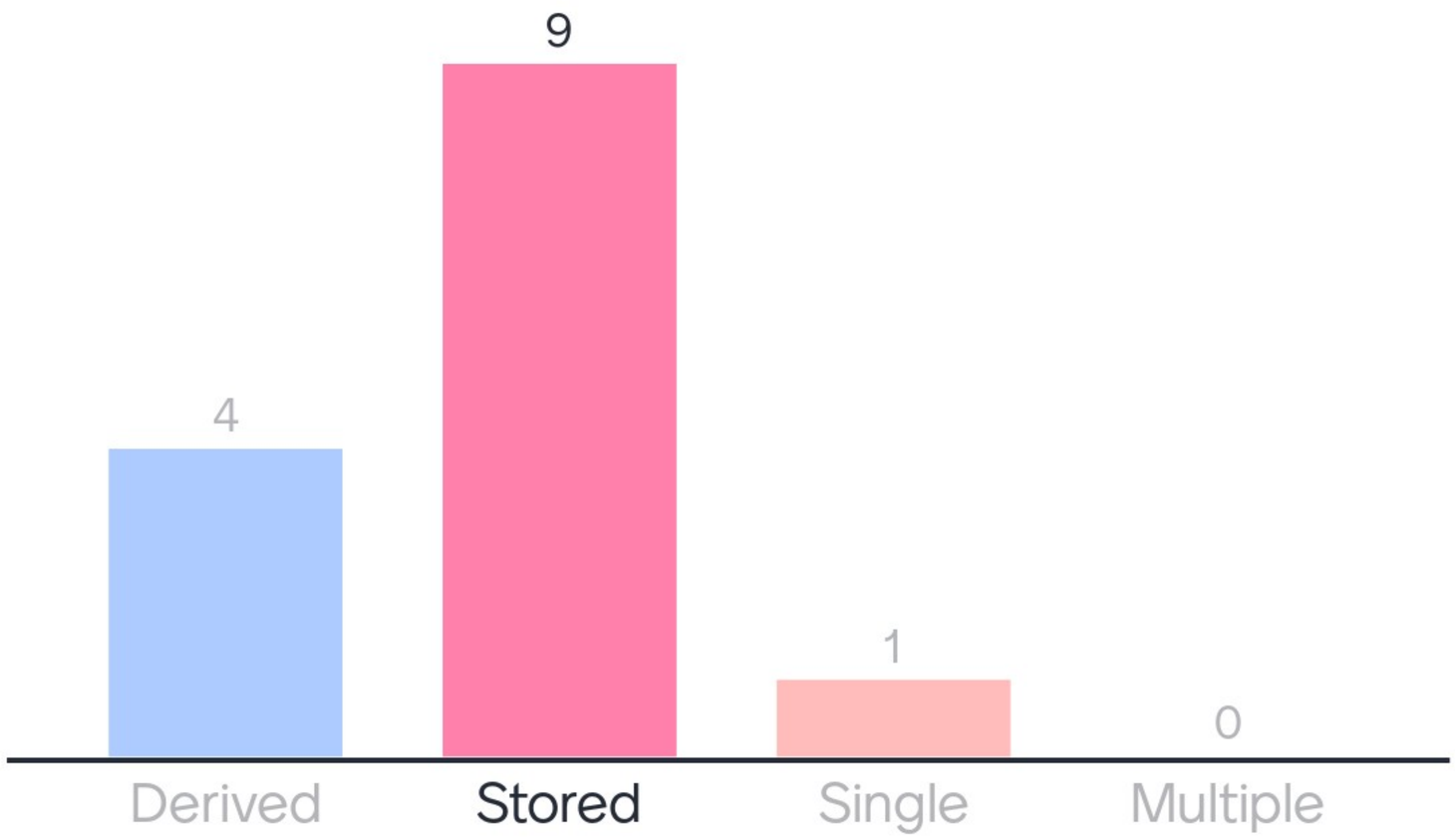


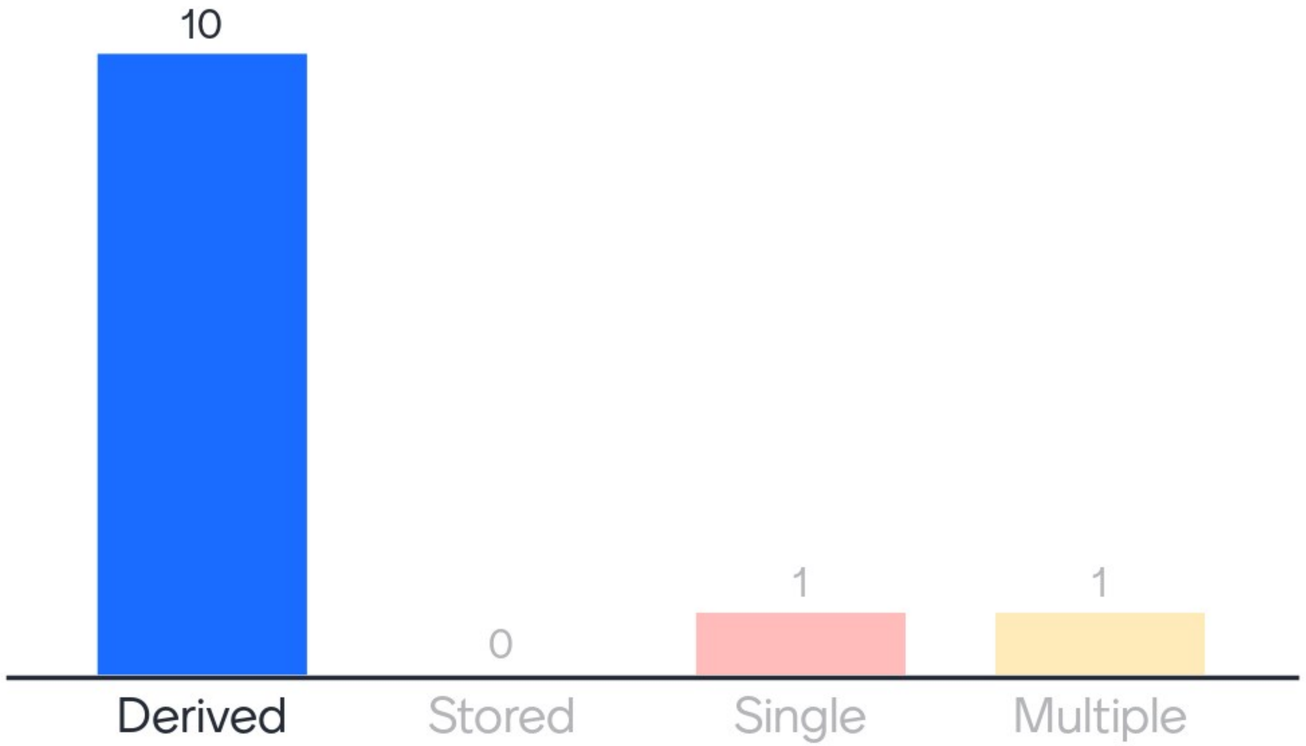
The attributes from which another attributes can be derived are called ____ attributes.

Mentimeter



The attributes that are derived using a mathematical formula and operations on other attributes are called __attributes.

Mentimeter



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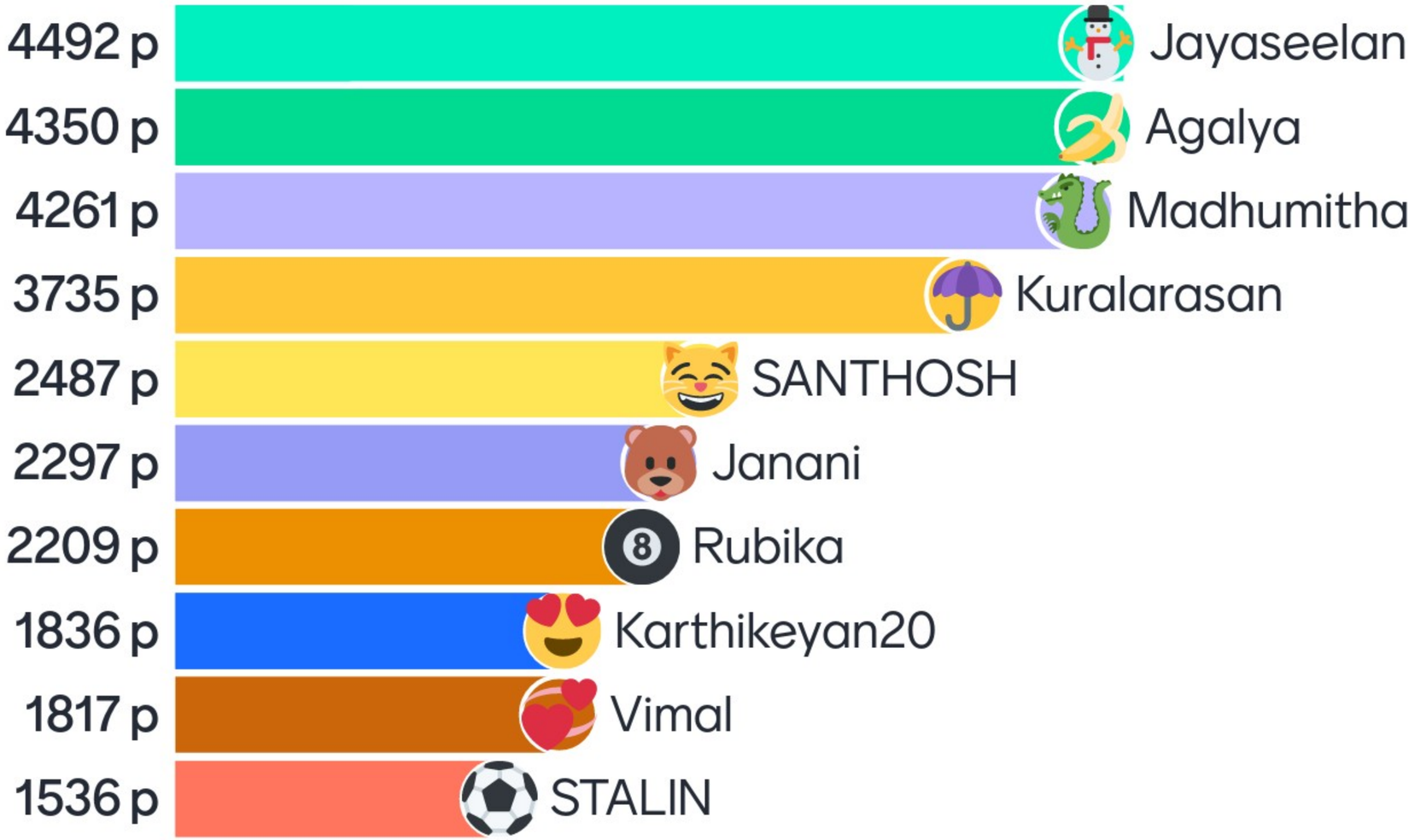

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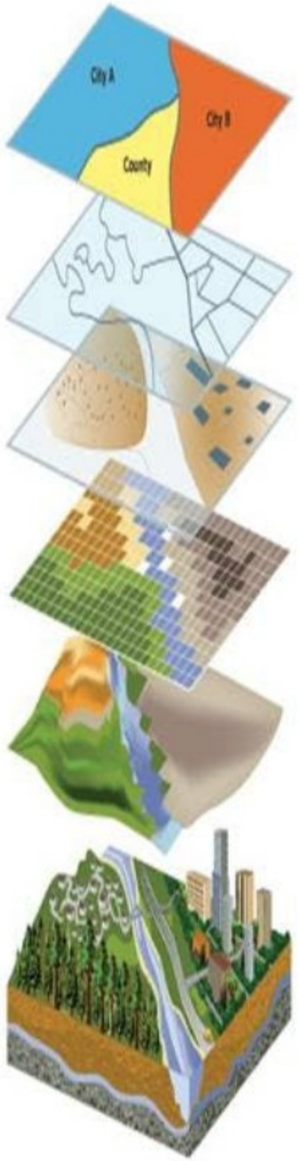
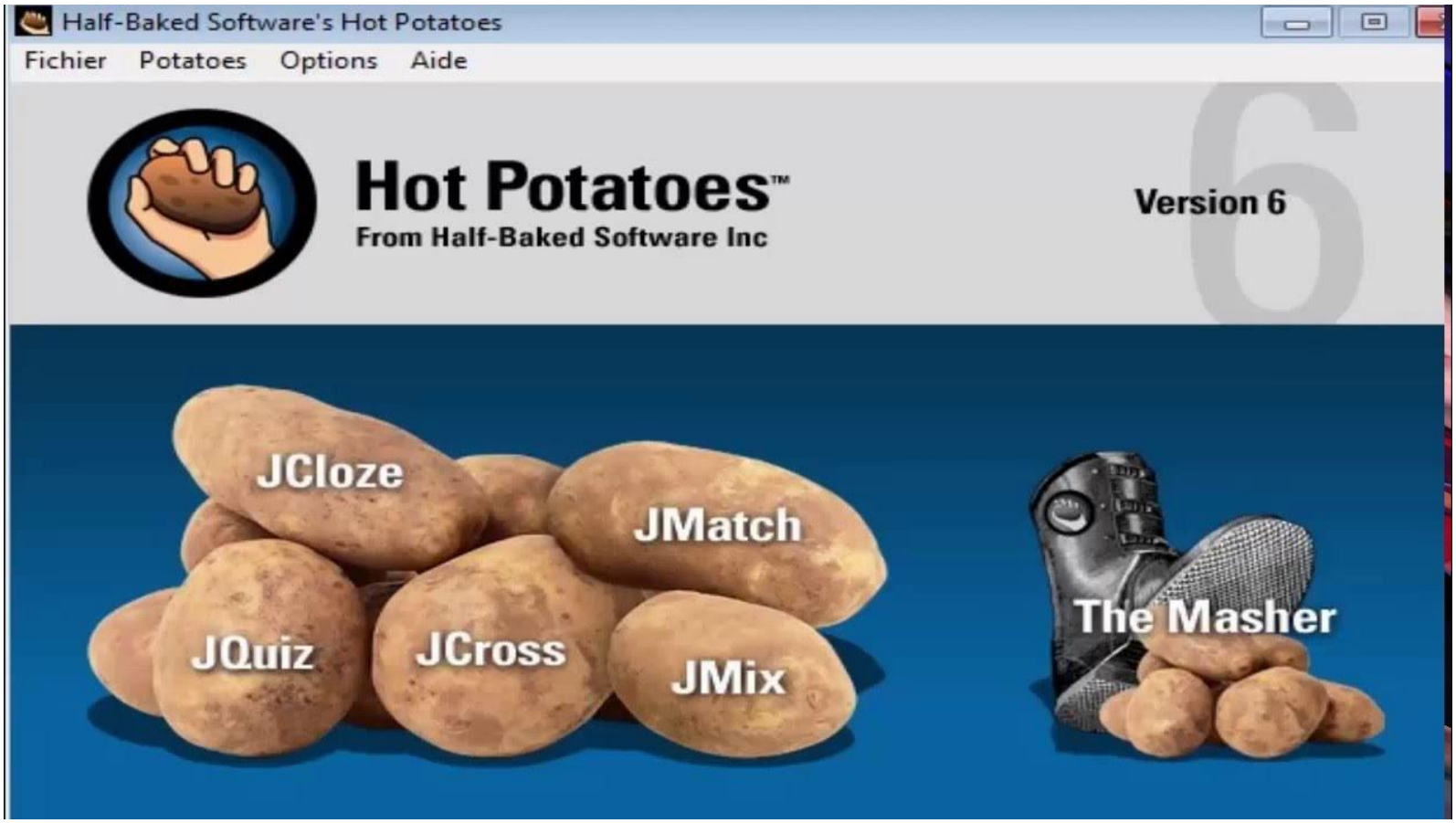
THANK YOU

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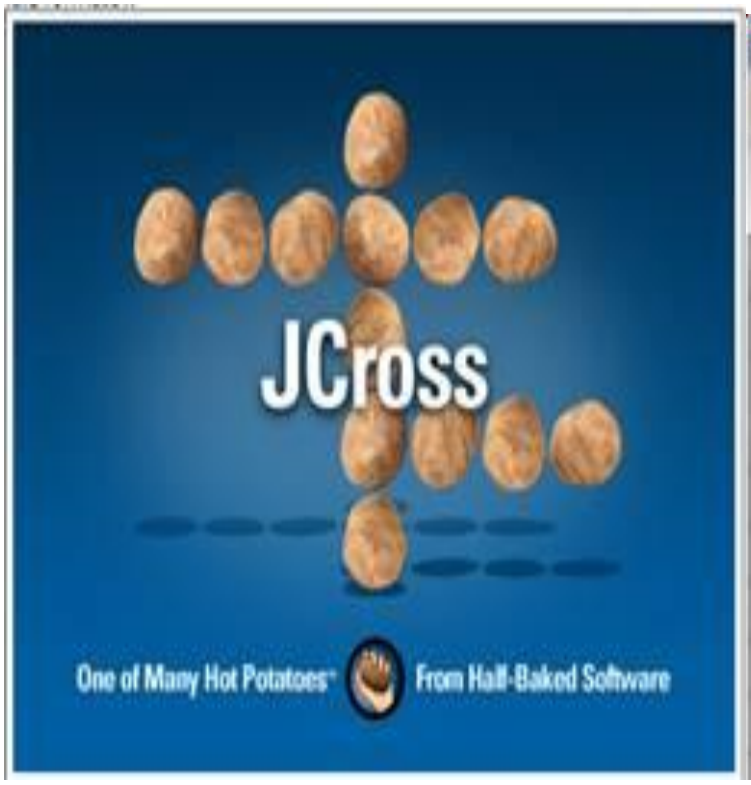
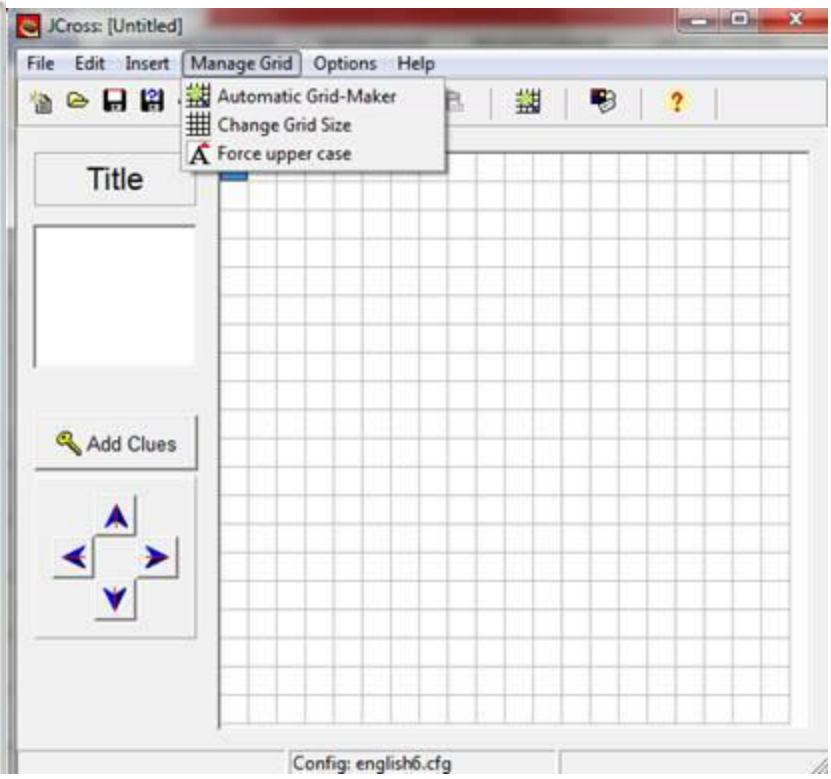
Fichier Potatoes Options Aide
Hot Potatoes™
From Half-Baked Software Inc
Version 6
JCloze
JMatch
JQuiz
JCross
JMix
The Masher


JCross
One of Many Hot Potatoes™
From Half-Baked Software


JCross: [Untitled]
File Edit Insert Manage Grid Options Help
Automatic Grid-Maker
Change Grid Size
Force upper case
Title
Add Clues
Config: english6.cfg

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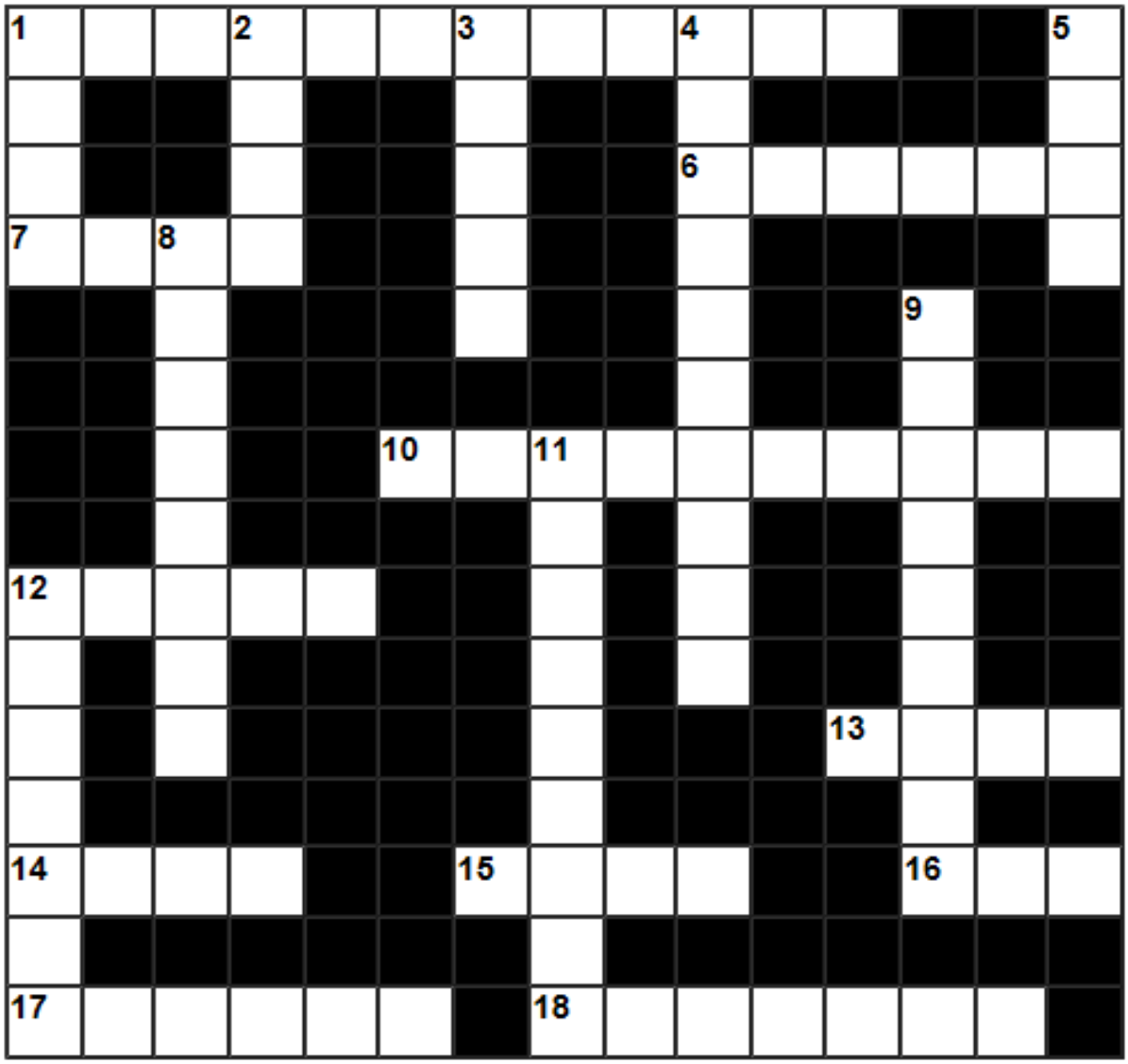
DEPATRMENT OF CIVIL ENGINEERING

CE 8402 – STRENGTH OF MATERIALS II

PCE ACTIVITY- CROSSWORD

Name	**:**	**Roll No**	**:**
Class	**: II Civil**	**Date**	**:**
Maximum Marks	**: 20**		

Crossword



Across:

1 Energy stored in a body when strained within elastic limits _____

6 _____ is used to produce due to temperature variation in indeterminate structures.

7 In cantilever beams, the maximum deflection occurs at _____ End.

10 Prop reduces _____ in the beam.

12 Unit of Deflection is _____

13 _____ is a structural member which undergoes deflection.

14 In cantilever beams, the extra support is known as _____

15 In fixed beams, the slope at the supports be _____.

16 The Bending Moment at fixed end of a cantilever beam of length 'l' carrying a UVL of 'w' per unit length will be w.l.l / _____(Answer in WORDS).

17 Unit of force is _____

18 In simply supported beams, the slope is _____ at supports.

Down:

1 _____ Weight of the beam is to considered for designing a beam.

2 _____ is not designed under torsion equation

3 If diameter of a shaft is doubled the power transmitted capacity will be_____ times.

4 The capacity of a strained body for doing work on the removal of the straining force, is called _____

5 In a tensile test on mild steel specimen, the breaking stress as compared to ultimate tensile stress is _____

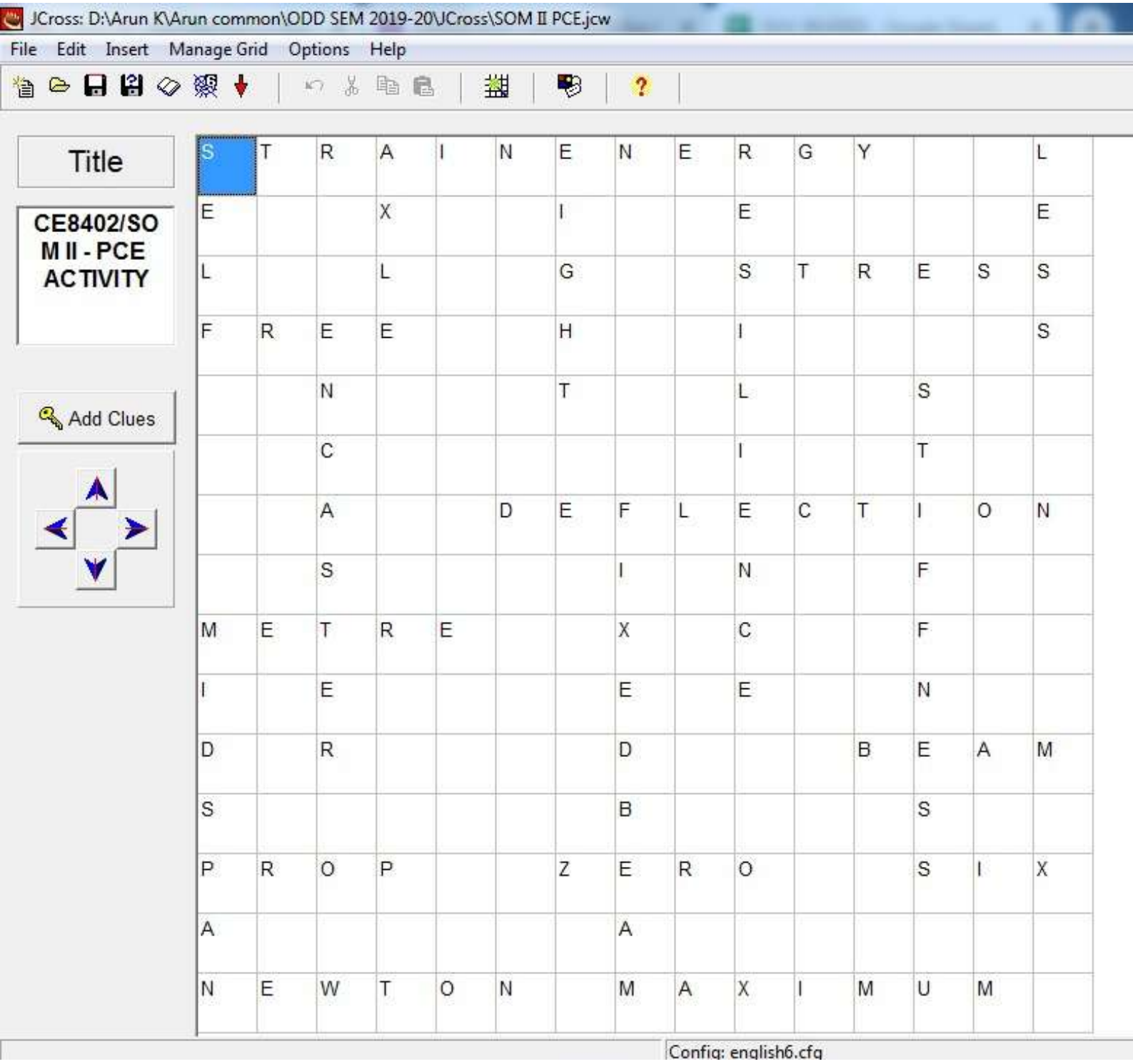
8 Fixed beam is also known as _____ Beam

9 _____ of a beam is a measure of its resistance against deflection.

11 A beam which is inbuilt in at its support is called _____

12 In simply supported beam deflection is maximum at _____.

---------- X ----------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S I N F
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DEPARTMENT OF CIVIL ENGINEERING

VIRTUAL LAB SESSIONS

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CERT ISO 9001

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2017-2018 (ODD SEMESTER)
VIRTUAL LAB SESSIONS

Venue: CADD LAB

Date: 5th & 6th SEP, 2017
Time: 3:00 – 4:30pm

Background & Objective

Department of Civil Engineering has conducted Virtual lab sessions on 5th & 6th SEP, 2017 for III year civil students at Kings College of Engineering.

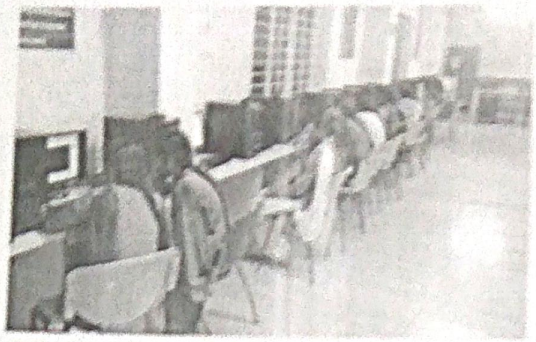
It aims to provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars. In view to it, Mr.K.Arun, AP/Civil is made incharge for conducting virtual lab sessions in the selected topics.

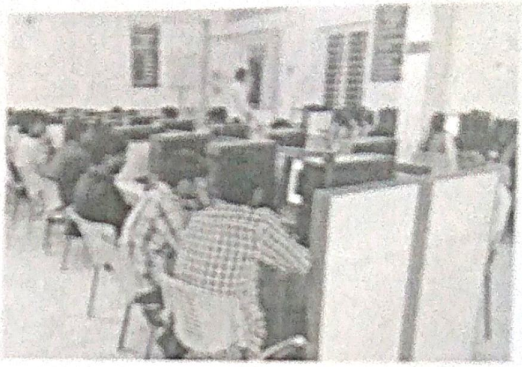
Thematic Session

In this Thematic Session, Mr.K.Arun, AP/Civil, explained the theme of the virtual lab sessions, which is most appropriate theme in today's environment. Web enabled experiments can be designed for remote operation and viewing so as to enthuse the curiosity and innovation into students. This would help in learning basic and advanced concepts through remote experimentation. Today most equipment has a computer interface for control and data storage. It is possible to design good experiments around some of this equipment which would enhance the learning of a student. Internet-based experimentation further permits use of resources, knowledge, software, and data available on the web, apart from encouraging skillful experiments being simultaneously performed at points separated in space (and possibly, time).

General Notes

For III Year civil students virtual lab sessions were conducted on soil mechanics laboratory. Soil is one of the very important engineering materials. Properties of the soil can be determined by both field and laboratory test methods. The soil mechanics and foundation engineering laboratory is a compulsory and basic undergraduate course where introduction to Geotechnical Engineering will be provided and also for graduate level research students. The use of the virtual laboratory allows the students to understand the complexity in the information associated with the laboratory experiments and also to exercise the same in numerous ways in the web which is not easily experimented in the traditional laboratory.





Virtual lab sessions

Salient Features

- Virtual Labs will provide to the students the result of an experiment by one of the following methods (or possibly a combination)
- Modeling the physical phenomenon by a set of equations and carrying out simulations to yield the result of the particular experiment. This can, at-the-best, provide an approximate version of the 'real-world' experiment.
- Poviding measured data for virtual lab experiments corresponding to the data previously obtained by measurements on an actual system.
- Remotely triggering an experiment in an actual lab and providing the student the result of the experiment through the computer interface. This would entail carrying out the actual lab experiment remotely.

Outcome

Virtual Labs will be more effective and realistic because of providing additional inputs to the students like accompanying audio and video streaming of an actual lab experiment and equipment. Students will easily understand the concepts and methods by virtually seeing the experiments instead of listening to lectures. For the 'touch and feel' part, the students can possibly visit an actual laboratory for a short duration. With in the virtualization of the laboratory experiments, the students can explore the experimental procedures prior to actually performing it in the laboratory, and are therefore being much more informed on what is to be done in the laboratory and what results to expect.

28/9/18
IQAC COORDINATOR

3/10/17
HOD-CIVIL

3/10/17
PRINCIPAL

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CERT

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2017-2018 (EVEN SEMESTER)
VIRTUAL LAB SESSIONS

Venue: CADD LAB

Date: 8th & 9th MAR 2018
Time: 3:00 – 4:30pm

Background & Objective

Department of Civil Engineering has conducted Virtual lab sessions on 8th & 9th MAR, 2018 for III year & II year civil students at Kings College of Engineering. It aims to provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars. To enthuse students to conduct experiments, by arousing their curiosity.

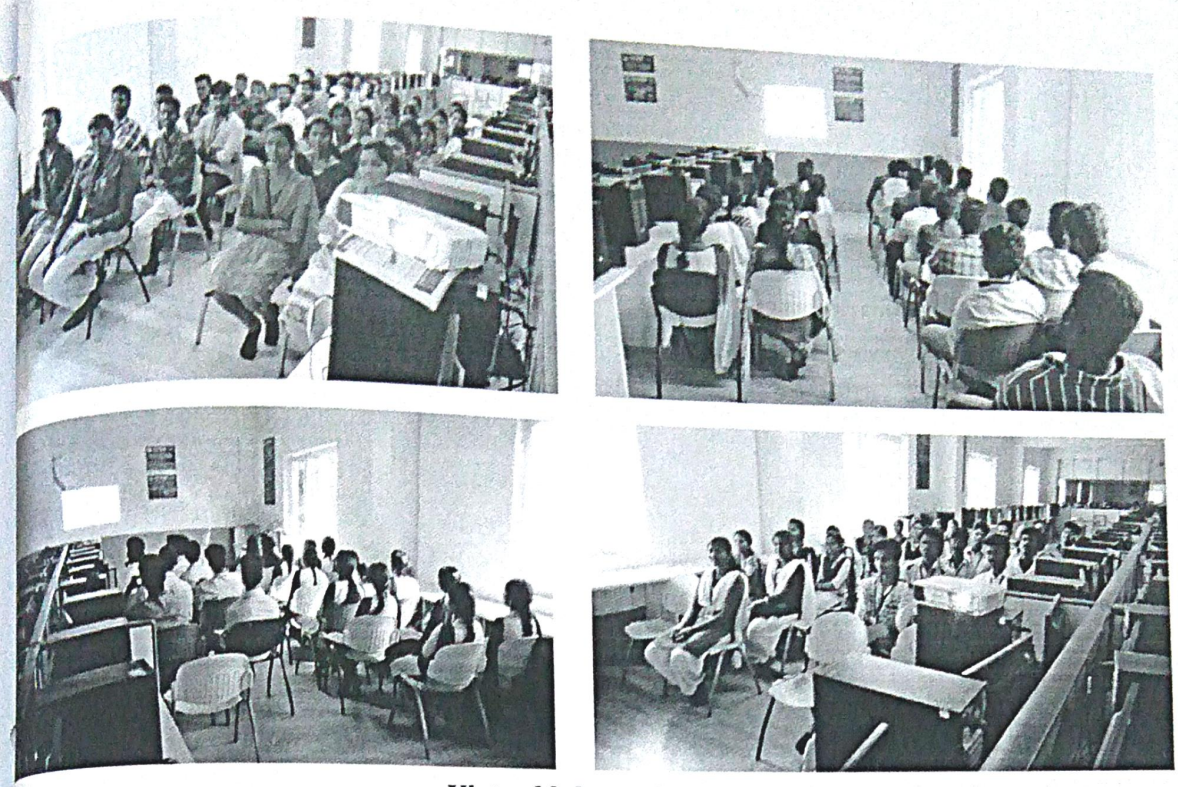
Thematic Session

In this Thematic Session, Mr.K.Arun, AP/Civil, explained the theme of the virtual lab sessions, which is most appropriate theme in today's environment. Web enabled experiments can be designed for remote operation and viewing so as to initiate the curiosity and innovation into students. This would help in learning basic and advanced concepts through remote experimentation. Virtual Labs are recreations of actual scientific experiments. Students are given background information on a topic, an explanation of the researcher's observations, and an overview of how they set up their experiment. Students have an opportunity to view before and after doing the experiment to gauge whether his or her understanding has increased, and to make the student more comfortable while doing experiments.

General Notes

For III Year civil students virtual lab sessions were conducted on soil mechanics laboratory. Soil is one of the very important engineering materials. Properties of the soil can be determined by both field and laboratory test methods. It is critical to quantify the various properties of soil in order to predict its behaviour under different loading conditions for the safe design of soil structures.

For II Year civil students virtual lab sessions were conducted on strength of materials laboratory. It presents the laboratory aspects of this subject, in an imaginary way. It is intended to give an experimental understanding and verification of the coursework covered in Strength of Materials. Students will have the opportunity to review the theory, appreciate the fundamental concepts through these virtual labs.



Virtual lab sessions

Outcome

- Virtual Labs will be more effective and realistic because of providing additional inputs to the students like accompanying audio and video streaming of an actual lab experiment and equipment.
- Students will easily understand the concepts and methods by virtually seeing the experiments instead of listening to lectures. For the 'touch and feel' part, the students can possibly visit an actual laboratory for a short duration.
- With in the virtualization of the laboratory experiments, the students can explore the experimental procedures prior to actually performing it in the laboratory, and are therefore being much more informed on what is to be done in the laboratory and what results to expect.
- The use of the virtual laboratory allows the students to understand the complexity in the information associated with the laboratory experiments and also to exercise the same in numerous ways in the web which is not easily experimented in the traditional laboratory.

27/3/18
IQAC MEMBER

28/3/18
HOD-CIVIL

10/4/18
PRINCIPAL

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DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2018-2019 (EVEN SEMESTER)
VIRTUAL LAB SESSIONS

Background & Objective:

Department of Civil Engineering has conducted Virtual lab sessions for II year & III year civil students during the academic year 2018-19 (Even Semester). Laboratories are the important environment for students learning where students get hands on training. The main objective of the Virtual laboratory is to provide remote-access to Labs in various disciplines of Engineering. These Virtual Labs would cater to students at the undergraduate level, as well as to research scholars.

Thematic Session:

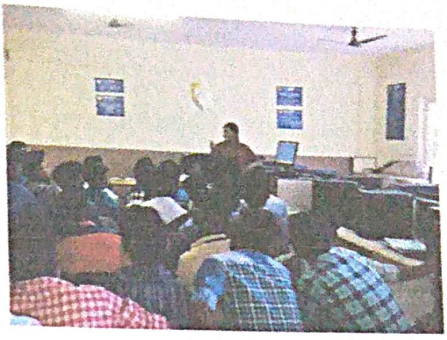
In this Thematic Session, Mr.K.Arun, AP/Civil, explained the theme of the virtual lab sessions, which is most appropriate theme in today's environment. Virtual Labs are recreations of actual scientific experiments. Students are given background information on a topic, an explanation of the researcher's observations, and an overview of how they set up their experiment. This would help in learning basic and advanced concepts through remote experimentation.

Virtual Lab Sessions:

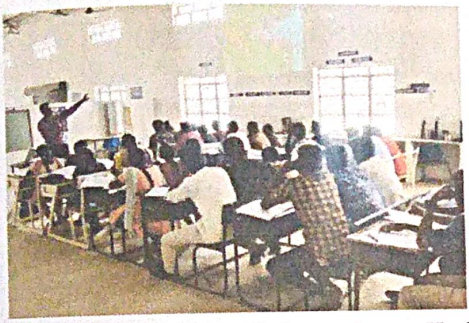
For III Year civil students virtual lab sessions were conducted on Environmental Engineering laboratory and Concrete & Highway Engineering Laboratory. Concrete is one of the very important engineering materials. It is critical to quantify the various properties of water in order to predict its behaviour under different conditions for the safe design of treatment plants.

For II Year civil students virtual lab sessions were conducted on strength of materials laboratory and Hydraulic Engineering Laboratory. It presents the laboratory aspects of this subject, in an imaginary way. Students have an opportunity to view before and after doing the experiment to gauge whether his or her understanding has increased, and to make the student more comfortable while doing experiments.

S No	YEAR / SEM	LAB NAME	STAFF INCHARGE
1	II/IV	CE8481 – STRENGTH OF MATERIALS LABORATORY	Mrs.M.Priya
2	II/IV	CE8461 – HYDRAULICS ENGINEERING LABORATORY	Mr.S.Kamaraj
3	III/VI	CE6611 – ENVIRONMENTAL ENGINEERING LABORATORY	Mrs.V.Ishwarya
4	III/VI	CE6612 – CONCRETE AND HIGHWAY ENGG. LABORATORY	Mr.S.R.Elwin Guru Chanth

Virtual lab sessions - Strength of Materials Laboratory




Virtual lab sessions - Hydraulics Engineering Laboratory


Virtual lab sessions - Concrete & Highway Engineering Laboratory


Virtual lab sessions - Environmental Engineering Laboratory

Outcome

- Virtual lab allows flexibility for the teacher who is not limited by using resources within a strict timeframe. Virtual Labs will be more effective and realistic because of providing additional inputs to the students like accompanying audio and video streaming of an actual lab experiment and equipment.
- Virtual lab showcase the content being taught, which will keep students interested, and provides a form of interaction that could not normally be easily conducted in the classroom.
- The students can explore the experimental procedures prior to actually performing it in the laboratory, and are therefore being much more informed on what is to be done in the laboratory and what results to expect.
- Students will easily understand the concepts and methods by virtually seeing the experiments instead of listening to lectures. For the 'touch and feel' part, the students can possibly visit an actual laboratory for a short duration.
- The use of the virtual laboratory allows the students to exercise the same in numerous ways in the web which is not easily experimented in the traditional laboratory.

22/2/19
IQAC MEMBER

22/2/19
HOD-CIVIL

23/2/19
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DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2019-2020 (ODD SEMESTER)
VIRTUAL LAB SESSIONS

22.08.2019

Background & Objective:

Department of Civil Engineering has conducted Virtual lab sessions for II year, III year & IV Year civil students during the academic year 2019-20 (Odd Semester). Laboratories are the important environment for students learning where students get hands on training. The main objective of the Virtual laboratory is to provide remote-access to Labs in various disciplines of Engineering. These Virtual Labs would cater to students at the undergraduate level, as well as to research scholars. In the Thematic Session, Mr.K.Arun, AP/Civil, explained the theme of the virtual lab sessions. This would help in learning basic and advanced concepts through remote experimentation.

Virtual Lab Sessions:

For IV Year civil students virtual lab sessions were conducted on Computer Aided design and Drafting laboratory. AUTOCAD is the important Civil Engineering software where you can give shape to your dream buildings. It is necessary for each and every Civil Engineer to draft their ideas and AUTOCAD plays a major role in drafting.

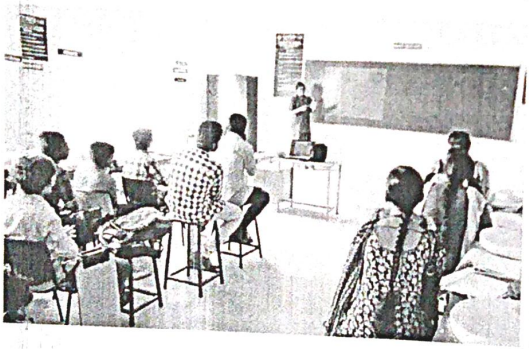
For III Year civil students virtual lab sessions were conducted on Soil Mechanics Laboratory and Water & Waste Water Analysis Laboratory. Soil properties are required to decide the building foundation. It is critical to quantify the various properties of water in order to predict its behaviour under different conditions for the safe design of treatment plants.

For II Year civil students virtual lab sessions were conducted on Construction Materials laboratory and Surveying Laboratory. It presents the laboratory aspects of this subject, in an imaginary way. Students have an opportunity to view before and after doing the experiment to gauge whether his or her understanding has increased, and to make the student more comfortable while doing experiments.

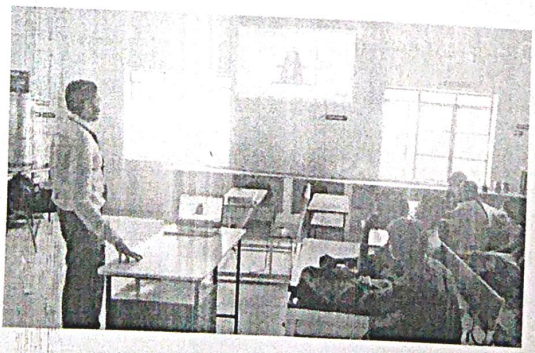
S No	YEAR / SEM	LAB NAME	STAFF INCHARGE
1	IV/VII	CE6711 – COMPUTER AIDED DESIGN AND DRAFTING LABORATORY	Mrs.T.Bhuvaneswari Mrs.M.Priya
2	III/V	CE8511 – SOIL MECHANICS LABORATORY	Mr.K.Ranjith
3	III/V	CE8512 – WATER & WASTE WATER ANALYSIS LABORATORY	Mrs.V.Ishwarya
4	II/III	CE8311 – CONSTRUCTION MATERIALS LABORATORY	Mr.R.Sundharam
5	II/III	CE8361 – SURVEYING LABORATORY	Mr.M.Mohamed Ilyas


Virtual lab sessions - Computer Aided Design and Drafting Laboratory

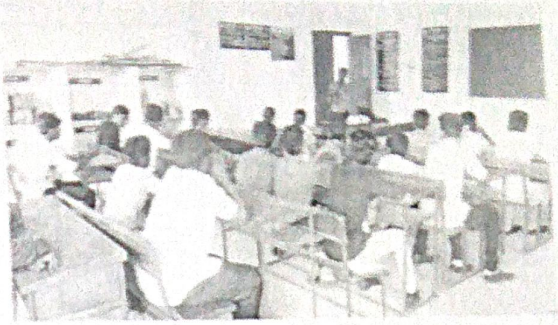

Virtual lab sessions – Soil Mechanics Laboratory




Virtual lab sessions - Water & Waste Water Analysis Laboratory




Virtual lab sessions - Construction Materials Laboratory



Virtual lab sessions - Surveying Laboratory

Outcome

- Virtual lab showcase the content being taught, which will keep students interested, and provides a form of interaction that could not normally be easily conducted in the classroom.
- Virtual lab allows flexibility for the teacher who is not limited by using resources within a strict timeframe. Virtual Labs will be more effective and realistic because of providing additional inputs to the students like accompanying audio and video streaming of an actual lab experiment and equipment.
- The students can explore the experimental procedures prior to actually performing it in the laboratory, and are therefore being much more informed on what is to be done in the laboratory and what results to expect.
- The use of the virtual laboratory allows the students to exercise the same in numerous ways in the web which is not easily experimented in the traditional laboratory.
- Students will easily understand the concepts and methods by virtually seeing the experiments instead of listening to lectures. For the 'touch and feel' part, the students can possibly visit an actual laboratory for a short duration.
- Around 25 - II year, 35-III year & 50-IV Year civil students were benefited using virtual lab sessions.

K. 23/08/19
IQAC MEMBER

23/8/19
HOD-CIVIL

23/8/19
VP

J. Nowrathi 23/8/19.
PRINCIPAL

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DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2020-2021 (ODD SEMESTER)
VIRTUAL LAB SESSIONS

25.01.2021

Background & Objective:

Department of Civil Engineering has conducted Virtual lab sessions for II year, III year & IV Year civil students during the academic year 2020-21 (Odd Semester). Laboratories are the important environment for students learning, where students get hands on training. During the pandemic period, Virtual labs play a major role in providing remote-access to the laboratories for the students. This would help in learning basic and advanced concepts through remote experimentation even during the pandemic situation as well as the teaching learning process can be excelled.

Virtual Lab Sessions:

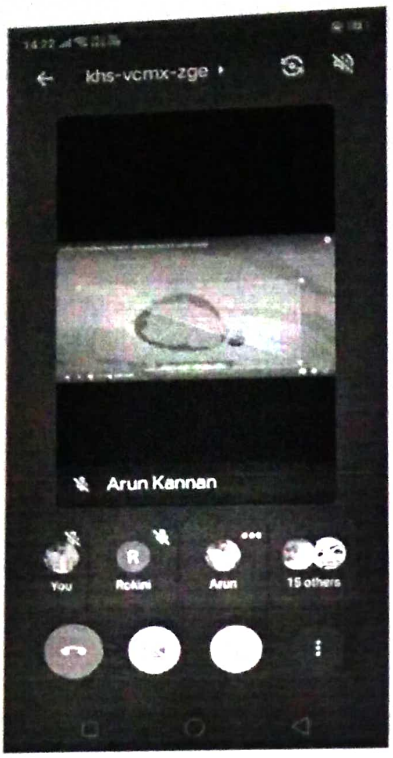
For II Year civil students virtual lab sessions were conducted on Construction Materials laboratory and Surveying Laboratory. It presents the laboratory aspects of this subject, in an imaginary way. Students have an opportunity to view before and after doing the experiment to gauge whether his or her understanding has increased, and to make the student more comfortable while doing experiments.

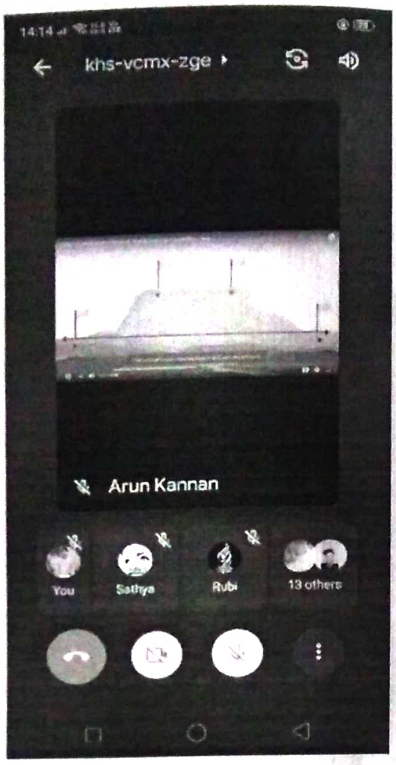
For III Year civil students virtual lab sessions were conducted on Soil Mechanics Laboratory and Water & Waste Water Analysis Laboratory. Soil properties are required to decide the building foundation. It is critical to quantify the various properties of water in order to predict its behaviour under different conditions for the safe design of treatment plants.

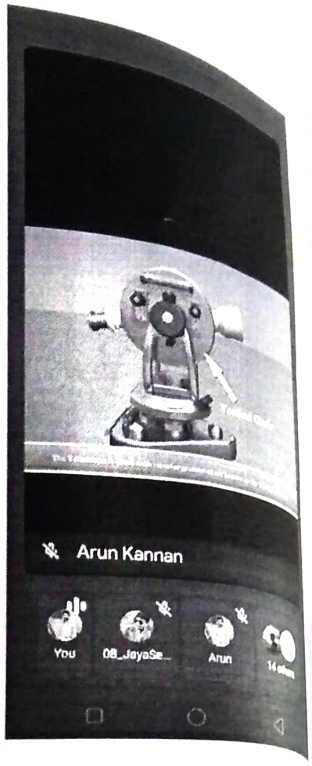
For IV Year civil students, in curriculum we have only project work. But virtual lab sessions were also conducted for them in order to enhance their laboratory skills. Virtual lab sessions were conducted on Strength of Materials Laboratory, Structural Dynamics laboratory and Transportation Engineering Laboratory.

S.NO	YEAR/SEM	LAB NAME	STAFF INCHARGE
1	II/III	Surveying Laboratory	Mr.K.Arun, AP/Civil
2	II/III	Construction Material Laboratory	Mr.R.Sundharam, AP/Civil
3	III/V	Waste Water Engineering laboratory	Ms.V.Ishwarya, AP/Civil
4	III/V	Soil Mechanics laboratory	Ms.M.Priya, AP/Civil
5	IV/VII	Structural Dynamics Lab	Mr.S.R.Elwin Guru Chanth, AP/Civil
6	IV/VII	Strength of Material lab	Ms.R.Revathi, HoD/Civil
7	IV/VII	Transportation Engineering Lab	Ms.K.Jeyashankari, AP/Civil

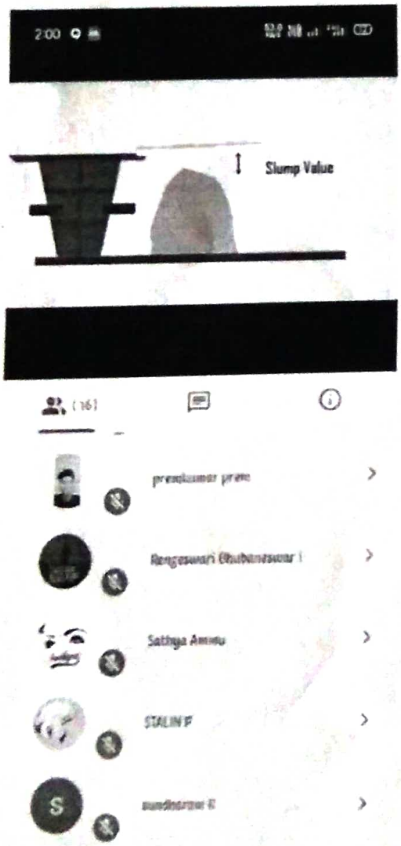
II Yr Virtual Lab Sessions

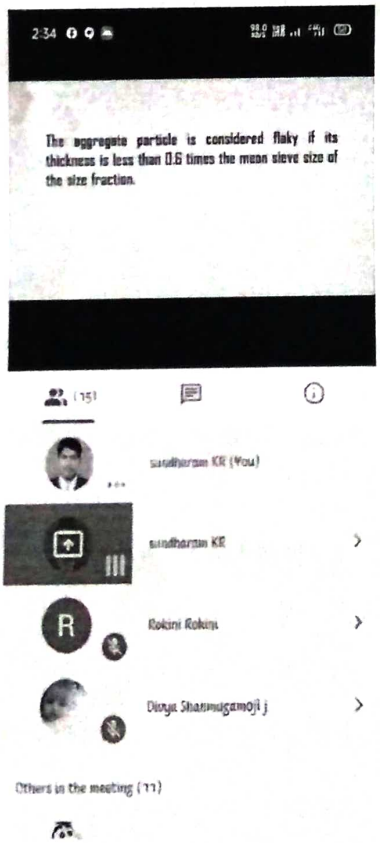


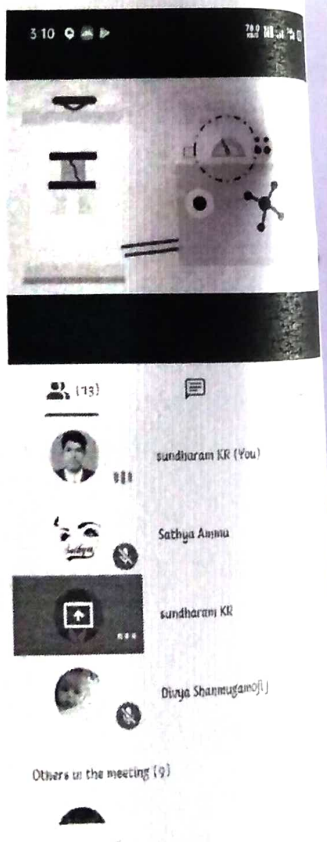




Surveying Laboratory by Mr.K.Arun, AP/Civil

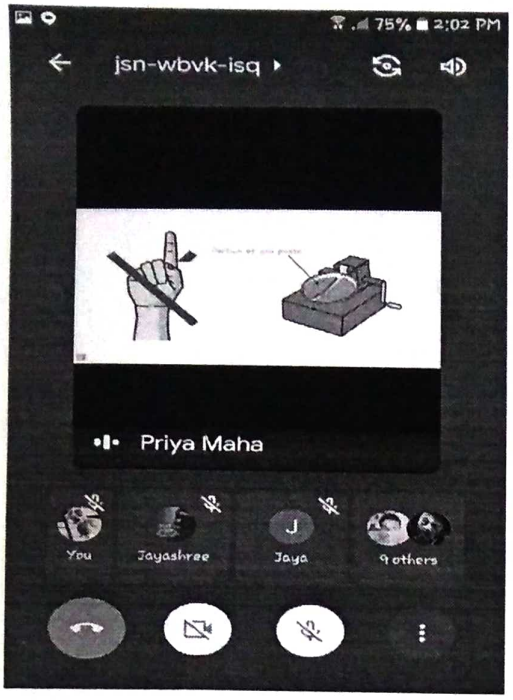


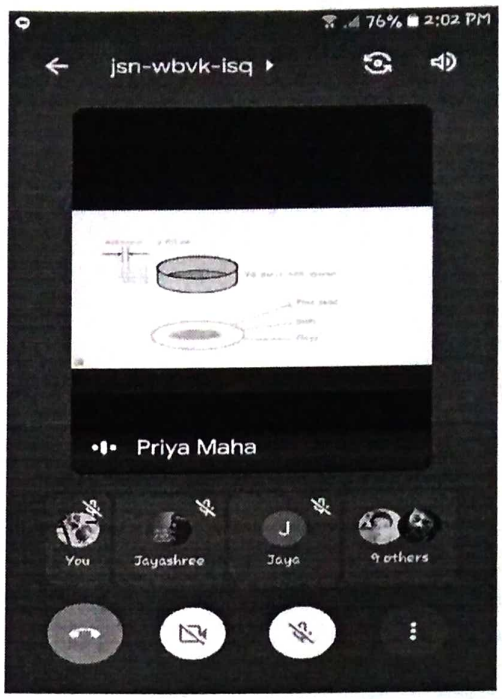




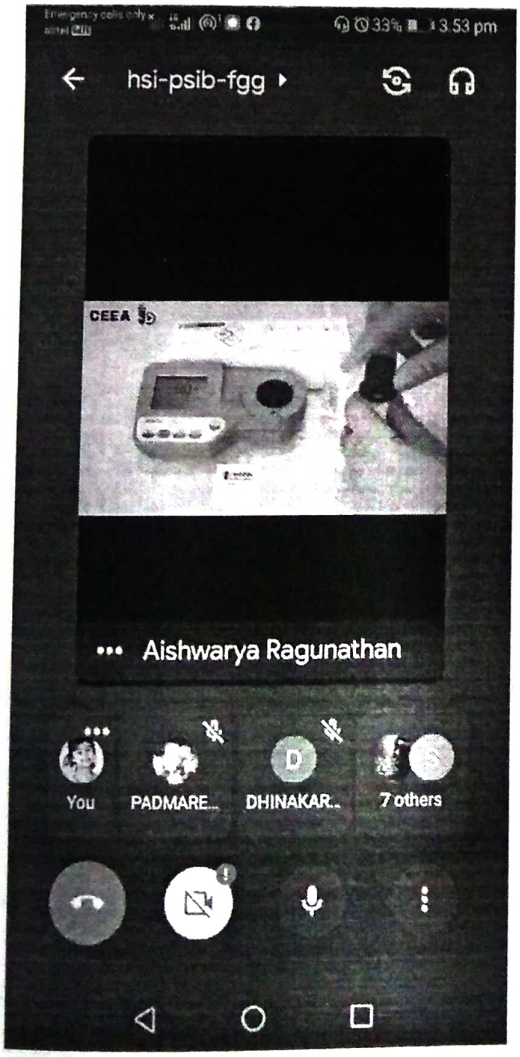
Construction Materials Laboratory by Mr.R.Sundharam, AP/Civil

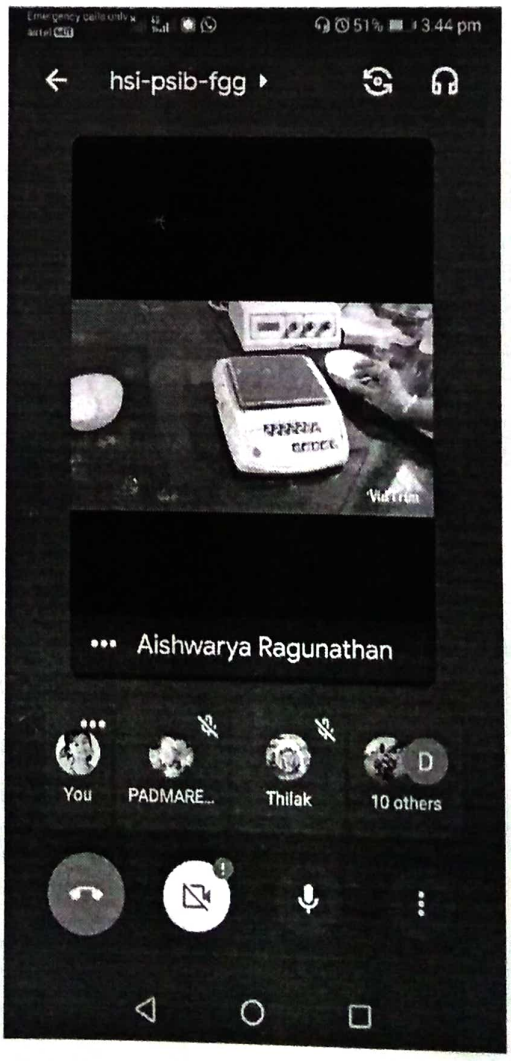
III Yr Virtual Lab Sessions





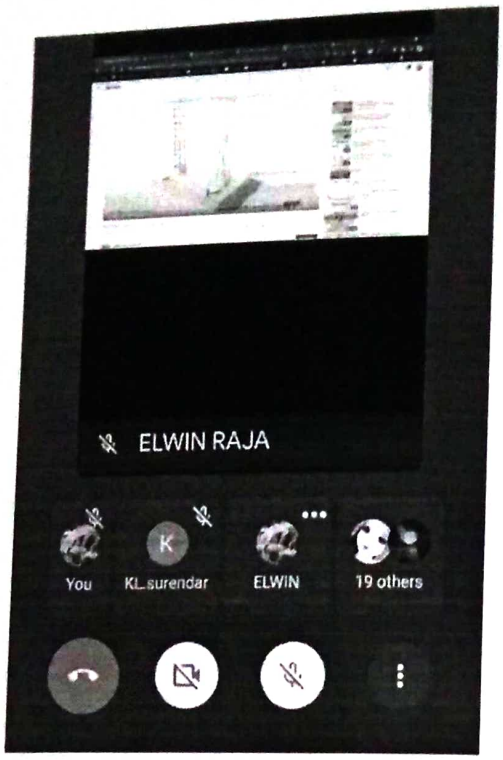
Soil Mechanics Laboratory by Ms.M.Priya, AP/Civil

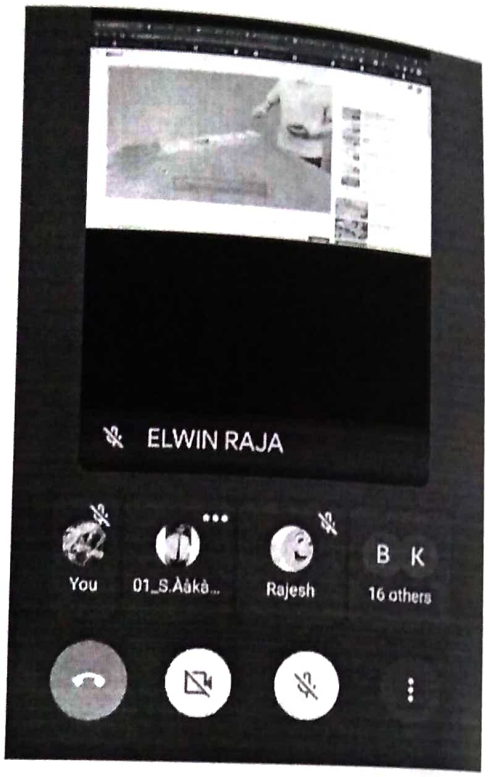




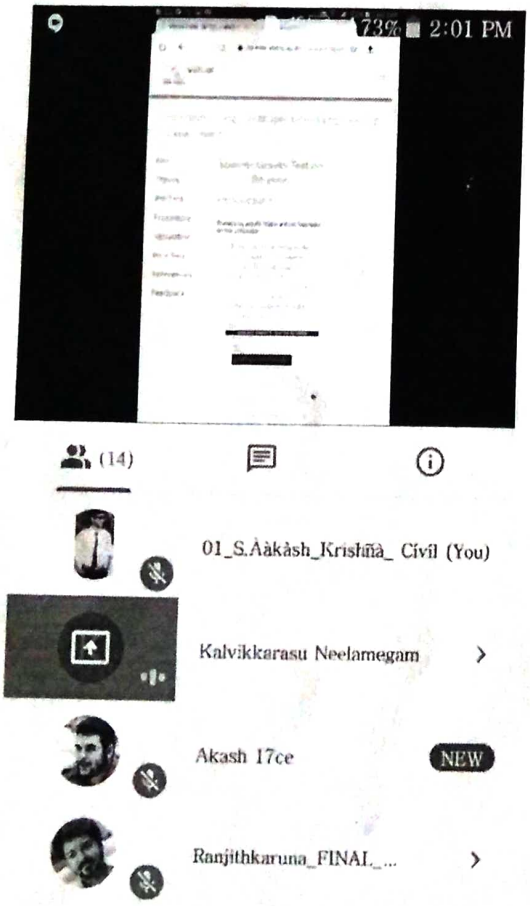
Water & Waste Water Analysis Laboratory by Ms.V.Ishwarya, AP/Civil

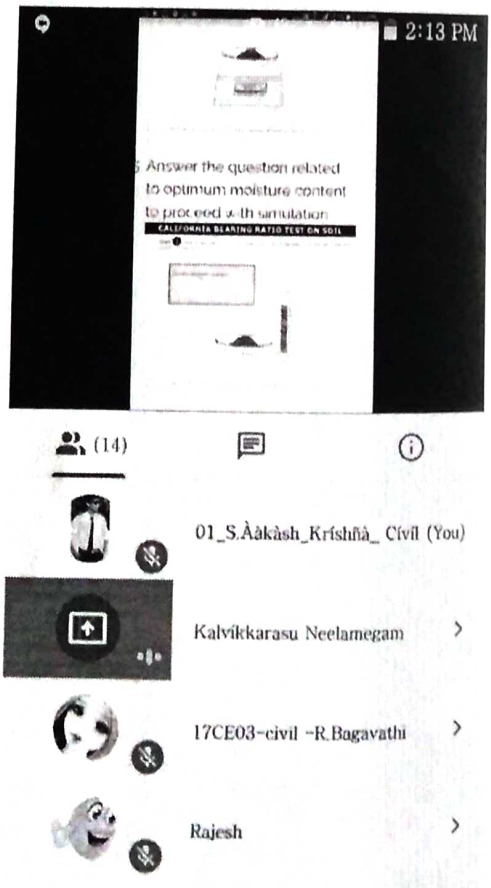
IV Yr Virtual Lab Sessions



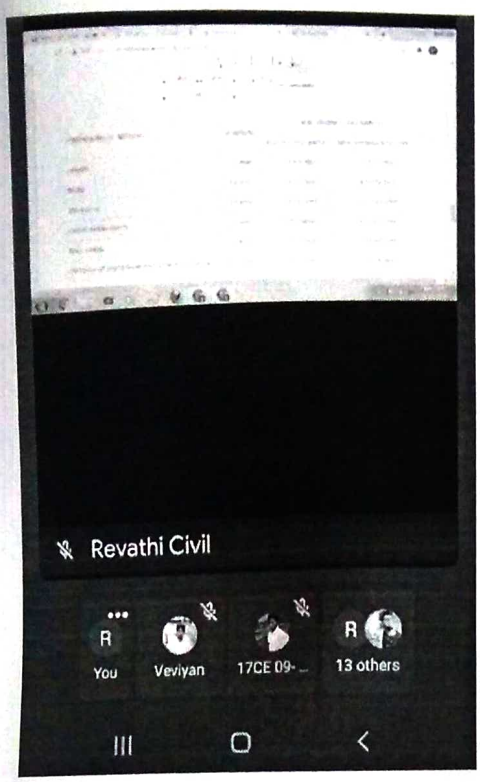


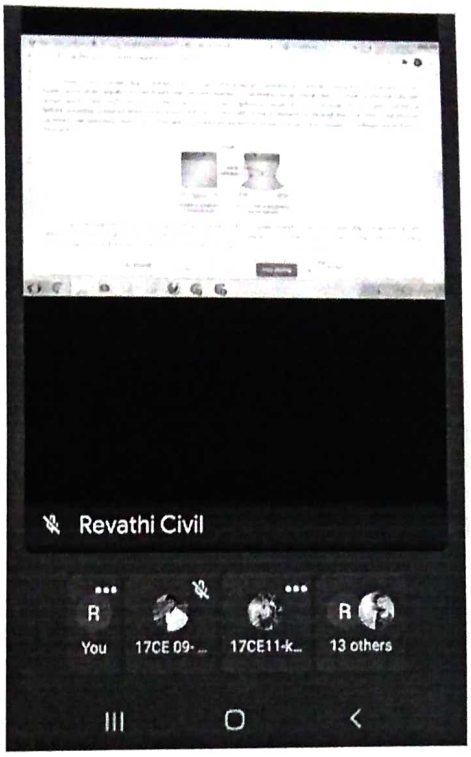
Structural Dynamics Laboratory by Mr.S.R.Elwin Guru Chanth, AP/Civil





Transportation Engineering Laboratory by Ms.K.Jeyashankari, AP/Civil





Strength of Materials Laboratory by Ms.R.Revathi, HoD/Civil

Outcome

- Virtual lab allows flexibility for the teacher who is not limited by using resources within a strict timeframe.
- Virtual Labs will be more effective and realistic because of providing additional inputs to the students like accompanying audio and video streaming of an actual lab experiment and equipment.
- The students can explore the experimental procedures prior to actually performing it in the laboratory, and are therefore being much more informed on what is to be done in the laboratory and what results to expect.
- The use of the virtual laboratory allows the students to exercise the same in numerous ways in the web which is not easily experimented in the traditional laboratory.
- Virtual lab showcase the content being taught, which will keep students interested, and provides a form of interaction that could not normally be easily conducted in the classroom.
- Students will easily understand the concepts and methods by virtually seeing the experiments instead of listening to lectures.
- Around 19 - II year, 28-III year & 39-IV Year civil students were benefited using virtual lab sessions.

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DEPARTMENT OF CIVIL ENGINEERING

NPTEL SESSIONS

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INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2017-2018 / ODD SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT : CIVIL

CLASS: II CIVIL

ub de	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
351	Transforms and Partial Differential Equations	Unit 3 – One dimensional equation of heat condition	20/7/17	Ms.G.Ramya Arockiamary	
351	Environmental Science and Engineering	Unit 1 – Aquatic Ecosystems Unit 2 – Soil Pollution	30/6/17 21/7/17	Dr.P.Saravanan	
301	Engineering Geology	Unit 4 – Study of structures - Folds, Faults	17/8/17	Mr.M.Mohamed Iliyas	31/8/17
302	Mechanics of Solids	Unit 3 – Macaulay's Method, Moment Area Method	10/8/17	Mr.K.Arun	31/8/17
303	Mechanics of Fluids	Unit 3 – Pipes in series and Parellel	21/8/17	Dr.R.Saravanan	
304	Surveying I	Unit 4 – Characteristics and uses of contours, plotting	30/8/17	Mr.G.Venkatesan	31/8/17

CLASS: III "A" CIVIL

501	Structural Analysis I	Unit 5 – Continuous Beams	4.9.17	Ms.R.Revathi	4/9/17
502	Foundation Engineering	Unit 2 – Bearing capacity for insitu tests	11/7/17	Mr.A.Mohamed Mansoor	31/8/17
503	Environmental Engineering I	Unit 2 – Transmission main design and laying	18/7/17	Ms.G.Sofia	8/8/17
504	Highway Engineering	Unit 4 – Glass fiber, Plastic, Geo textiles, Geo membrane	04/09/17	Mr.R.Jeevanesan	04/9/17
505	Design of Reinforced Concrete Elements	Unit 2 - Analysis and design of singly and doubly reinforced rectangular beams	11/7/17	Ms.S.Vanathi	8/8/17
506	Construction Techniques, Equipment & Practice	Unit 3 – Piling Techniques Unit 5 – Equipment for compaction , mixing, concreting	01/08/17 09/09/17	Mr.M.Arun Pandiyan	7/9/17

CLASS: III "B" CIVIL

ub de	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
501	Structural Analysis I	Unit 5 – Continuous Beams	24.8.17	Ms.T.Bhuvaneshwari	24/8/17
502	Foundation Engineering	Unit 2 – Bearing capacity for insitu tests	20/7/17	Mr.R.Jeevanesan	20/7/17
503	Environmental Engineering I	Unit 2 – Transmission main design and laying	17.7.17	Mr.G.Venkatesan	31/8/17
504	Highway Engineering	Unit 4 – Glass fiber, Plastic, Geo textiles, Geo membrane	8.9.17	Ms.D.Sharmila	8/9/17
505	Design of Reinforced Concrete Elements	Unit 3 - Design of RC members for combined bending shear and torsion.	11.8.17	Mr.R.Sundharam	11/8/17
506	Construction Techniques, Equipment & Practice	Unit 5 – Equipment for compaction , mixing, concreting	12/9/17	Ms.G.Sofia	12/9/17

CLASS: IV "A" CIVIL

Sub Code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
701	Structural Dynamics and Earthquake Engineering	Unit 1 - Degree of freedom Unit 2 - Damped and Undamped MDOF system.	23/6/17 14/7/17	Mr.M.Rajiv	M. Raj 11/8/17
702	Prestressed Concrete Structures	Unit 1 -Systems and method of prestressing, Analysis of sections	22.6.17	Ms.R.Revathi	11/8/17
703	Water Resource and Irrigation Engineering	Unit 2 – Consumptive and non-consumptive water use	14/07/17	Mr.M.Arun Pandiyan	15/8
704	Estimation and Quantity Surveying	Unit 3 – Analysis of Rates	7/8/17	Mr.A.Mohammed Mansoor	31/8/17
007	Housing Planning and Management	Unit 2 - Rental Housing, Cooperative Housing	13/7/17	Ms.K.Gowri Devi	7/8/17
011	Air Pollution Management	Unit 4 - Preventive measures & Air pollution control efforts	24/8/17	Mr.K.Arun	28/08/17

CLASS: IV "B" CIVIL

Sub Code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
701	Structural Dynamics and Earthquake Engineering	Unit 1 - Degree of freedom Unit 2 - Damped and Undamped MDOF system.	22/6/17 13/7/17	Mr.M.Rajiv	M. Raj 11/8/17
702	Prestressed Concrete Structures	Unit 1 -Systems and method of prestressing, Analysis of sections	23.6.17	Ms.S.Vanathi	S. Vanathi 8/8/17
703	Water Resource and Irrigation Engineering	Unit 2 – Consumptive and non-consumptive water use	20.7.17	Mr.R.Sundharam	7/8/17
704	Estimation and Quantity Surveying	Unit 3 – Analysis of Rates	25.07.17	Ms.T.Bhuvaneswari	25/7/17
007	Housing Planning and Management	Unit 2 - Rental Housing, Cooperative Housing	13/7/17	Ms.K.Gowri Devi	7/8/17
011	Air Pollution Management	Unit 4 - Preventive measures & Air pollution control efforts	31.8.17	Ms.D.Sharmila	31/8/17

K. Arun 27/9/17
IQAC MEMBER
(K.ARUN)

J. Arputhi 3/10/17
PRINCIPAL
(Dr.J.ARPUTHA VIJAYA SELVI)

28/09/17
HOD/CIVIL
(Dr.R.SARAVANAN)

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INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2017-2018 / EVEN SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT : CIVIL

CLASS: II CIVIL

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA6459	Numerical Methods	Two Dimensional Poisson equations	13.03.18	Ms.S.Revathi	
CE6401	Construction Materials	High Strength Concrete UNIT-3	20.2.18	Ms.R.Revathi	2/3/18
CE6402	Strength of Materials	Rankine Gordon formula – UNIT – 3	03/2/18	Mr.K.Arun	28/2/18
CE6403	Applied Hydraulic Engineering	Specific energy (Topic no-6)	03/01/18	Mr.G.Venkatesan	3/2/18
CE6404	Surveying II	orbit determination and Representation (Unit-V)	03/03/18	Mr.K.Ranjith	
CE6405	Soil Mechanics	Soil classification – unit-I factors influencing Permeability of Soil – UNIT-II	21.12.18 17.1.18	Mr.S.R.Elwin Guru Chanth	2/3/18

CLASS: III "A" CIVIL

CE6601	Design of Reinforced Concrete & Brick Masonry Structures	Cantilever & Mat foundation	20.12.17 2.2.18	Ms.S.Vanathi	
CE6602	Structural Analysis II	Analysis of Continuous UNIT-III beam	30/1/18	Ms.R.Revathi	
CE6603	Design of Steel Structures	Design of single section Compression member	09/2/18	Mr.K.Ranjith	
CE6604	Railways, Airports and Harbour Engineering	Environmental Concern of Port operations – unit-5		Mr.S.R.Elwin Guru Chanth	2/3/18
CE6605	Environmental Engineering II	PRIMERY TREATMENT	09/02/18	Mr.M.Manimukilan	
CE6002	Concrete Technology	Mix Design Procedure	12/2/18	Mr.P.Karthik	6/3/18

CLASS: III "B" CIVIL

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
CE6601	Design of Reinforced Concrete & Brick Masonry Structures	cantilever retaining wall rectangular water tank	22/12/17 09/01/18	Mr.G.Venkatesan	9/1/18
CE6602	Structural Analysis II	Analysis of continuous UNIT-III beam	9/1/18	Ms.T.Bhuvaneswari	28/2/18
CE6603	Design of Steel Structures	Design of Purlin & element of truss Unit-V	06/03/18	Mr.R.Sundharam	
CE6604	Railways, Airports and Harbour Engineering	Harbour and Environmental Concern of Port operation	9/3/18	Mr.R.Jeevanesan Mr. Mohamed ilyas	28/2/18
CE6605	Environmental Engineering II	ACTIVATED SLUDGE PROCESS TRICKLING FILTERS (UNIT-IV)	23/2/18	Ms.D.Sharmila	28/2/18
CE6002	Concrete Technology	Test on cement – IS specifications	26-12-18	Mr.M.Manimukilan	

CLASS: IV "A" CIVIL

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MG6851	Principles of Management	Budgetary & Non Budgetary Control Techniques	8/2/18	Mr.B.Baran kumar	
CE6016	Prefabricated Structures	Case Studies on Prefabricated Buildings Unit-3	17/1/18	Mr.K.Arun	22/2/18
CE6021	Repair & Rehabilitation of Structures	Cathodic protection unit-IV	25/1/18	Mr.R.Sundharam	

CLASS: IV "B" CIVIL

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MG6851	Principles of Management	Budgetary & non budgetary Control techniques	01/02/18	Mr.K.Sudhakar	
CE6016	Prefabricated Structures	Case Studies, UNIT-III	6.1.18	Ms.T.Bhuvaneswari	25/2/18
CE6021	Repair & Rehabilitation of Structures	Cathodic protection - unit-IV	25/1/18	Dr.R.Saravanan	

22/2/18
IQAC Member
(K.ARUN)

26/3/18
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26/3/18
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KINGS COLLEGE OF ENGINEERING

INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2018-2019 / ODD SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT : CIVIL

CLASS: II CIVIL

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA8353	Transforms and Partial Differential Equations	UNIT-III One dimensional Heat equation.	17.9.18	Dr.R.Suresh	
CE8301	Strength of Materials I	Unit-3 - Concept of shearing force and bending moment	20/07/18	Ms.K.Aruna	
CE8302	Fluid Mechanics	Application of orifice, mouthpiece	31/07/18	Mr.K.Ranjith	
CE8351	Surveying	Satellite Stations reducing to centre	24/8/18	Mr.S.Kamaraj	
CE8391	Construction Materials	UNIT-3 Manufacturing process of cement	14/8/18	Mr.M.Mohamed Ilyas	
CE8392	Engineering Geology	UNIT-IV - Attitude of Beds.	3/9/18	Ms.V.Ishwarya	

CLASS: III CIVIL

CE6501	Structural Analysis I	UNIT-IV Continuous Beam	21/8/18	Ms.T.Bhuvaneswari	
CE6502	Foundation Engineering	Unit-2 determination of settlement	26/7/18	Mr.R.Sundharam	
CE6503	Environmental Engineering	Unit-3 Disinfection & Residue Management	30/8/18	Ms.D.Sharmila	
CE6504	Highway Engineering	UNIT-3 Soil Suitability - Road ecology	14/7/18	Mr.M.Mohamed Ilyas	
CE6505	Design of Reinforced Concrete Elements	Analysis and design of flanged beams.	24/07/18	Mr.K.Ranjith	
CE6506	Construction Techniques, Equipment and Practice	Earthmoving operations, Earthwork, Tractors, Scrapers (UNIT-V)	11/09/18	Mr.K.Arun	

CLASS: IV "A" CIVIL

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
CE6701	Structural Dynamics & Earthquake Engineering	UNIT-V - Guidelines for Earthquake resistance design	07/09/18	Mr.K.Arun	
CE6702	Prestressed Concrete Structures	UNIT-I - System & Method of Prestressing.	5/7/18	Ms.R.Revathi	
CE6703	Water Resources and Irrigation Engineering	Unit-2 Consumptive & Non Consumptive water use	24/7/18	Ms.D.Sharmila	
CE6704	Estimation and Quantity Surveying	Unit-5 analysis of rates	20/08/18	Mr.S.R.Elwin Guru Chanth	
CE6007	Housing Planning and Management	Unit-II Neibourhood planning.	27/7/18	Mr.M.Manimukilan	
CE6011	Air Pollution Management	UNIT-IV - Legislation & enforcement	03/09/18	Ms.T.Bhuvaneswari	

CLASS: IV "B" CIVIL

Code No	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
701	Structural Dynamics & Earthquake Engineering	Unit-II - Response Spectra	31.08.18	Ms.K.Aruna	
702	Prestressed Concrete Structures	Unit-1 - System & method of Prestressing	14.07.18	Mr.S.R.Elwin Guru Chanth	
6703	Water Resources and Irrigation Engineering	Consumptive and non Consumptive use	20.7.18	Mr.S.Kamaraj	
E6704	Estimation and Quantity Surveying	Unit-III Analysis of rate	24.08.18	Mr.M.Manimukilan	
CE6007	Housing Planning and Management	UNIT-IV; Green Building Concept	04/9/18	Ms.V.Ishwarya	
CE6011	Air Pollution Management	UNIT III Legislation & enforcement	5/9/18	Mr.R.Sundharam	

03/10/18
IQAC MEMBER
(K.ARUN)

3/10/18
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5.10.18
PRINCIPAL
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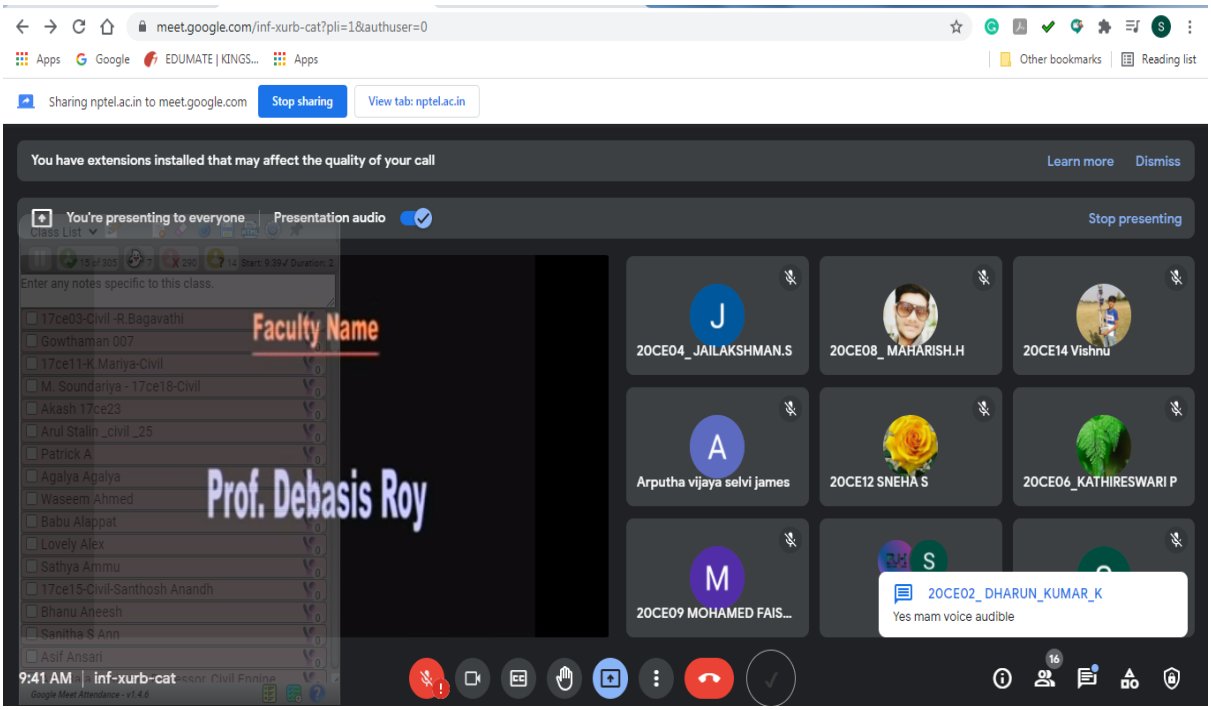
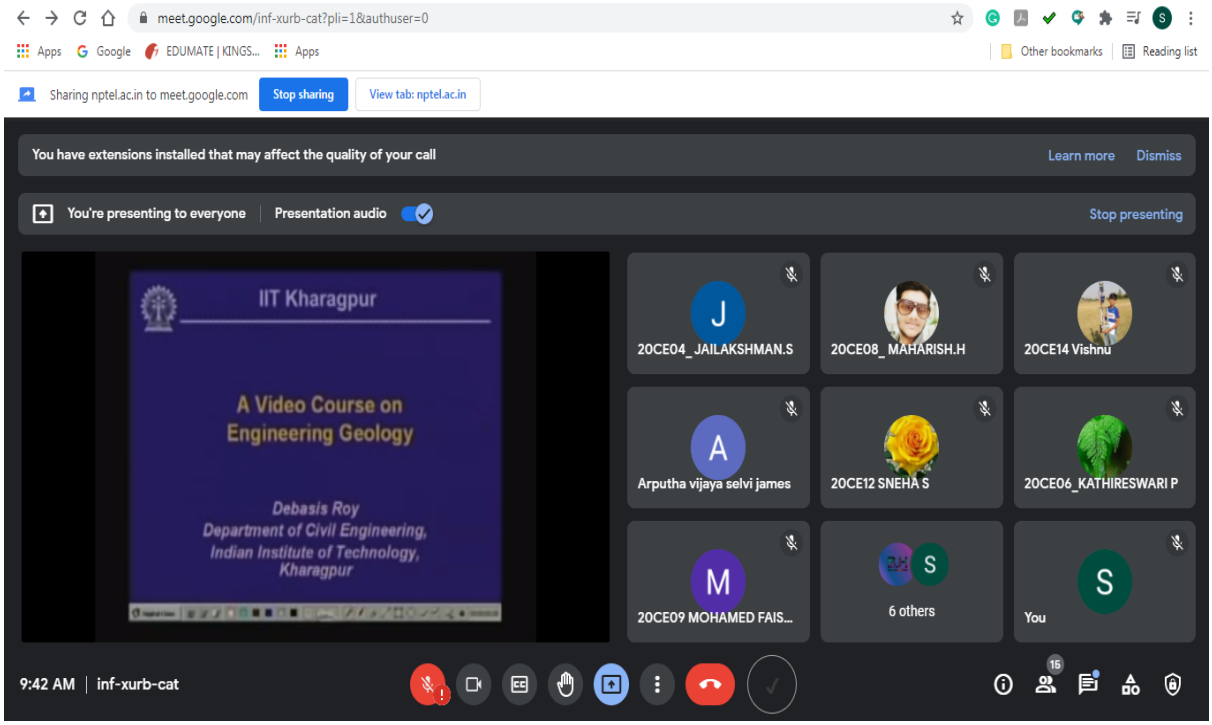
NPTEL SESSIONS



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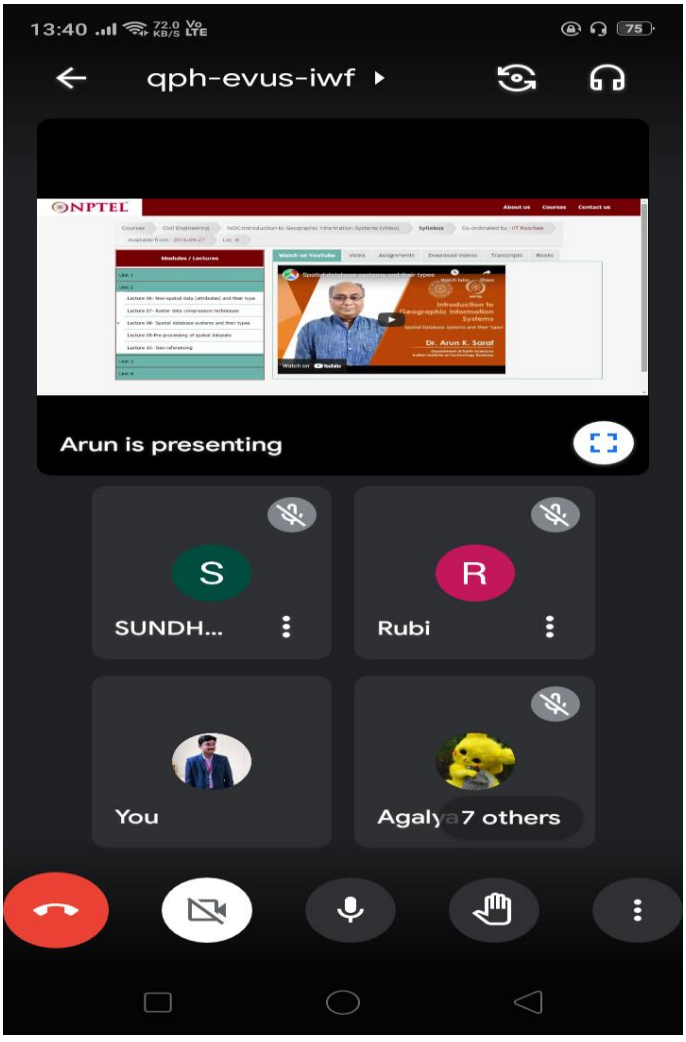
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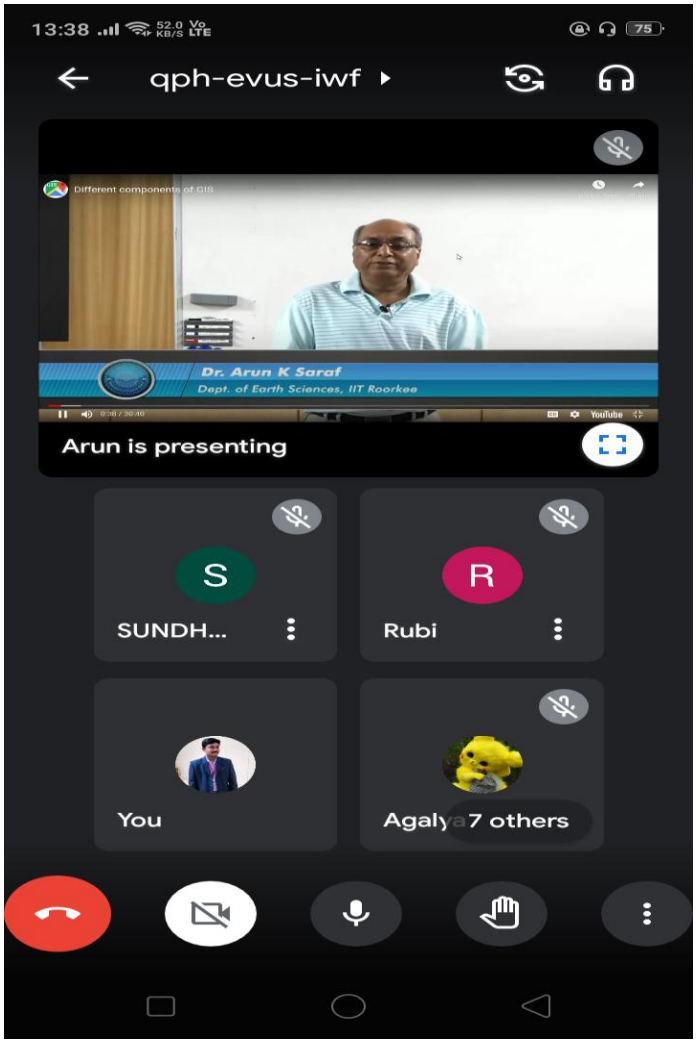
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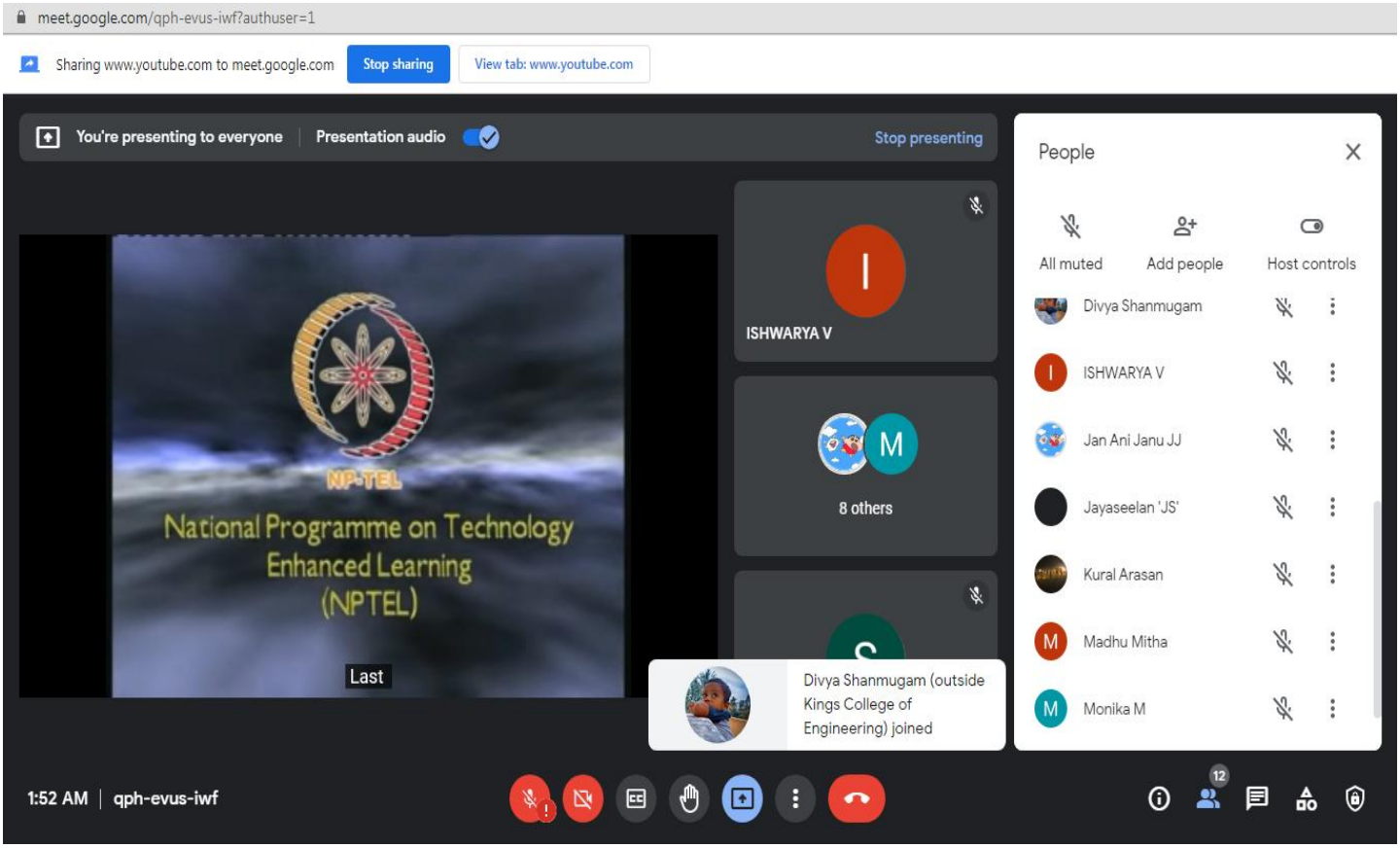
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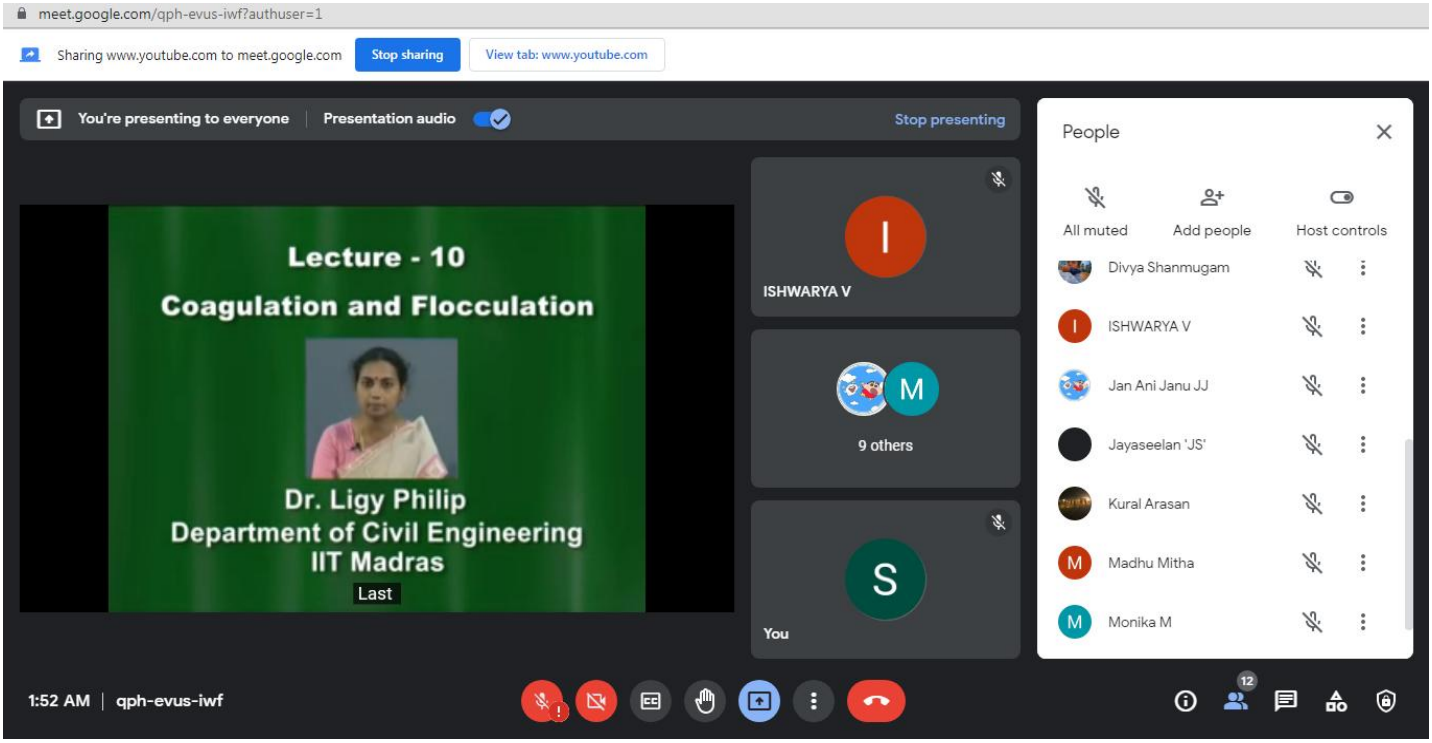
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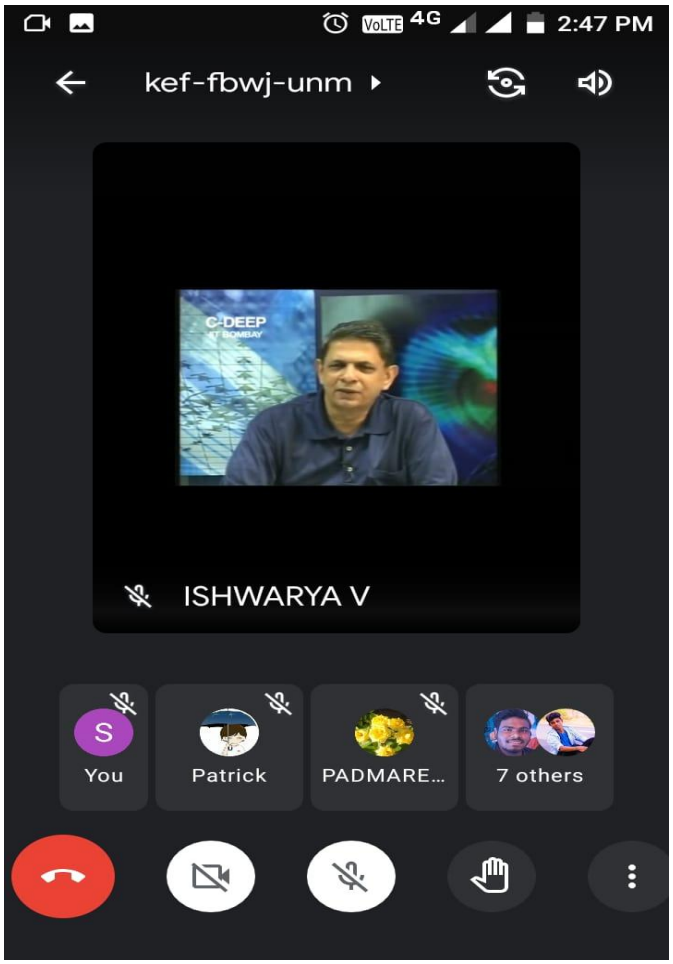
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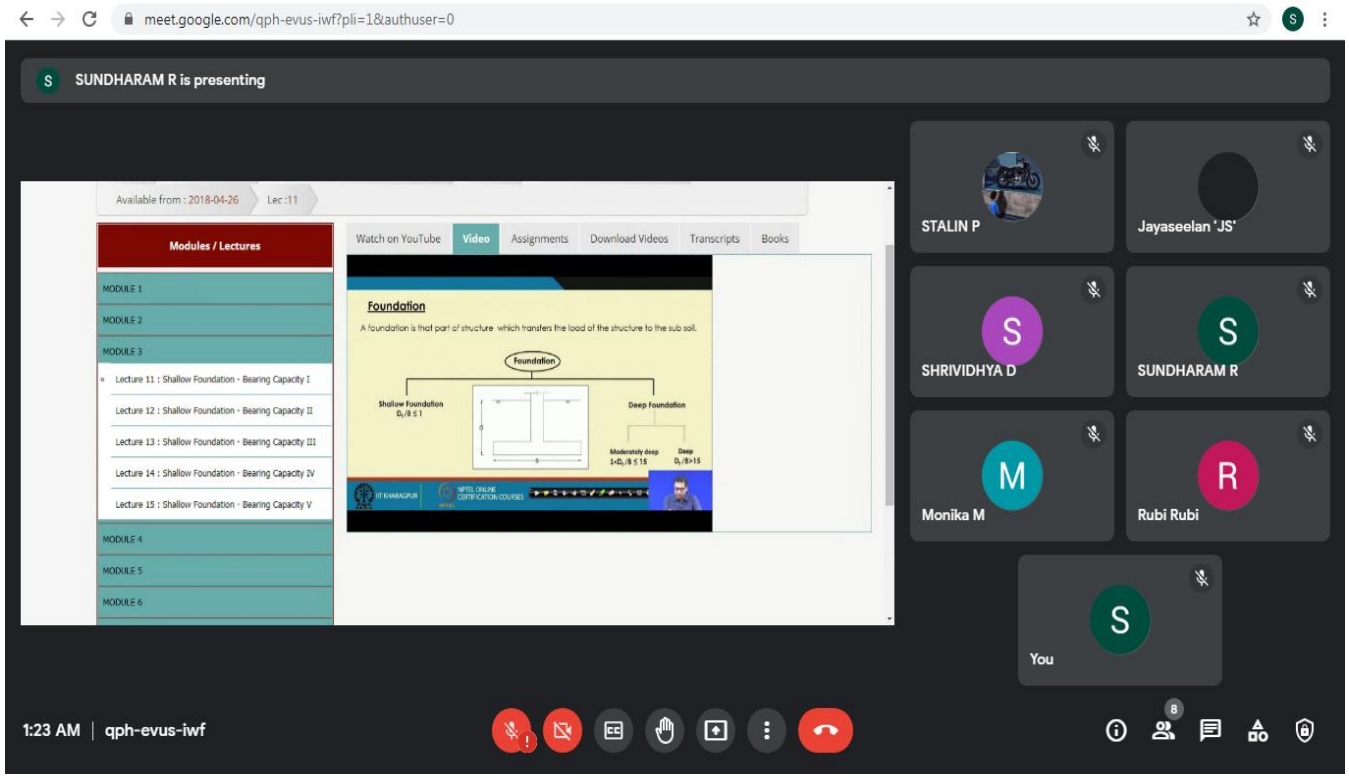
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MODULE 1
MODULE 2
MODULE 3
Lecture 11 : Shallow Foundation - Bearing Capacity I
Lecture 12 : Shallow Foundation - Bearing Capacity II
Lecture 13 : Shallow Foundation - Bearing Capacity III
Lecture 14 : Shallow Foundation - Bearing Capacity IV
Lecture 15 : Shallow Foundation - Bearing Capacity V
MODULE 4
MODULE 5
MODULE 6
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Foundation
A foundation is that part of structure which transfers the load of the structure to the sub soil.
Shallow Foundation
Deep Foundation
STALIN P
Jayaseelan 'JS'
SHRIVIDHYA D
SUNDHARAM R
Monika M
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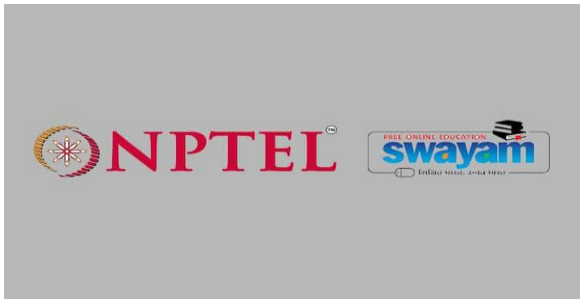
Department of Computer Science and Engineering

ICT TOOLS FOR TEACHING LEARNING PROCESS



CS8391- DATA STRUCTURES
COURSE INCHARGE: Ms.K.ABHIRAMI

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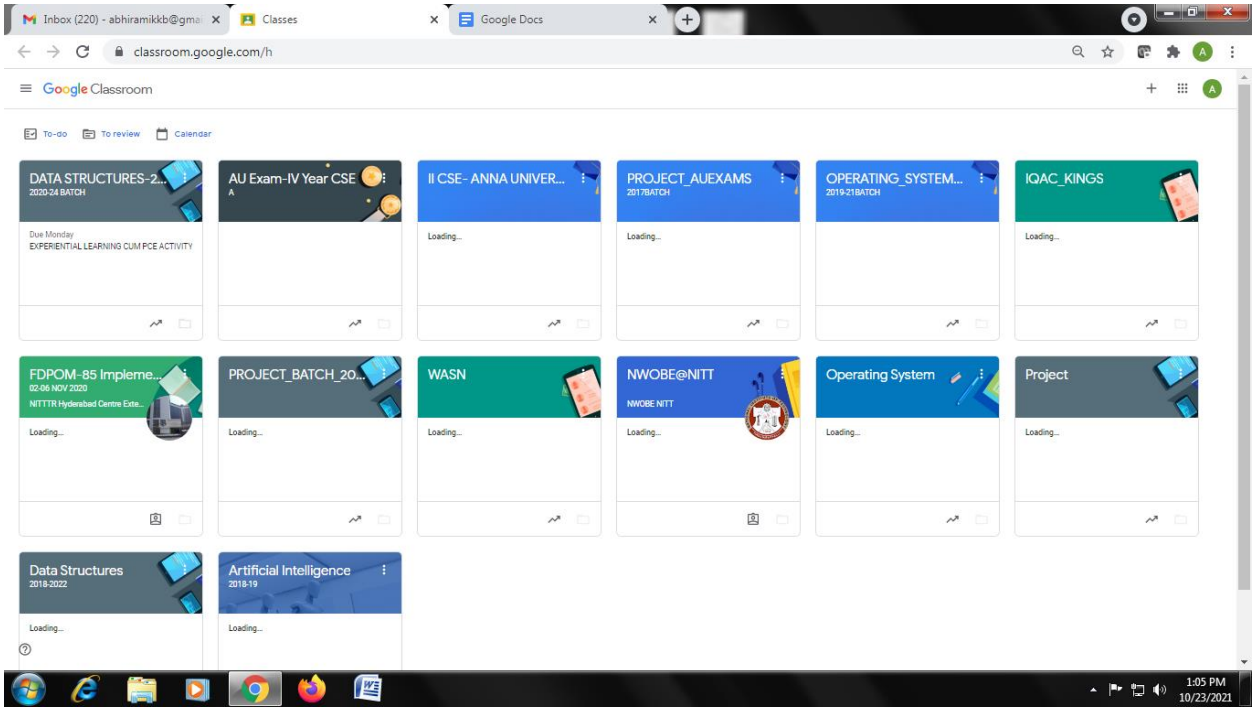

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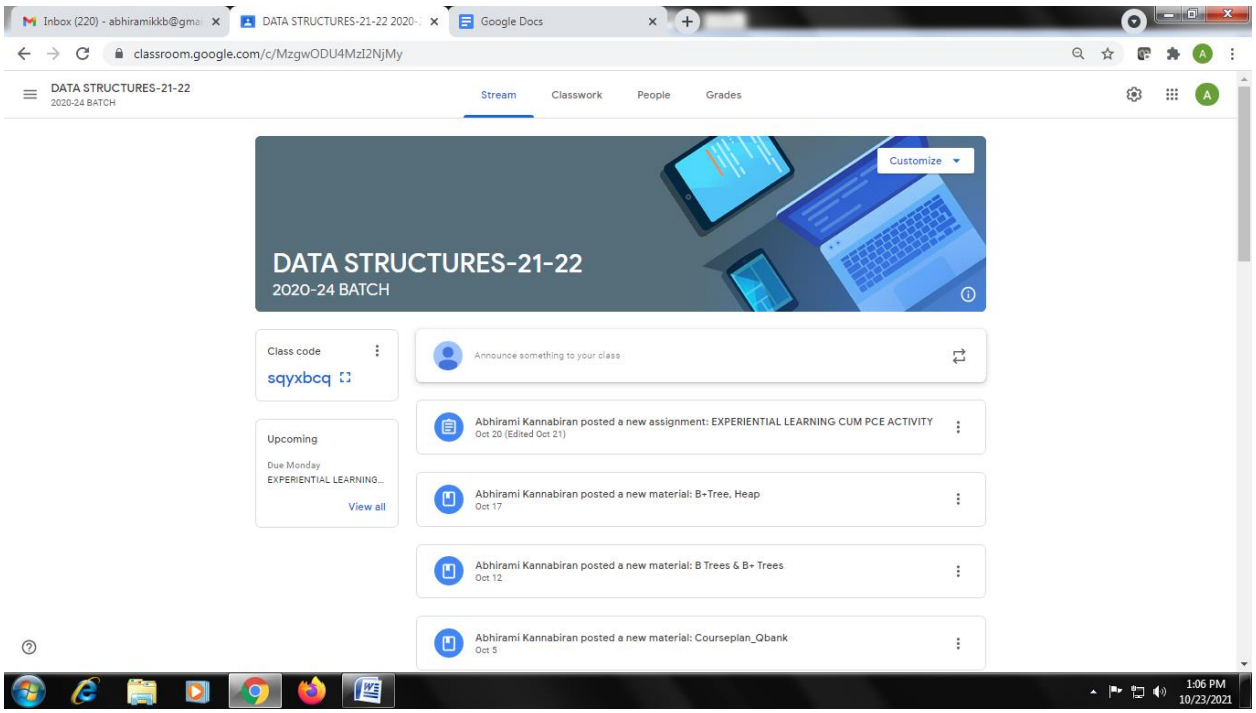

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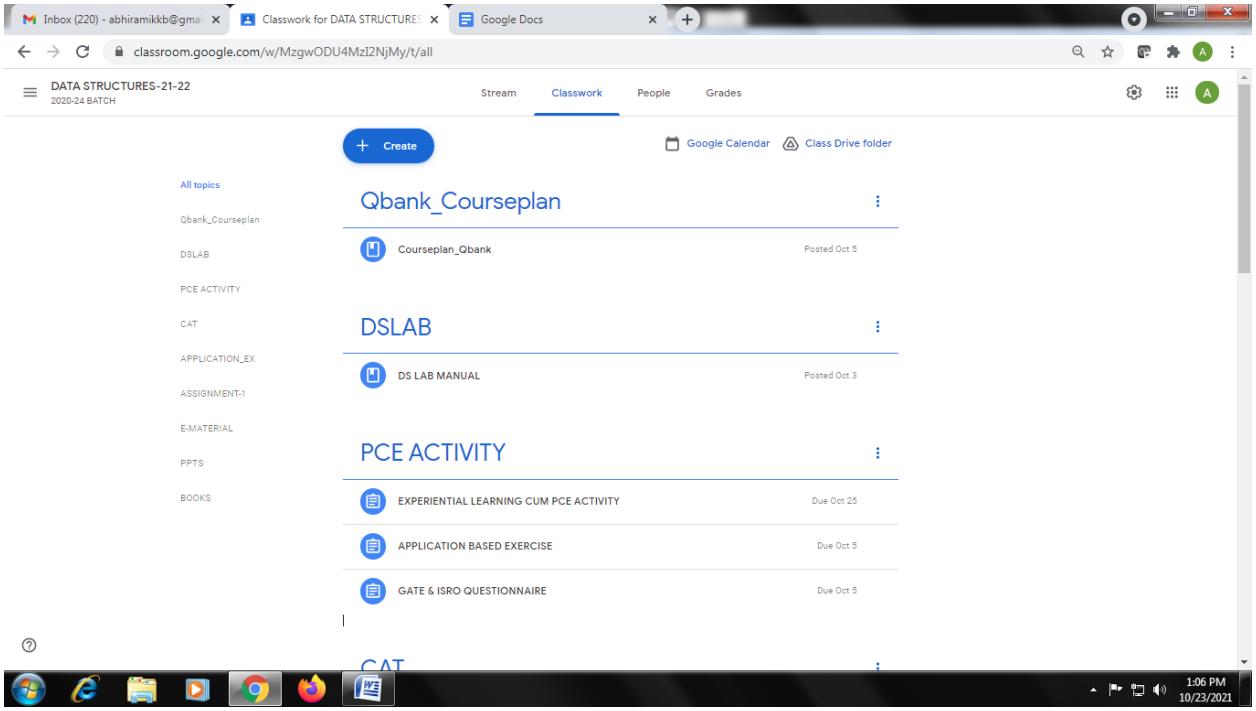

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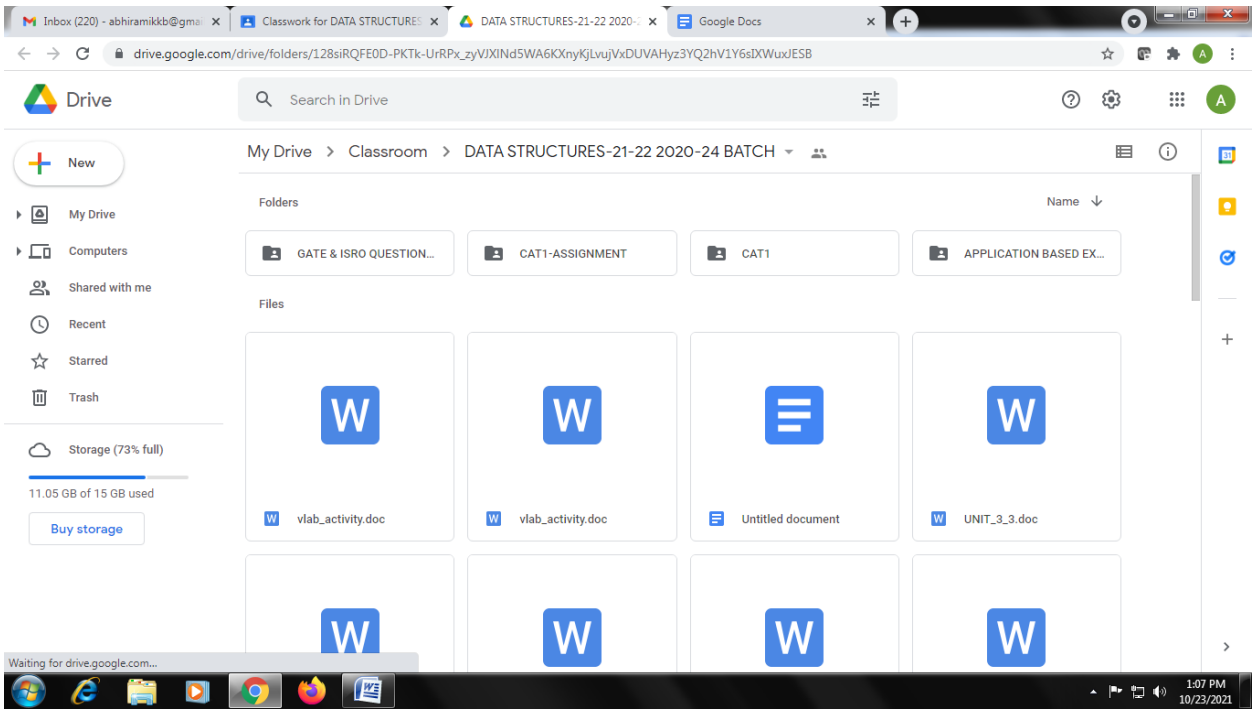

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COURSE INCHARGE: MS.S.PUVANESWARI
SUBJECT: ARTIFICIAL INTELLIGENCE

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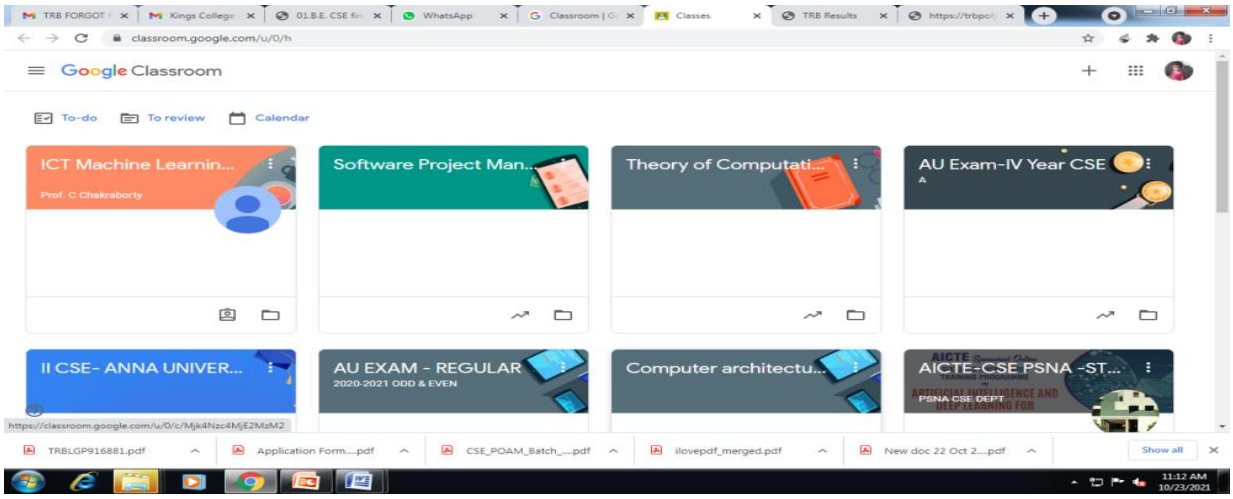
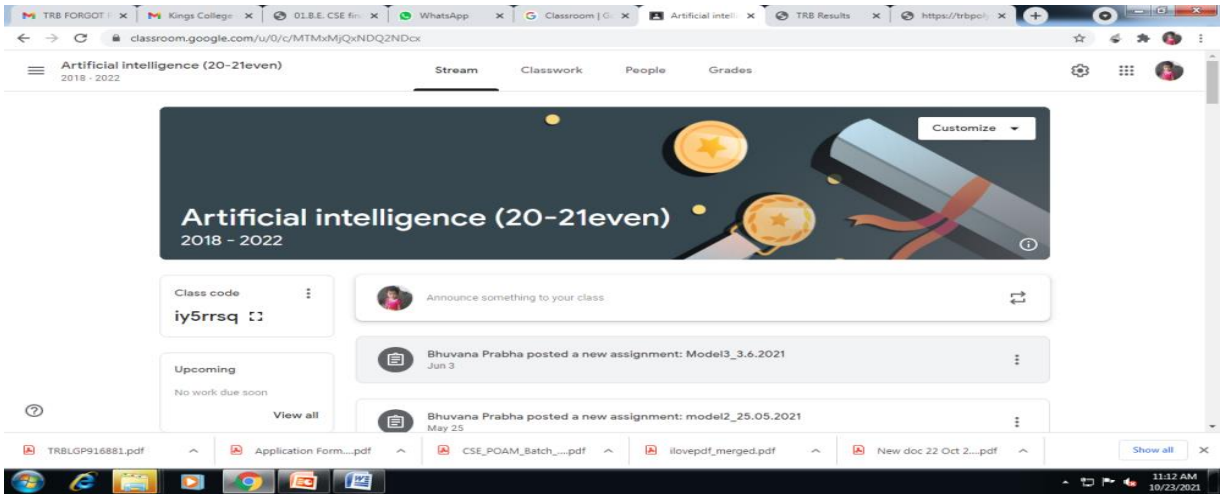


ARTIFICIAL INTELLIGENCE COURSE CLASSROOM-HOME PAGE



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COURSE INCHARGE: Dr.D.SIVAKUMAR

SUBJECT: CS8251 - C PROGRAMMING

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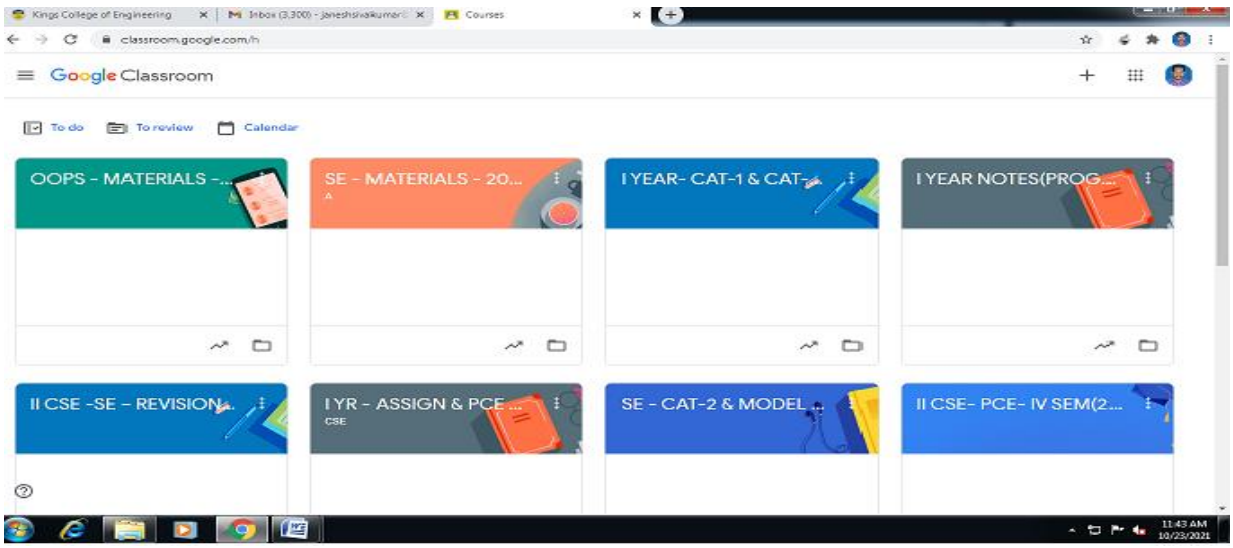
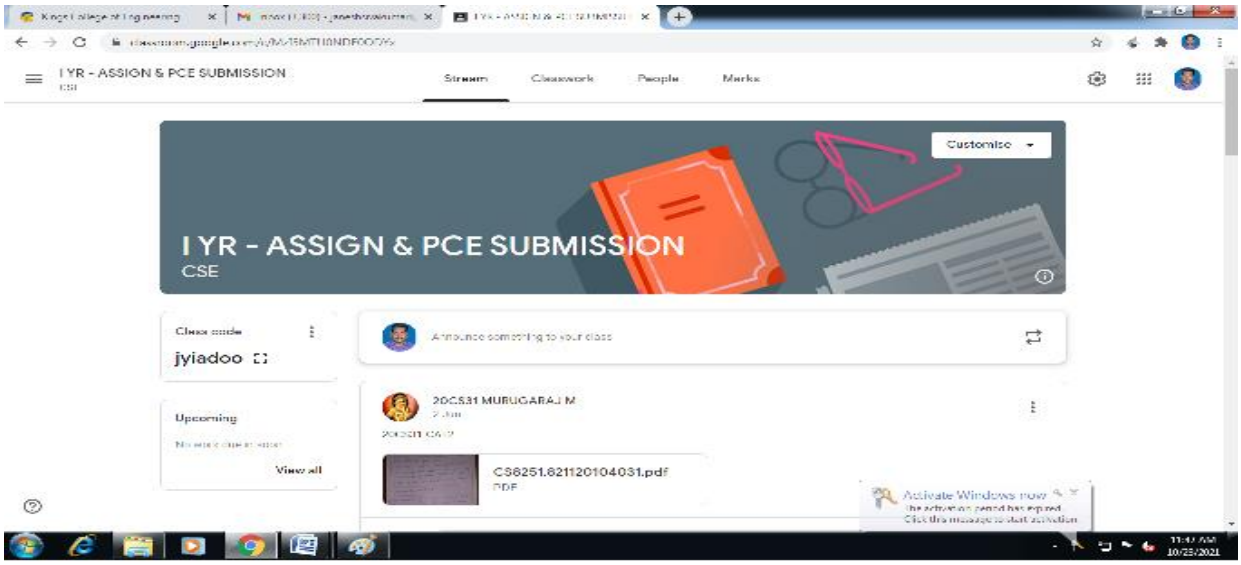


C PROGRAMMING COURSE CLASSROOM-HOME PAGE



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COURSE INCHARGE: Mr.R.SRIRAMKUMAR

SUBJECT: CS8651 - INTERNET PROGRAMMING

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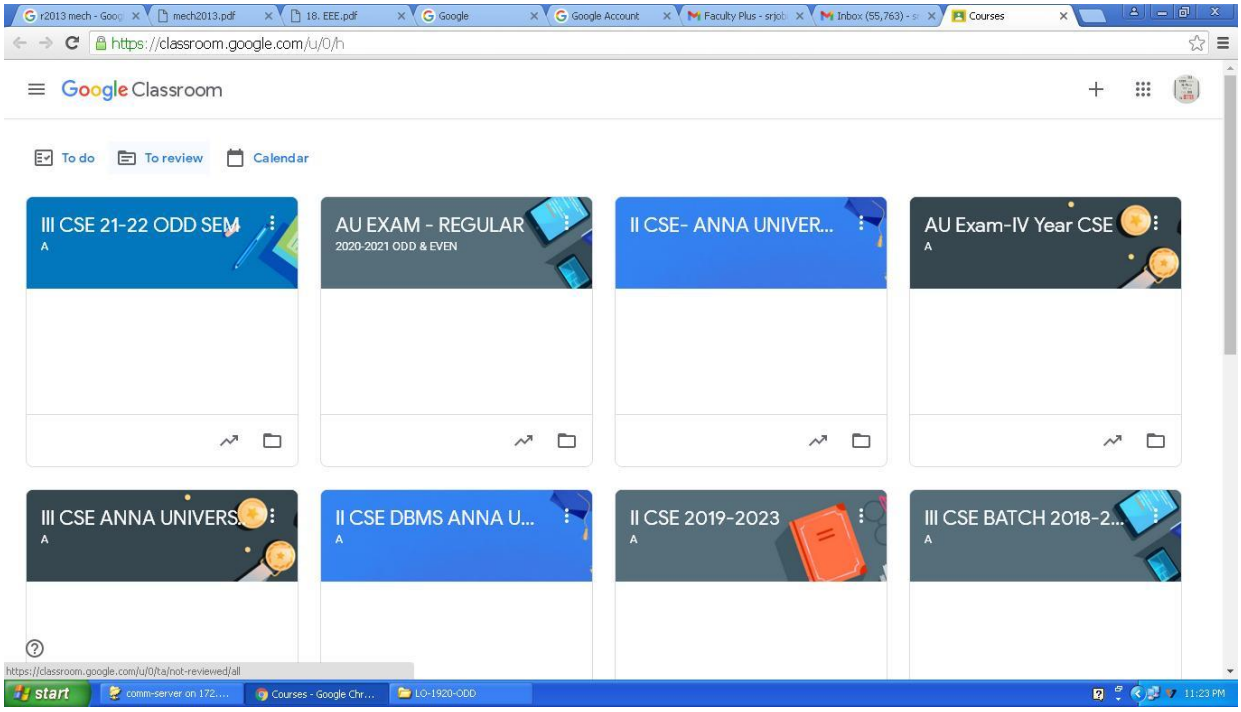

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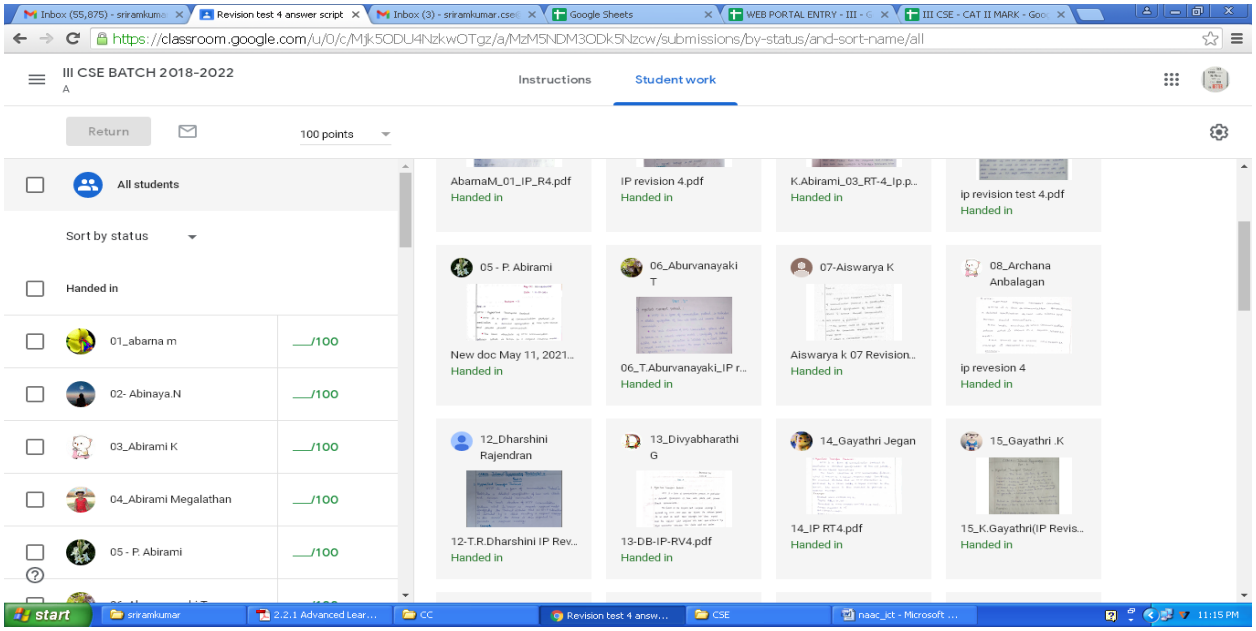
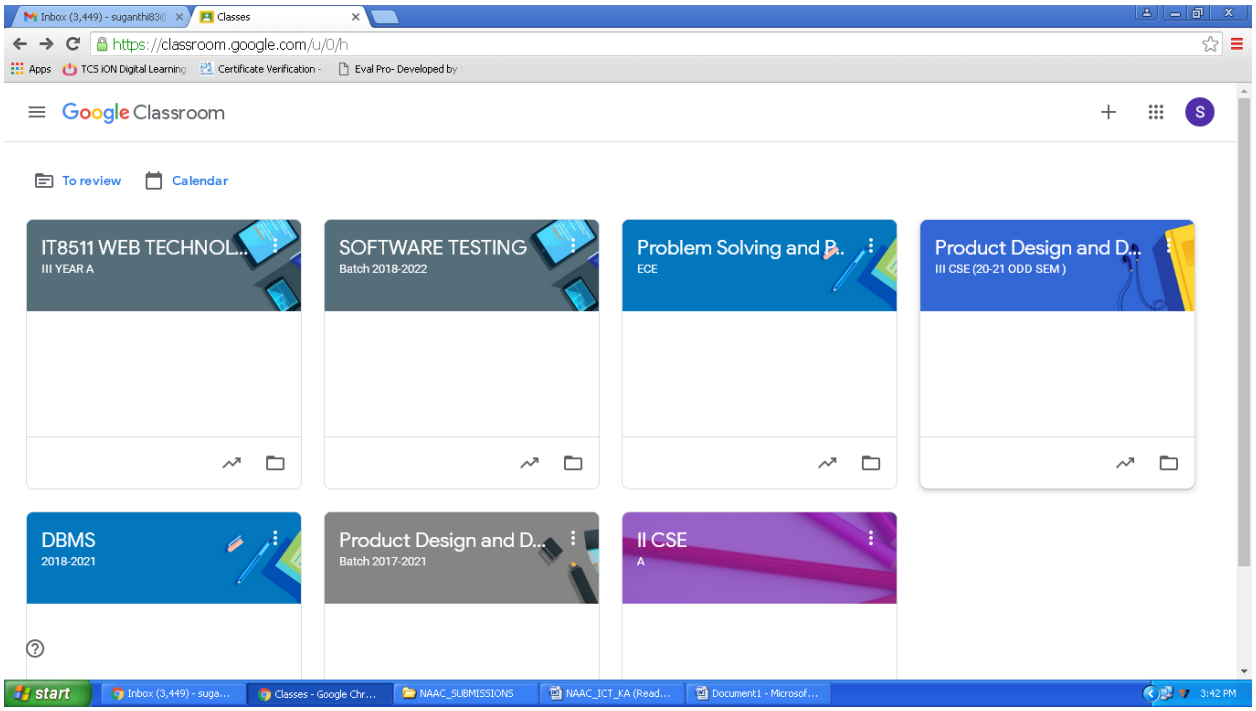


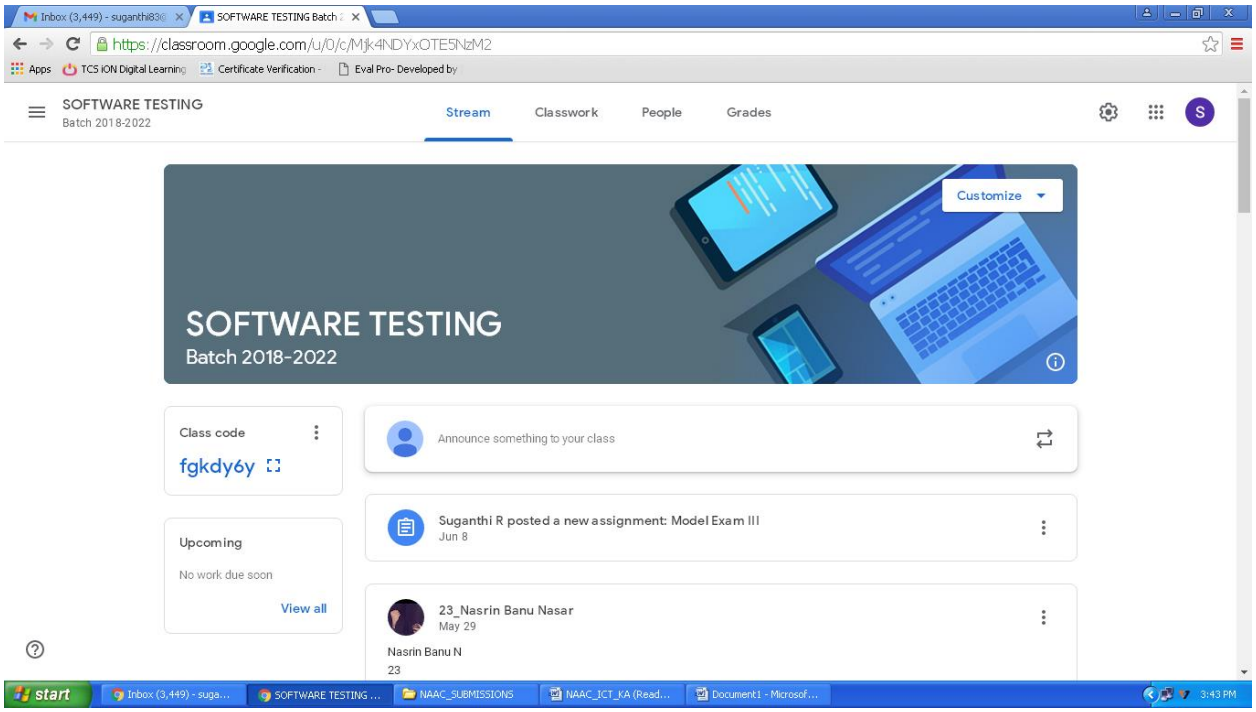
IT6004 – SOFTWARE TESTING

COURSE INCHARGE: Ms.R.SUGANTHA LAKSHMI

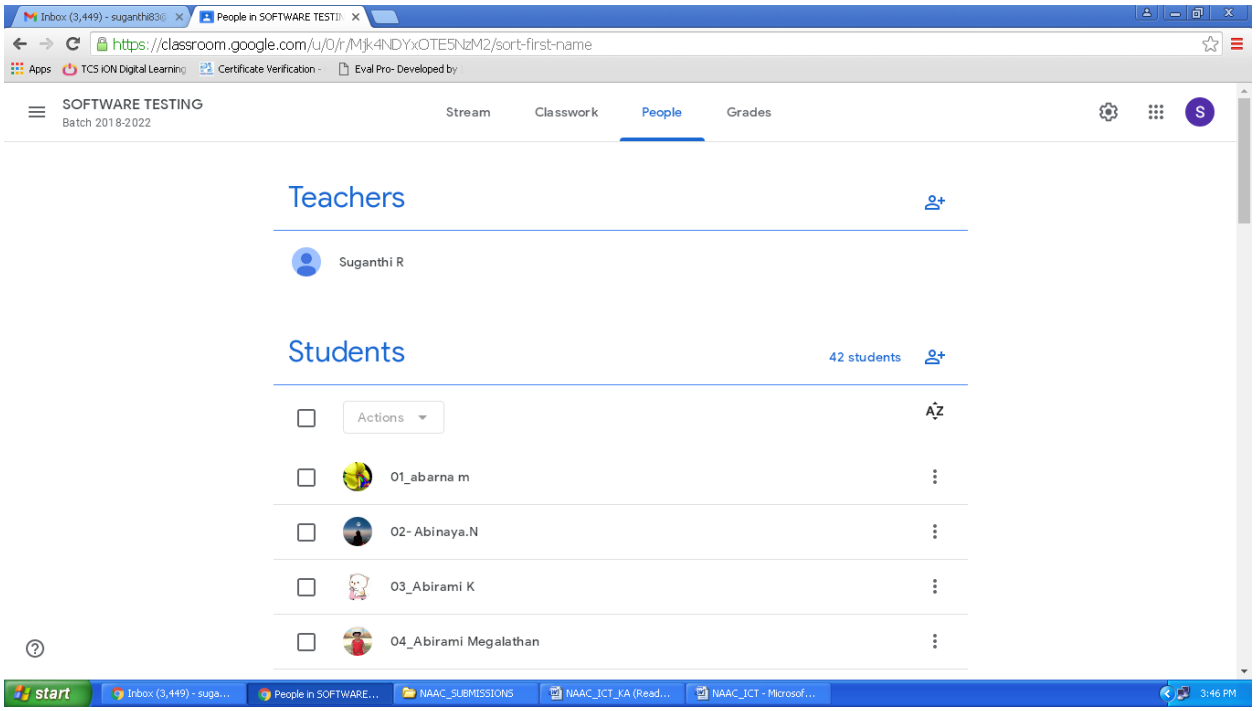
GOOGLE CLASSROOM HOME PAGE



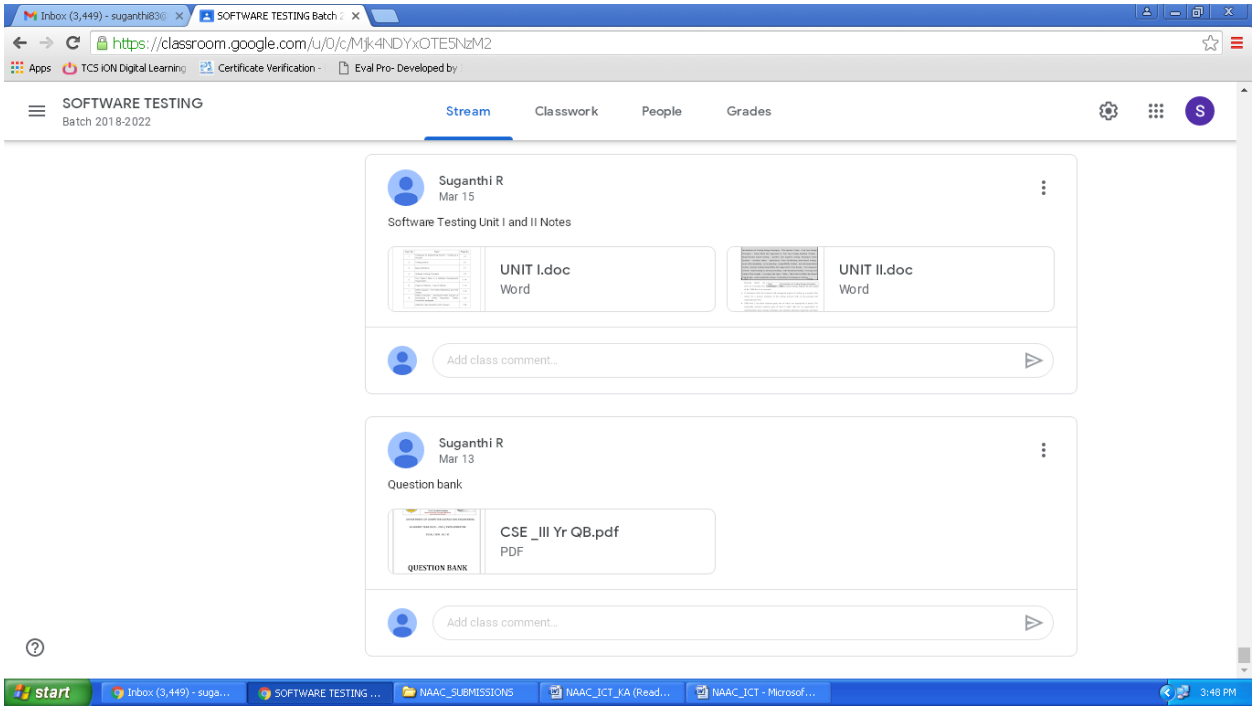
SOFTWARE TESTING GOOGLE CLASSROOM PAGE



CLASSROOM - STUDENTS LIST



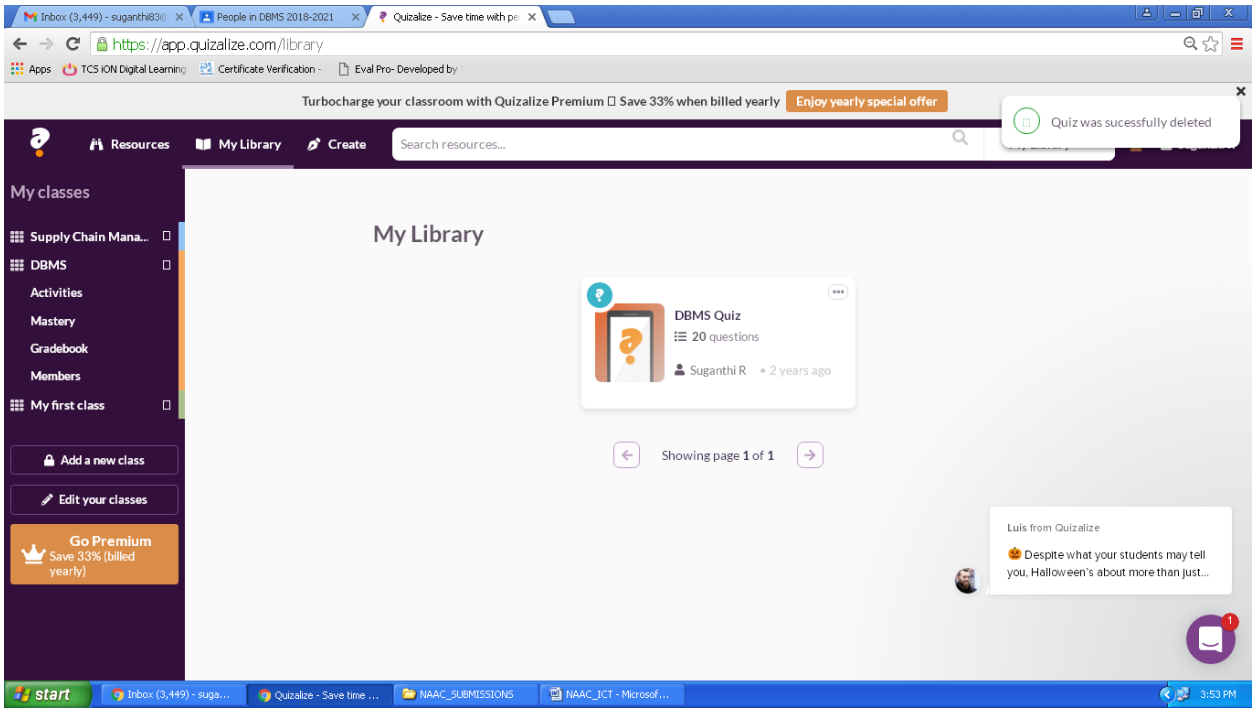
COURSE MATERIALS SHARED VIA CLASSROOM



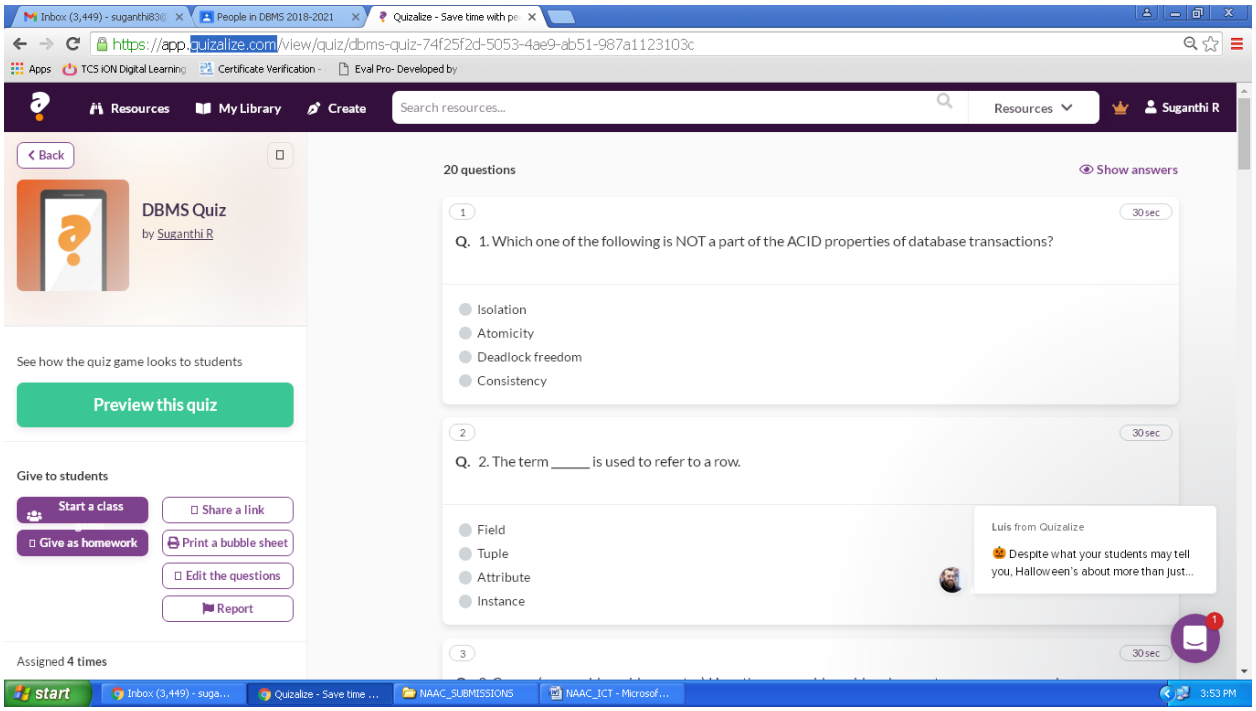
COURSE: DATABASE MANAGEMENT SYSTEM

QUIZ ACTIVITY USING QUIZALIZE.COM

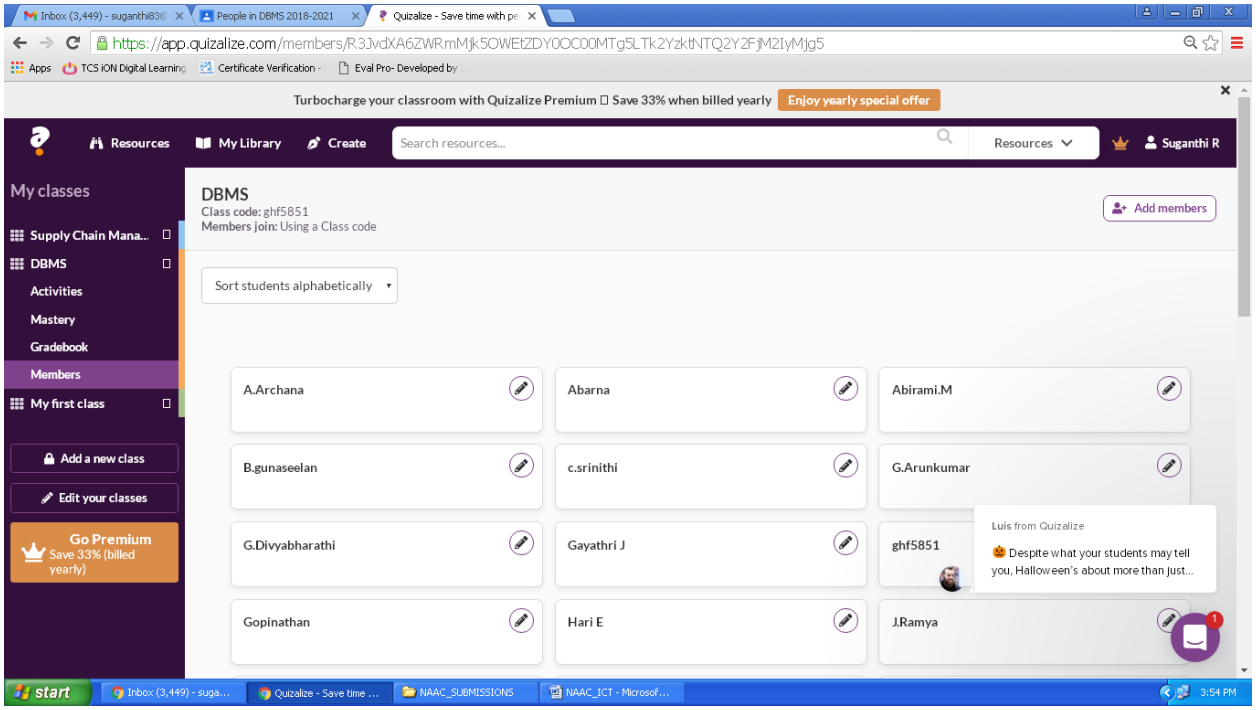
HOME PAGE



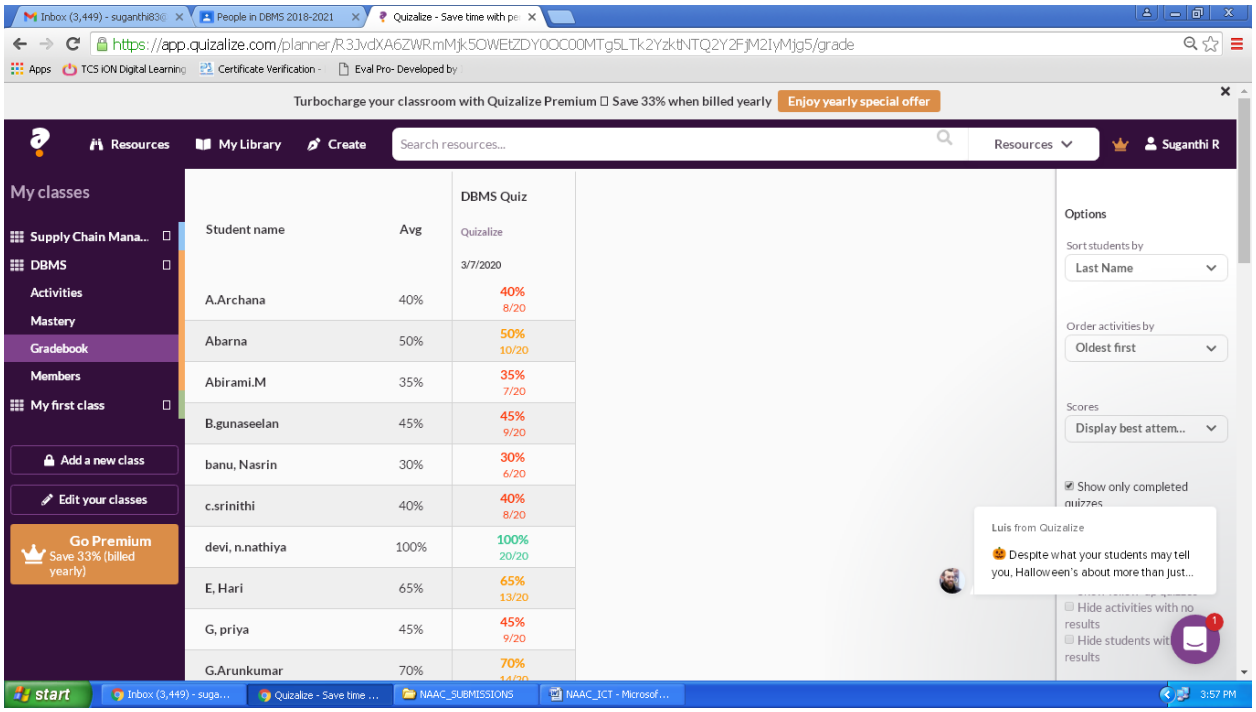
QUESTIONS



STUDENT LIST



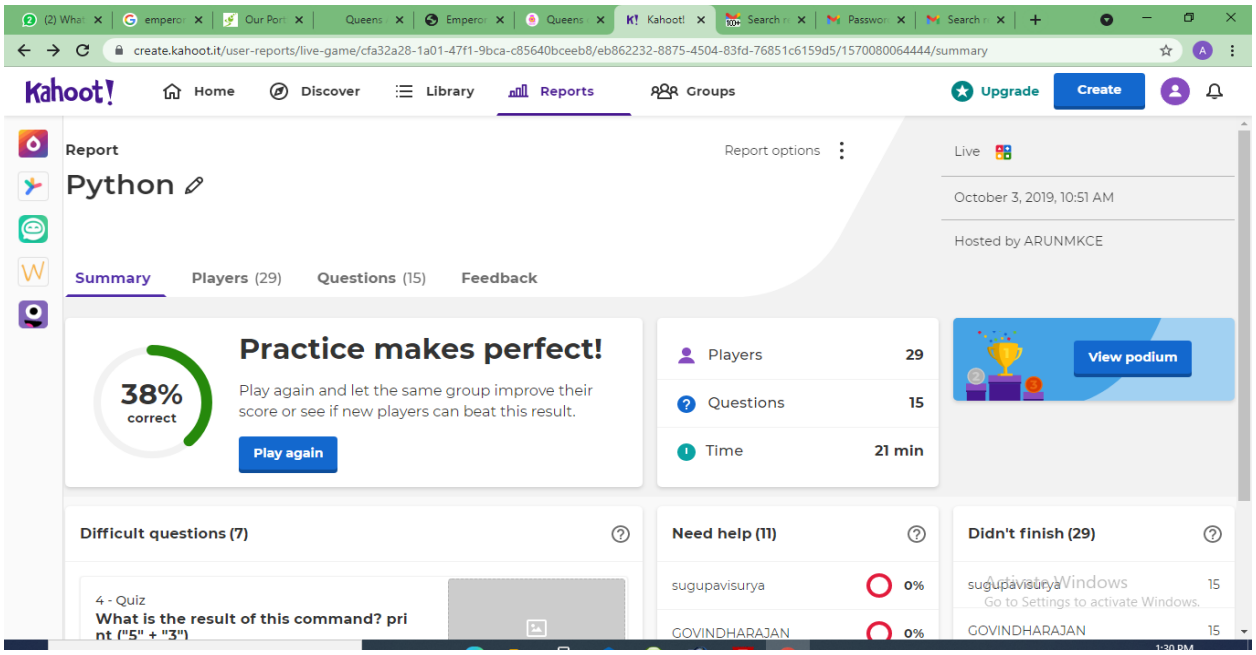
SCORES



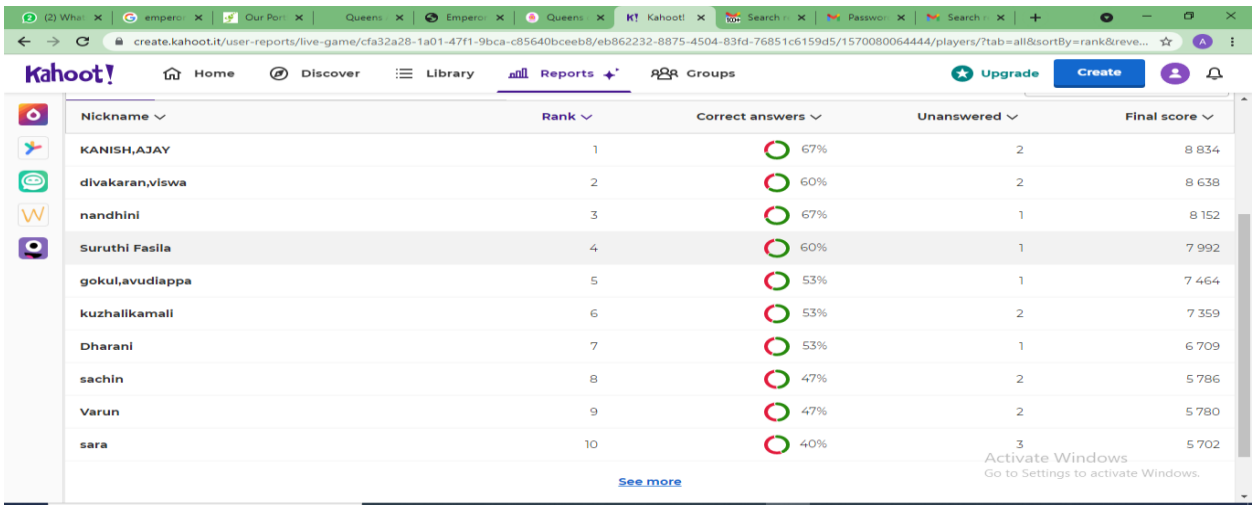
GE8151- PROBLEM SOLVING AND PYTHON PROGRAMMING

EVENT: TECHNICAL QUIZ
MODE: KAHOOT TOOL
SUBJECT INCHARGE: M.ARUN, AP/CSE
CLASS: I CSE

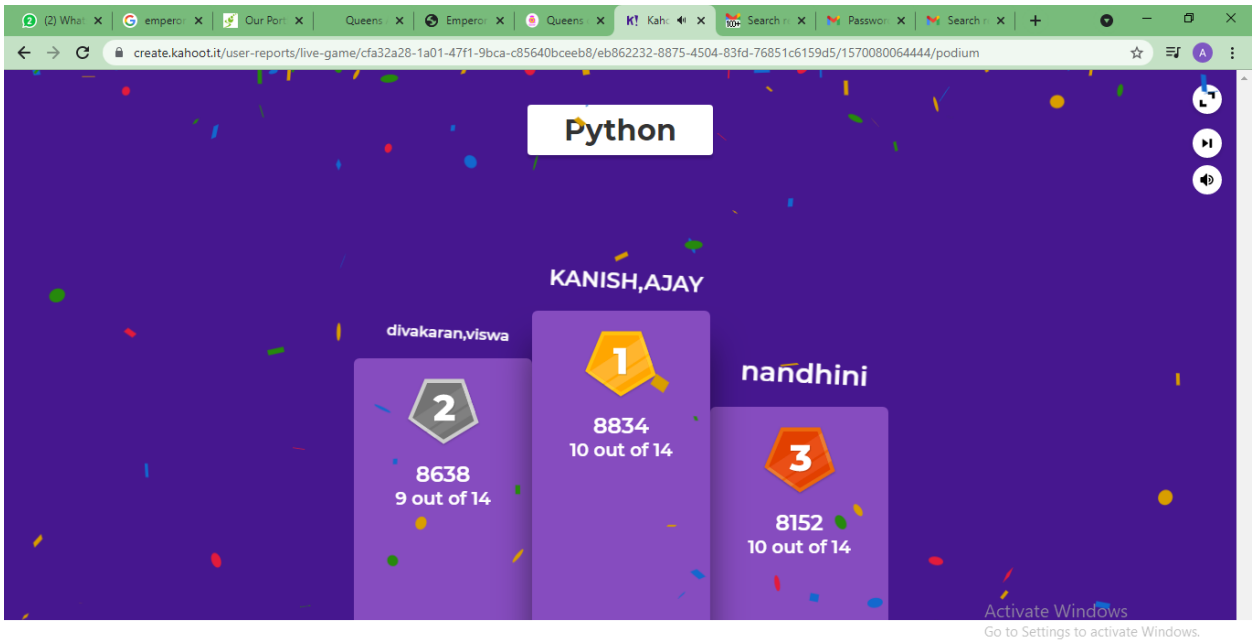
Profile Page



Score Sheet



Final Results



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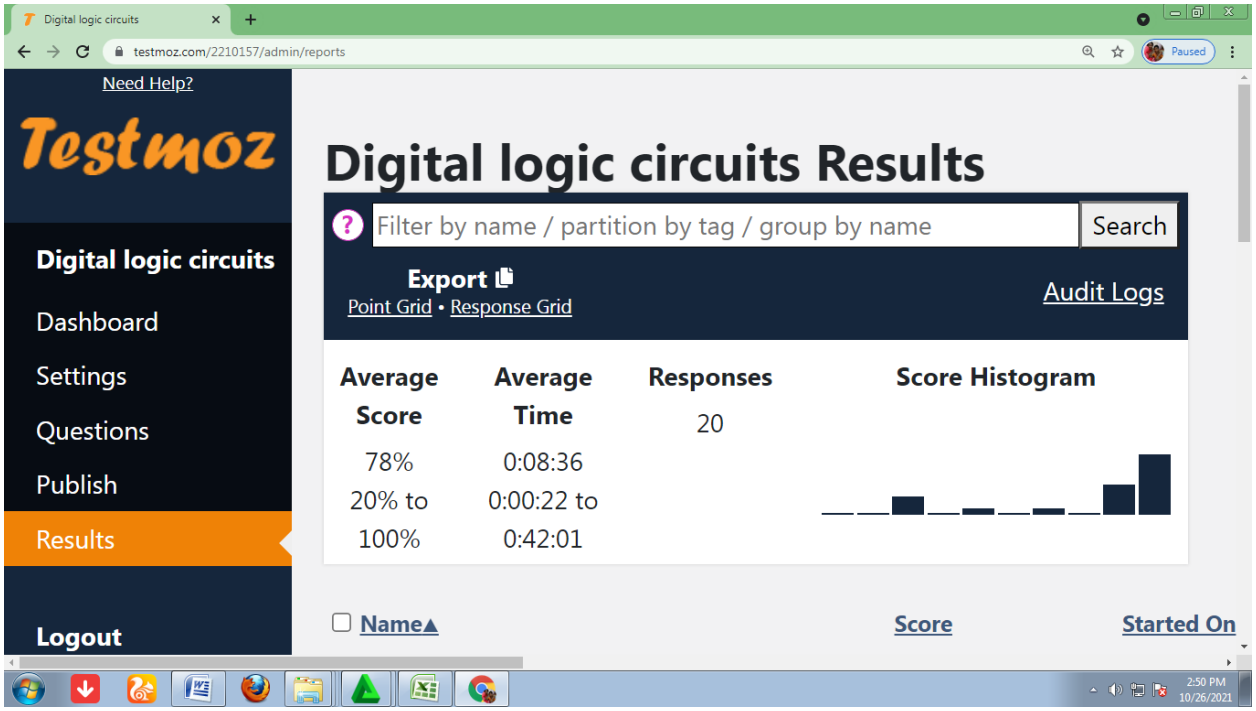
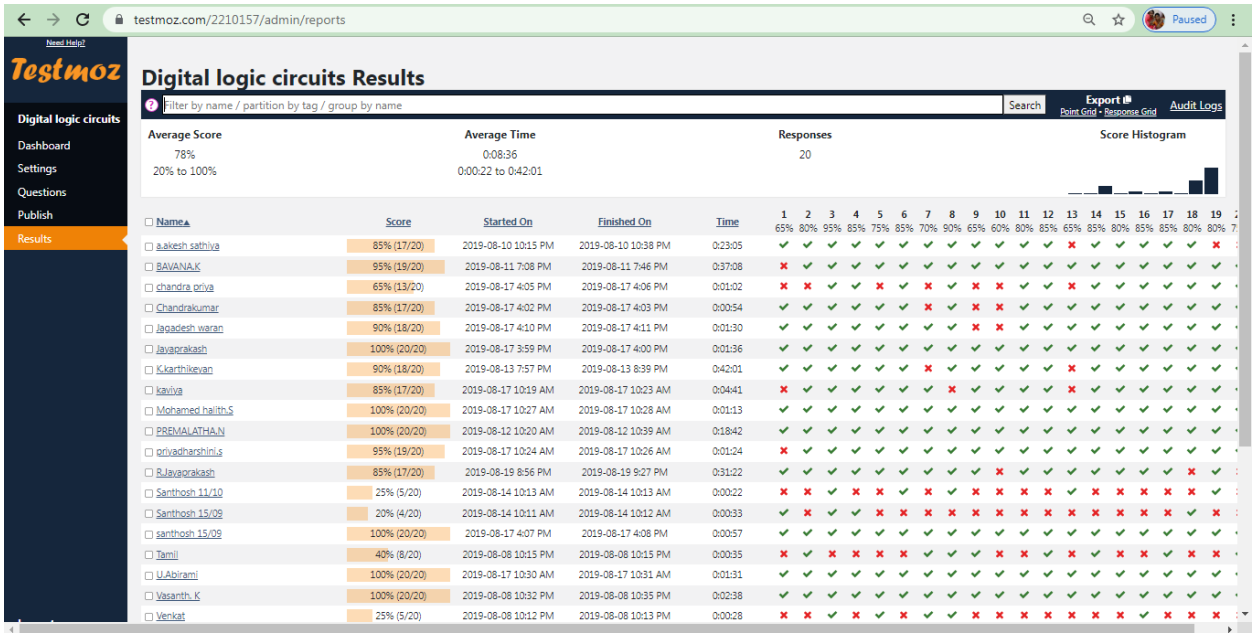
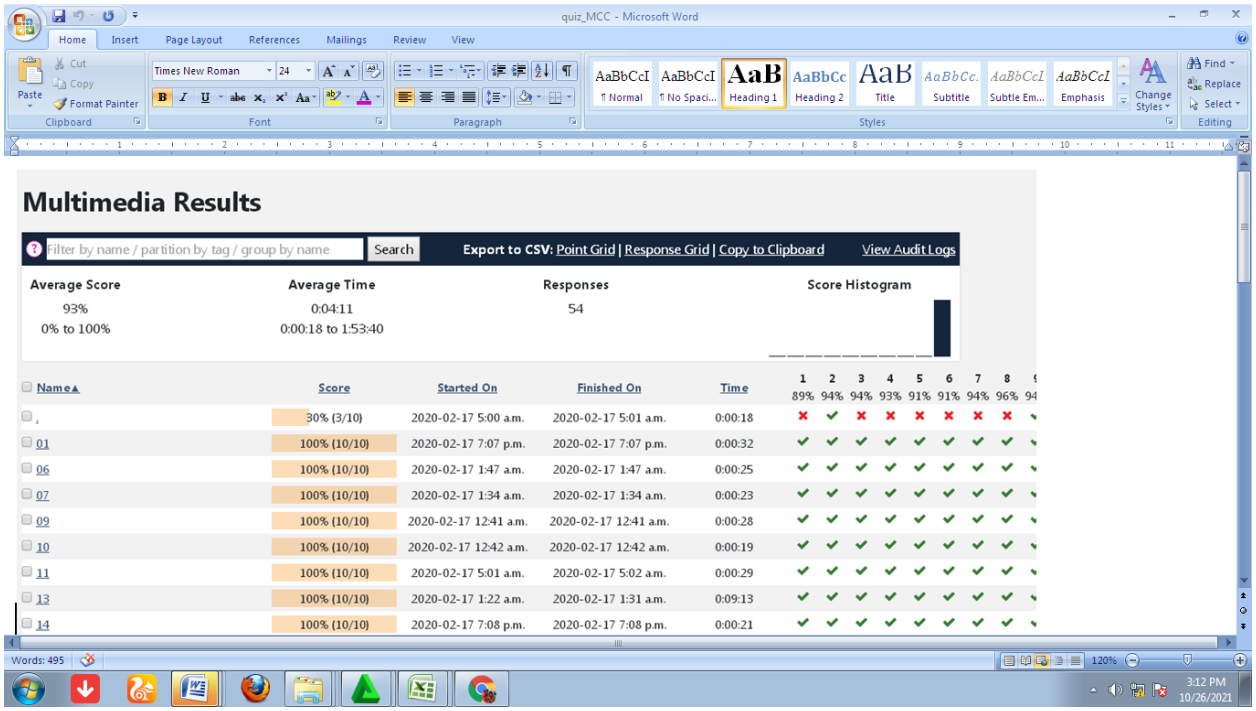
Affiliated to Anna University, Chennai

TÜVRheinland CERT ISO 9001

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


Digital logic circuits
testmoz.com/2210157/admin/reports
Paused
Need Help?
Testmoz
Digital logic circuits
Dashboard
Settings
Questions
Publish
Results
Logout
Digital logic circuits Results
Filter by name / partition by tag / group by name
Search
Export
Point Grid • Response Grid
Audit Logs
Average Score
78%
20% to 100%
Average Time
0:08:36
0:00:22 to 0:42:01
Responses
20
Score Histogram
Name▲
Score
Started On
2:50 PM
10/26/2021


testmoz.com/2210157/admin/reports
Paused
Digital logic circuits Results
Filter by name / partition by tag / group by name
Search
Export
Point Grid - Response Grid
Audit Logs
Average Score
78%
20% to 100%
Average Time
0:08:36
0:00:22 to 0:42:01
Responses
20
Score Histogram
Name▲
Score
Started On
Finished On
Time
a.akesh sathiya 85% (17/20) 2019-08-10 10:15 PM 2019-08-10 10:38 PM 0:23:05
BAVANA.K 95% (19/20) 2019-08-11 7:08 PM 2019-08-11 7:46 PM 0:37:08
chandra priya 65% (13/20) 2019-08-17 4:05 PM 2019-08-17 4:06 PM 0:01:02
Chandrakumar 85% (17/20) 2019-08-17 4:02 PM 2019-08-17 4:03 PM 0:00:54
Jagadesh waran 90% (18/20) 2019-08-17 4:10 PM 2019-08-17 4:11 PM 0:01:30
Jayaprakash 100% (20/20) 2019-08-17 3:59 PM 2019-08-17 4:00 PM 0:01:36
K.karthikeyan 90% (18/20) 2019-08-13 7:57 PM 2019-08-13 8:39 PM 0:42:01
kaviya 85% (17/20) 2019-08-17 10:19 AM 2019-08-17 10:23 AM 0:04:41
Mohamed halith.S 100% (20/20) 2019-08-17 10:27 AM 2019-08-17 10:28 AM 0:01:13
PREMALATHA.N 100% (20/20) 2019-08-12 10:20 AM 2019-08-12 10:39 AM 0:18:42
priyadharshini.s 95% (19/20) 2019-08-17 10:24 AM 2019-08-17 10:26 AM 0:01:24
R.Jayaprakash 85% (17/20) 2019-08-19 8:56 PM 2019-08-19 9:27 PM 0:31:22
Santhosh 11/10 25% (5/20) 2019-08-14 10:13 AM 2019-08-14 10:13 AM 0:00:22
Santhosh 15/09 20% (4/20) 2019-08-14 10:11 AM 2019-08-14 10:12 AM 0:00:33
santhosh 15/09 100% (20/20) 2019-08-17 4:07 PM 2019-08-17 4:08 PM 0:00:57
Tamil 40% (8/20) 2019-08-08 10:15 PM 2019-08-08 10:15 PM 0:00:35
U.Abirami 100% (20/20) 2019-08-17 10:30 AM 2019-08-17 10:31 AM 0:01:31
Vasanth. K 100% (20/20) 2019-08-08 10:32 PM 2019-08-08 10:35 PM 0:02:38
Venkat 25% (5/20) 2019-08-08 10:12 PM 2019-08-08 10:13 PM 0:00:28


quiz_MCC - Microsoft Word
Multimedia Results
Filter by name / partition by tag / group by name
Search
Export to CSV: Point Grid | Response Grid | Copy to Clipboard
View Audit Logs
Average Score
93%
0% to 100%
Average Time
0:04:11
0:00:18 to 1:53:40
Responses
54
Score Histogram
Name
Score
Started On
Finished On
Time
1 89%
2 94%
3 94%
4 93%
5 91%
6 91%
7 94%
8 96%
30% (3/10) 2020-02-17 5:00 a.m. 2020-02-17 5:01 a.m. 0:00:18
01 100% (10/10) 2020-02-17 7:07 p.m. 2020-02-17 7:07 p.m. 0:00:32
06 100% (10/10) 2020-02-17 1:47 a.m. 2020-02-17 1:47 a.m. 0:00:25
07 100% (10/10) 2020-02-17 1:34 a.m. 2020-02-17 1:34 a.m. 0:00:23
09 100% (10/10) 2020-02-17 12:41 a.m. 2020-02-17 12:41 a.m. 0:00:28
10 100% (10/10) 2020-02-17 12:42 a.m. 2020-02-17 12:42 a.m. 0:00:19
11 100% (10/10) 2020-02-17 5:01 a.m. 2020-02-17 5:02 a.m. 0:00:29
13 100% (10/10) 2020-02-17 1:22 a.m. 2020-02-17 1:31 a.m. 0:09:13
14 100% (10/10) 2020-02-17 7:08 p.m. 2020-02-17 7:08 p.m. 0:00:21
Words: 495
120%
3:12 PM
10/26/2021

KOWSALYA MURALI	February 7, 2:35 AM	20 / 20
Ranjitha D	February 7, 2:35 AM	11 / 20
yasu Dev	February 7, 5:22 AM	20 / 20
Dhana Sekaran	February 9, 7:31 AM	19 / 20
Dhivakar 12520	February 11, 6:07 AM	20 / 20
Tamil Gamer	February 12, 8:01 AM	20 / 20
Akalya Kannan	February 12, 8:08 AM	20 / 20
Tamil T	February 13, 8:23 PM	20 / 20
M sudha	February 14, 8:50 PM	20 / 20
Abarna P	February 14, 8:55 PM	20 / 20
dhurka buvana25	February 14, 9:00 PM	20 / 20
Indhuja J	February 16, 6:33 AM	20 / 20
balaraman balaraman	February 16, 10:12 PM	20 / 20
ALLEN VANDAYAR	February 17, 8:17 AM	20 / 20
Vinitha Viji	February 18, 12:45 AM	13 / 20
priyadharshini p	February 18, 1:17 AM	18 / 20
Ranjitha C	February 18, 7:08 PM	20 / 20
Mani Chithra	February 18, 10:49 PM	17 / 20
Yasik Rahman	February 18, 10:54 PM	17 / 20
Abinaya Karthika	February 18, 10:57 PM	20 / 20
s jeeva vandaiyar	February 18, 11:02 PM	2 / 20
Jawahar Kkt	February 18, 11:04 PM	9 / 20
pugalendhi pugal	February 20, 8:15 AM	8 / 20
poovizhi A	February 20, 8:06 PM	16 / 20

objective type questions
Due February 25, 11:00 PM
IV ECE- Academic year 19-20 even

Edit [redacted]

Overview Students

IV ECE- Academic year 19-20
even

Student	Time Submitted	Score
archana thiyagarajan	February 7, 1:46 AM	17 / 20
arya vanshini	February 7, 1:53 AM	15 / 20
kaya devi	February 7, 1:55 AM	17 / 20
Cherujagadeesß Cherujagadeeß	February 7, 2:01 AM	19 / 20
Jen[illegible]eni	February 7, 2:04 AM	17 / 20
Sasireksha V	February 7, 2:05 AM	16 / 20
vidhya kasanan	February 7, 2:06 AM	20 / 20
pavithra N	February 7, 2:07 AM	17 / 20
Riya Kalaiselvam	February 7, 2:12 AM	20 / 20
megala megala	February 7, 2:14 AM	20 / 20
aboorvo ravi	February 7, 2:15 AM	16 / 20
Senthiya R	February 7, 2:17 AM	18 / 20
vidhya K	February 7, 2:20 AM	14 / 20
S. Dhanaharshini Sekar	February 7, 2:23 AM	20 / 20
k meera	February 7, 2:24 AM	16 / 20
ogalya sundar	February 7, 2:26 AM	20 / 20
Priya G	February 7, 2:27 AM	13 / 20
Sowmiya R	February 7, 2:28 AM	20 / 20
Sadhu Latha	February 7, 2:30 AM	20 / 20
Dhivya R	February 7, 2:32 AM	20 / 20
ELAKIYA KOWSHIKA	February 7, 2:33 AM	20 / 20

IV ECE - TRANSDUCER ENGINEERING

Stream Classwork People Grades

All topics

Create

Google Calendar Class Drive folder

MODEL EXAM - 2 OIC751 - TRANSDUCER ENG...

Students can only see topics with published posts

MODEL EXAM OIC751 - TRANSDUCER ENGIN...

MODEL EXAM OIC751 - TRANSDUCER ENGI... Posted Nov 23, 2020

MCQ SET-2 UNIT 3,4 & 5 - OIC751 - TRANSDU...

MCQ SET-2 UNIT 3,4 & 5 - OIC751 - TRANSD... Edited Nov 12, 2020

IV ECE - TRANSDUCER ENGINEERING

Stream Classwork People Grades

REVISION 5 - OIC751-TRANSDUCER ENGINE... Edited Nov 11, 2020

REVISION 4 - OIC751 - TRANSDUCER ENGINEER

REVISION 4 - OIC751 - TRANSDUCER ENGIN... Posted Nov 10, 2020

REVISION 3 - OIC751 - TRANSDUCER ENGINEER

REVISION 3 - OIC751 - TRANSDUCER ENGIN... Posted Nov 6, 2020

LECTURE NOTES & REFERENCE MATERIALS - ...

LECTURE NOTES & REFERENCE MATERIALS ... Posted Nov 4, 2020

IV ECE - TRANSDUCER ENGINEERING

Stream Classwork People Grades

REVISION 2 - OIC751 - TRANSDUCER ENGINEE...

REVISION 2 - OIC751 - TRANSDUCER ENGIN... Due Nov 5, 2020, 11:59 PM

REVISION 1 - OIC751 - TRANSDUCER ENGINEE...

REVISION 1 - OIC751 - TRANSDUCER ENGIN... Due Nov 2, 2020, 11:59 PM

CAT-III (DESCRIPTIVE) OIC751 - TRANSDUCER ...

CAT-III (DESCRIPTIVE) OIC751 - TRANSDUC... Due Oct 24, 2020, 11:59 PM

CAT-III (MCQ) OIC751 - TRANSDUCER ENGINE...

IV ECE - TRANSDUCER ENGINEERING

Stream Classwork People Grades

ASSIGNMENT - 3 OIC751-TRANSDUCER ENGI...

ASSIGNMENT - 3 OIC751-TRANSDUCER EN... Edited Oct 30, 2020

CAT-I RETEST OIC751 - TRANSDUCER ENGINE...

CAT-I RETEST OIC751 - TRANSDUCER ENGI... Edited Oct 11, 2020

CAT - II (MCQ) - OIC751 - TRANSDUCER ENGI...

CAT - II (MCQ) - OIC751 - TRANSDUCER EN... Edited Oct 10, 2020

CAT - I (MCQ) - OIC751 - TRANSDUCER ENGI...

CAT - I (MCQ) - OIC751 - TRANSDUCER EN... Edited Oct 10, 2020

IV ECE - TRANSDUCER ENGINEERING

Stream Classwork People Grades

CAT-II (DESCRIPTIVE) OIC751 - TRANSDUC... Due Oct 2, 2020, 11:59 PM

ASSIGNMENT - 2 (PCE QUIZ ACTIVITY)

ASSIGNMENT - 2 (PCE QUIZ ACTIVITY) Due Oct 2, 2020, 11:59 PM

ASSIGNMENT-2 (PCE OTHER ACTIVITY)

ASSIGNMENT-2 (PCE OTHER ACTIVITY) Due Oct 2, 2020, 11:59 PM

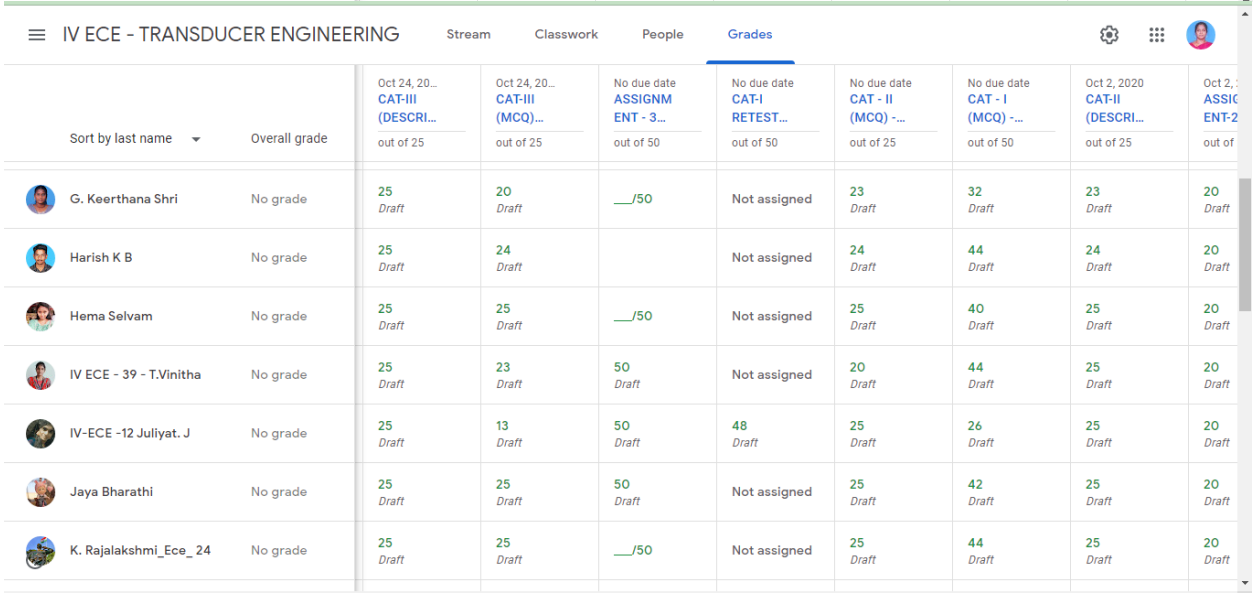
ASSIGNMENT-1

ASSIGNMENT - 1 2 Due Oct 2, 2020, 11:59 PM

IV ECE - TRANSDUCER ENGINEERING

Stream | Classwork | People | Grades

Sort by last name	Overall grade	Oct 24, 20... CAT-III (DESCRI... out of 25	Oct 24, 20... CAT-III (MCQ)... out of 25	No due date ASSIGNMENT - 3... out of 50	No due date CAT-I RETEST... out of 50	No due date CAT - II (MCQ) -... out of 25	No due date CAT - I (MCQ) -... out of 50	Oct 2, 2020 CAT-II (DESCRI... out of 25	Oct 2, 2... ASSIG ENT-2... out of 2
Class average	100%							25	
01_ECE_IV Ajith k	No grade	25 Draft	25 Draft	50 Draft	Not assigned	22 Draft	40 Draft	24 Draft	20 Draft
21 Ece Pilavendran Nirmal	No grade	25 Draft	25 Draft	50 Draft	Not assigned	21 Draft	42 Draft	22 Draft	20 Draft
Akash Suresh	No grade	25 Draft	25 Draft	50 Draft	Not assigned	25 Draft	40 Draft	24 Draft	20 Draft
B.Melvin Charles	No grade	25 Draft	25 Draft	50 Draft	Not assigned	24 Draft	40 Draft	25 Draft	20 Draft
Dharsini Baskaran	No grade	25 Draft	24 Draft	50 Draft	Not assigned	24 Draft	42 Draft	25 Draft	20 Draft
Ece_29_Senthamarai Iv year	No grade	25 Draft	25 Draft	50 Draft	Not assigned	24 Draft	46 Draft	22 Draft	20/20 Draft



IV ECE - TRANSDUCER ENGINEERING

Stream | Classwork | People | Grades

Sort by last name	Overall grade	Oct 24, 20... CAT-III (DESCRI... out of 25	Oct 24, 20... CAT-III (MCQ)... out of 25	No due date ASSIGNMENT - 3... out of 50	No due date CAT-I RETEST... out of 50	No due date CAT - II (MCQ) -... out of 25	No due date CAT - I (MCQ) -... out of 50	Oct 2, 2020 CAT-II (DESCRI... out of 25	Oct 2, ... ASSIG ENT-2... out of
G. Keerthana Shri	No grade	25 Draft	20 Draft	__/50	Not assigned	23 Draft	32 Draft	23 Draft	20 Draft
Harish K B	No grade	25 Draft	24 Draft		Not assigned	24 Draft	44 Draft	24 Draft	20 Draft
Hema Selvam	No grade	25 Draft	25 Draft	__/50	Not assigned	25 Draft	40 Draft	25 Draft	20 Draft
IV ECE - 39 - T.Vinitha	No grade	25 Draft	23 Draft	50 Draft	Not assigned	20 Draft	44 Draft	25 Draft	20 Draft
IV-ECE -12 Juliyat. J	No grade	25 Draft	13 Draft	50 Draft	48 Draft	25 Draft	26 Draft	25 Draft	20 Draft
Jaya Bharathi	No grade	25 Draft	25 Draft	50 Draft	Not assigned	25 Draft	42 Draft	25 Draft	20 Draft
K. Rajalakshmi_Ece_ 24	No grade	25 Draft	25 Draft	__/50	Not assigned	25 Draft	44 Draft	25 Draft	20 Draft


IV ECE - TRANSDUCER ENGINEERING
Stream
Classwork
People
Grades
Sort by last name
Overall grade
Oct 24, 20... CAT-III (DESCRI... out of 25
Oct 24, 20... CAT-III (MCQ)... out of 25
No due date ASSIGNMENT - 3... out of 50
No due date CAT-I RETEST... out of 50
No due date CAT - II (MCQ) -... out of 25
No due date CAT - I (MCQ) -... out of 50
Oct 2, 2020 CAT-II (DESCRI... out of 25
Saranya ashok No grade 25 Draft 25 Draft 50 Draft Not assigned 25 Draft 42 Draft 24 Draft 20 Draft
SIVAKUMAR .R No grade 25 Draft 24 Draft 50 Draft Not assigned 21 Draft 34 Draft 25 Draft 20 Draft
Sneka Vaithyanathan No grade 25 Draft 25 Draft 50 Draft Not assigned 21 Draft 40 Draft 24 Draft 20 Draft
Surya G_ 36 No grade 25 Draft 25 Draft 50 Draft Not assigned 21 Draft 40 Draft 25 Draft 20 Draft
T. Nisha No grade 19 Draft 25 Draft 50 Draft 46 Draft 20 Draft 26 Draft 22 Draft 20 Draft
Veeralakshmi M No grade 25 Draft 24 Draft 50 Draft Not assigned 25 Draft 46 Draft 25 Draft 20 Draft
Yuvan Kishore U1 No grade 25 Draft 24 Draft 50 Draft Not assigned 21 Draft 46 Draft 25 Draft 20 Draft

II ECE - CONTROL SYSTEM ENGINEERING

Stream Classwork People Grades

All topics

Create

Google Calendar Class Drive folder

MODEL EXAM - 4 EC8391 - CONTROL SYSTE...

MODEL EXAM - 4 EC8391 - CONTROL SYST... Posted Jan 9

MODEL EXAM - 3 EC8391 - CONTROL SYSTE...

MODEL EXAM - 3 EC8391 - CONTROL SYST... Posted Jan 6

MODEL EXAM - 2 EC8391 - CONTROL SYSTE...

MODEL EXAM - 2 EC8391 - CONTROL SYST... Posted Dec 3, 2020

II ECE - CONTROL SYSTEM ENGINEERING

Stream Classwork People Grades

MODEL EXAM EC8391 - CONTROL SYSTEM ... Posted Nov 23, 2020

REVISION 4 - MATERIALS

REVISION 4 - MATERIALS Edited Nov 12, 2020

MCQ SET-2 UNIT 3,4 & 5 - EC8391 - CONTROL...

MCQ SET-2 UNIT 3,4 & 5 - EC8391 - CONTR... Edited Nov 12, 2020

REVISION - 5 EC8391- CONTROL SYSTEM EN...

REVISION - 5 EC8391- CONTROL SYSTEM E... Edited Nov 12, 2020

II ECE - CONTROL SYSTEM ENGINEERING

Stream Classwork People Grades

REVISION TEST - 3 (PHASE-II) - EC8391 - CON...

REVISION TEST - 3 (PHASE-II) - EC8391 - CO... Posted Nov 6, 2020

LECTURE NOTES & REFERENCE MATERIALS - E...

LECTURE NOTES & REFERENCE MATERIALS ... Edited Nov 4, 2020

MCQ SET-1 UNIT 1 & 2 - EC8391 - CONTROL S...

MCQ SET-1 UNIT 1 & 2 - EC8391 - CONTROL ... Edited Nov 12, 2020

II ECE - CONTROL SYSTEM ENGINEERING

Stream Classwork People Grades

REVISION TEST - 1 (PHASE - I) EC8391 - CONT...

REVISION TEST - I (PHASE - I) EC8391 - CON... Posted Oct 30, 2020

CAT-III RETEST EC8391- CSE

CAT-III RETEST EC8391 - CSE Edited Nov 7, 2020

CAT-III (DESCRIPTIVE) EC8391 - CONTROL SY...

CAT-III (DESCRIPTIVE) EC8391 - CONTROL S... Edited Oct 29, 2020

CAT-III (MCQ) EC8391 - CONTROL SYSTEM EN...

CAT-III (MCQ) EC8391 - CONTROL SYSTEM Edited Oct 29, 2020

II ECE - CONTROL SYSTEM ENGINEERING

Stream Classwork People Grades

ASSIGNMENT-3 EC8391 - CONTROL SYSTE... Edited Oct 29, 2020

CAT-I (RETEST) EC8391 - CONTROL SYSTEM E...

CAT-I RETEST EC8391 - CONTROL SYSTEM ... Edited Oct 29, 2020

CAT - II (MCQ) EC8391 - CONTROL SYSTEM E...

CAT - II (MCQ) EC8391 - CONTROL SYSTEM ... Edited Oct 29, 2020

CAT - I (MCQ) EC8391 - CONTROL SYSTEM EN...

CAT - I (MCQ) EC8391 - CONTROL SYSTEM ... Edited Oct 29, 2020

II ECE - CONTROL SYSTEM ENGINEERING

Stream Classwork People Grades

CAT-II (RETEST) EC8391 - CONTROL SYSTEM E...

CAT-II RETEST EC8391 - CONTROL SYSTEM ... Edited Oct 29, 2020

CAT-II (DESCRIPTIVE) EC8391 - CONTROL SYS...

CAT-II (DESCRIPTIVE) EC8391 - CONTROL S... Edited Oct 29, 2020

ASSIGNMENT - 2 (OTHER PCE ACTIVITIES)

ASSIGNMENT - 2 (OTHER PCE ACTIVITI... 2 Edited Oct 29, 2020

ASSIGNMENT - 2 (PCE QUIZ ACTIVITY)

II ECE - CONTROL SYSTEM ENGINEERING

Stream Classwork People Grades

ASSIGNMENT - 1

ASSIGNMENT - 1 1 Edited Oct 29, 2020

II ECE
A

Stream Classwork People Grades

Create

Google Calendar Class Drive folder

MCQ UNIT-III,IV &V	Posted 15-Nov-2020
REVISION-IV	*Draft*
MCQ (UNIT- I &II)	Posted 08-Nov-2020
ADC MODEL LAB	Posted 03-Nov-2020
Revision -II	Posted 02-Nov-2020
CAT-III DESCIPTIVE	Posted 29-Oct-2020
Revision test-1	Edited 29-Oct-2020
CAT-III	Posted 23-Oct-2020
ASSIGNMENT-III (UNIT-V)	Due 25-Oct-2020

II ECE
A

Stream Classwork People Grades

II ECE - EC8392- DIGITAL ELECTRONICS (2021-2022 ODD SEM)

Stream Classwork People Grades

Customize

II ECE - EC8392- DIGITAL ELECTRONICS (202...

Announce something to your class

Vennila D posted a new material: DIGITAL UNIT-5 MATERIAL
Oct 7

Vennila D posted a new material: DIGITAL UNIT-3 MATERIAL
Oct 5

Vennila D posted a new material: DIGITAL QUESTION BANK
Sep 21

Vennila D posted a new assignment: CAT-1 EXAM ANSWER SHEETS
Sep 18

Vennila D posted a new assignment: DIGITAL ASSIGNMENT-1
Sep 18

Vennila D posted a new material: DIGITAL ELECTRONICS UNIT-2 MATERIAL

II ECE - EC8392- DIGITAL ELECTRONICS (2021-2022 ODD SEM)

Stream Classwork People Grades

II EEE - EE8351- DIGITAL LOGIC CIRCUITS

Stream Classwork People Grades

Customize

II EEE - EE8351- DIGITAL LOGIC CIRCUITS

Announce something to your class

20EE08-Gushendra Prasath.P
Oct 17

DLC PCE 2

20EE08 Gushendra pras...

Add class comment...

Vennila D posted a new material: DLC QUESTION BANK
Sep 21

velmurugan Velmurugan
Sep 20

K. Velmurugan

38-EE8351-DLC.pdf

II EEE - EE8351- DIGITAL LOGIC CIRCUITS

Stream Classwork People Grades

DLC CAT-1 EXAM QUESTION PAPER

DLC -CAT-1 QP.doc

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Vennila D posted a new assignment: CAT-1 EXAM ANSWER SHEETS
Sep 18

Vennila D posted a new assignment: DLC ASSIGNMENT-1
Sep 18

Vennila D posted a new material: DLC MATERIAL FOR ALL THE 5 UNITS
Sep 8

COMMUNICATION THEORY
II ECE

Stream Classwork People Marks

Customise

COMMUNICATION THEORY
II ECE

Announce something to your class

vennila arivalagan posted a new assignment: Model Exam -3 (100 marks)
4 Jun

17_Karthick Karthick
26 May

17_ karthick

17_ karthick model exam...

Add class comment...

vennila arivalagan posted a new assignment: Model Exam -2 (100 Marks)
26 May

04_ Dharmadurai. A
15 May

Model exam

COMMUNICATION THEORY
II ECE

Stream Classwork People Marks

vennila arivalagan posted a new assignment: Model Exam Answer sheets
15 May

17_Karthick Karthick
12 May
Revision 1
17_karthick revision1.pdf

Add class comment...

vennila arivalagan
8 May
UNIT - 5 SAMPLING AND QUANTIZATION
CT- UNIT-5 Sampling an...

Add class comment...

vennila arivalagan
8 May
UNIT - 4 NOISE CHARACTERIZATION
CT- UNIT-4 - Noise Char...

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COMMUNICATION THEORY
II ECE

Stream Classwork People Marks

vennila arivalagan posted a new assignment: Revision -1
8 May (Edited 8 May)

29_Prethiya.B
6 May

B.prethiya
Roll no 29

file1_1620298746409.pdf

Add class comment...

33_Ruthra. R III ECE
6 May

Revision test 1

file1_1620298746409.pdf

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10_Gayathri III ECE
6 May

Revision test 1

Drive file

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COMMUNICATION THEORY
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16_Karikalan.G
5 May

G.Karikalan
19EC16
Revision test 1

CT Revision.pdf

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37_ Shathana. B III ECE
5 May

37_B.Shathana Revision test 1 CT

37_B.Shathana CT revisi...

Add class comment...

31_Ramana Bharathi S III ECE
5 May

RT1 _31_RAMANA BHARATHI S

2021-0517054334My Do...

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COMMUNICATION THEORY
II ECE

Stream Classwork People Marks

K. priyanka _30 Revision...

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22 _ Madhumitha.G III ECE
5 May

G.MADHUMITHA R.NO 22
REVISION TEST-I

G.MADHUMITHA R.NO 2...

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41_ Swethaa SM III ECE
5 May

41_SM.Swethaa revision test 1 CT

41_Revision test 1 CT.pdf

Add class comment...

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VIRTUAL LAB SESSION

VIRTUAL LAB SESSIONS

Year/ Sem	Class	Virtual lab title	Conducted date	Beneficiaries	Name of the staff handled
2017-18 (Even)	II ECE	Basic Electronics Lab (Simulation based)	15-02-18 & 21-02-18	56	Mrs.D.Vennila
	III ECE	Digital VLSI Design Lab (Simulation based)	15-02-18 & 21-02-18	95	Mr.S.Ramarajan
2018-19 (Odd)	II ECE	Virtual Electric Circuits lab	27.08.2018 & 30.08.2018	49	Mrs.D.Vennila
	III ECE	Hybrid Electronics Lab	27.08.2018 & 29.08.2018	56	Mr. T. Jeyaseelan
2018-19 (Even)	II ECE	Basic Electronics Lab (Simulation based)	07.02.2019 & 11.02.2019	49	Mr.S.Ramarajan
	III ECE	Digital VLSI Design Lab (Simulation based)	07.02.2019 & 11.02.2019	53	Mr. T. Jeyaseelan
2019-20 (Odd)	II ECE	Virtual Electric Circuits lab	20.08.2019 & 22.08.2019	35	Mrs.D.Vennila
	III ECE	Hybrid Electronics Lab	20.08.2019 & 22.08.2019	44	Mr. T. Jeyaseelan
2019-20 (Even)	II ECE	Digital Logic design lab	09.03.2020 & 12.03.2020	35	Mr.A.Herald & Mr.T.Pasupathi
	III ECE	Digital VLSI Design Lab (Simulation based)	11.03.2020 & 12.03.2020	42	Mr. S.Ramarajan & Mrs. U.Jeyamalar
2020-21 (Odd)	II ECE	Digital Electronic Circuits lab	24.10.2020	40	Mr. S.Sivakumar
	III ECE	Digital signal processing lab	17.10.2020	35	Mr.S.Ramarajan
	IV ECE	RF Microwave characterization	17.10.2020	42	Mr.R.Balakrishnan
2020-21 (Even)	II ECE	Circuit design and simulation lab	10.05.2021	40	Mrs.D.Vennila & Mrs.U.Jeyamalar
		LIC lab	10.05.2021	40	M.R.Thandayuthapani & Mr.K.Sudarsanan
	III ECE	Microprocessor and Microcontroller lab	10.05.2021	36	R.Sathyaraj
		VLSI Design lab	10.05.2021	36	Mr. T. Jeyaseelan Mr.R.Balakrishnan

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2020-2021) EVEN SEM

REPORT
ON
VIRTUAL LAB SESSIONS

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2020-2021 / EVEN SEMESTER

DATE: 05-05-21

From

Mrs.D.Vennila, AP,
Department of ECE,
IQAC Member,
Kings College of Engineering,
Punalkulam.

To

The HOD,
Department of ECE,
Kings College of Engineering,
Punalkulam.

Respected Madam,

Sub: Seeking permission for conducting Virtual lab Sessions for II & III year - reg.

This is to inform you that, as a part of our IQAC activities, it is planned to conduct virtual lab sessions for second and third year ECE students. So I kindly request you to give permission for conducting the virtual lab session on 10-05-2021 through online mode.

Thank you

Yours sincerely,

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2020-2021 / EVEN SEMESTER

CIRCULAR

DATE: 06-05-21

In order to enrich our student learning, it was planned to conduct virtual lab sessions for second and third year students on 10-05-2021(Monday) through online mode. In this regard, the title and schedule are given below. The lab handling staff members are requested to conduct the virtual lab session by following the schedule and also they are requested to post their virtual lab screen shots to the department IQAC member.

VIRTUAL LAB TITLE:

Second year students:

Circuit Design and Simulation Lab

- RC phase shift oscillator
- Wien bridge Oscillator
- Hartley & Colpitts Oscillator
- Astable and Monostable multivibrators
- Schmitt trigger circuit
- Twin T & Tuned collector Oscillator
- Analysis of Power Amplifiers

LIC Lab

- Inverting and Non inverting differential amplifiers
- Integrator and Differentiator
- Astable & Monostable Multivibrators using Op-amp
- Frequency multiplier
- Schmitt trigger circuit

Third year students:

Microprocessor and Microcontroller Lab

- Basic Arithmetic and logical operations
- Traffic Light Controller
- Stepper motor control
- Digital clock
- Keyboard display
- Printer status
- Serial and Parallel Interface

VLSI Design lab

- Design of an Adder & multiplier using HDL
- Design of an Arithmetic Logic Unit
- Finite state machine design using HDL.
- Universal Shift register Design using HDL.
- CMOS Inverter & Inverting Amplifier
- CMOS Basic gates & Flip-flops
- Synchronous counter using Flip-flops.

LAB SCHEDULE:

S.NO	CLASS	DATE	FORENOON SESSION (10.00 a.m – 12.00 Noon)	AFTERNOON SESSION (02.00 p.m – 04.00 p.m)
1.	II ECE	10-05-2021	EC 8462- Linear Integrated Circuits Lab	EC 8461 – Circuits Devices and Simulation Lab
2.	III ECE	10-05-2021	EC 8681- Microprocessor and Microcontroller Lab	EC 8661- VLSI Design Lab

Venue: Online mode

Platform: Google meet

Date: 10-05-21 (Monday)

IQAC Member
(D.Vennila)

HOD / ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2020-2021) EVEN SEMESTER

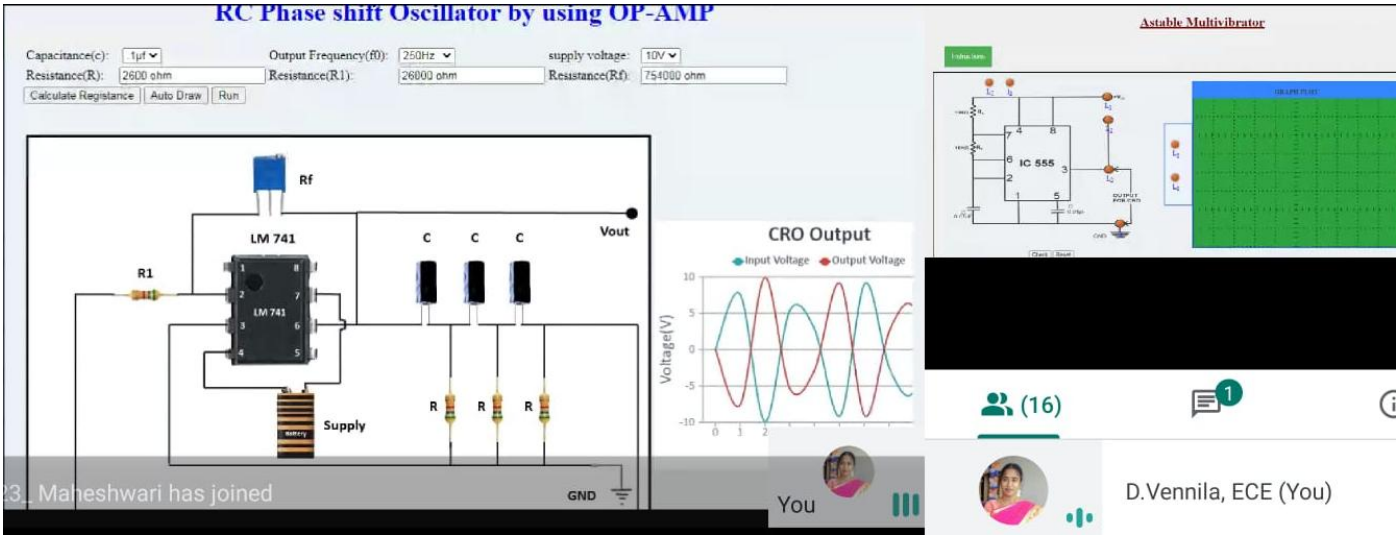
REPORT ON VIRTUAL LAB SESSION

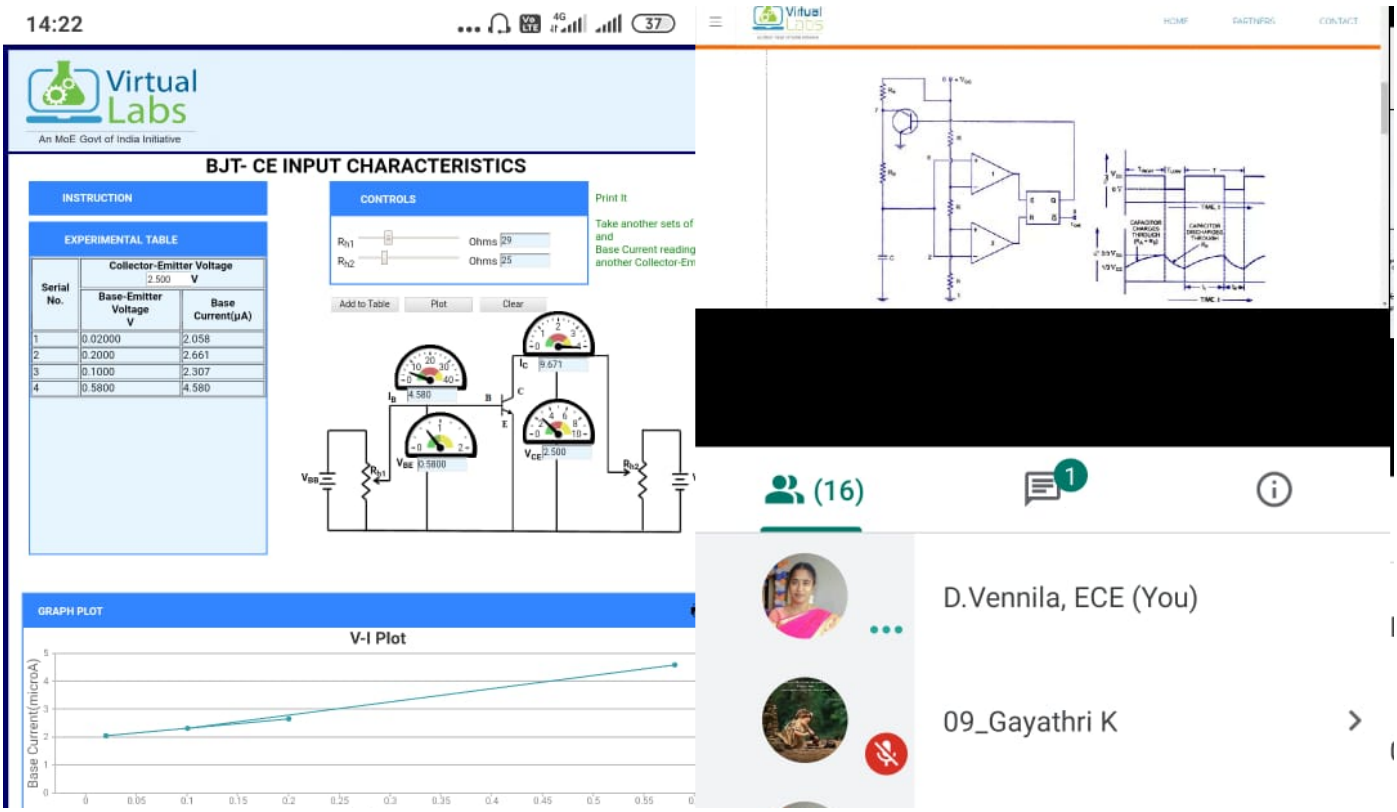
In KCE, department of Electronics and Communication Engineering, has organized a Virtual lab session for second and third year B.E-ECE students on 10-05-2021 (Monday) through Online mode.

The main objective of this lab session is to enrich our student learning by teaching them courses by implementation and performance features of a virtual lab environment for an electronic circuit's course. The primary purpose of the tool is to provide an environment that mimics some of the failure modes of a real lab, which aids the student in learning debugging techniques and to get familiarized with the usage of the tool for Electronic circuits applications.

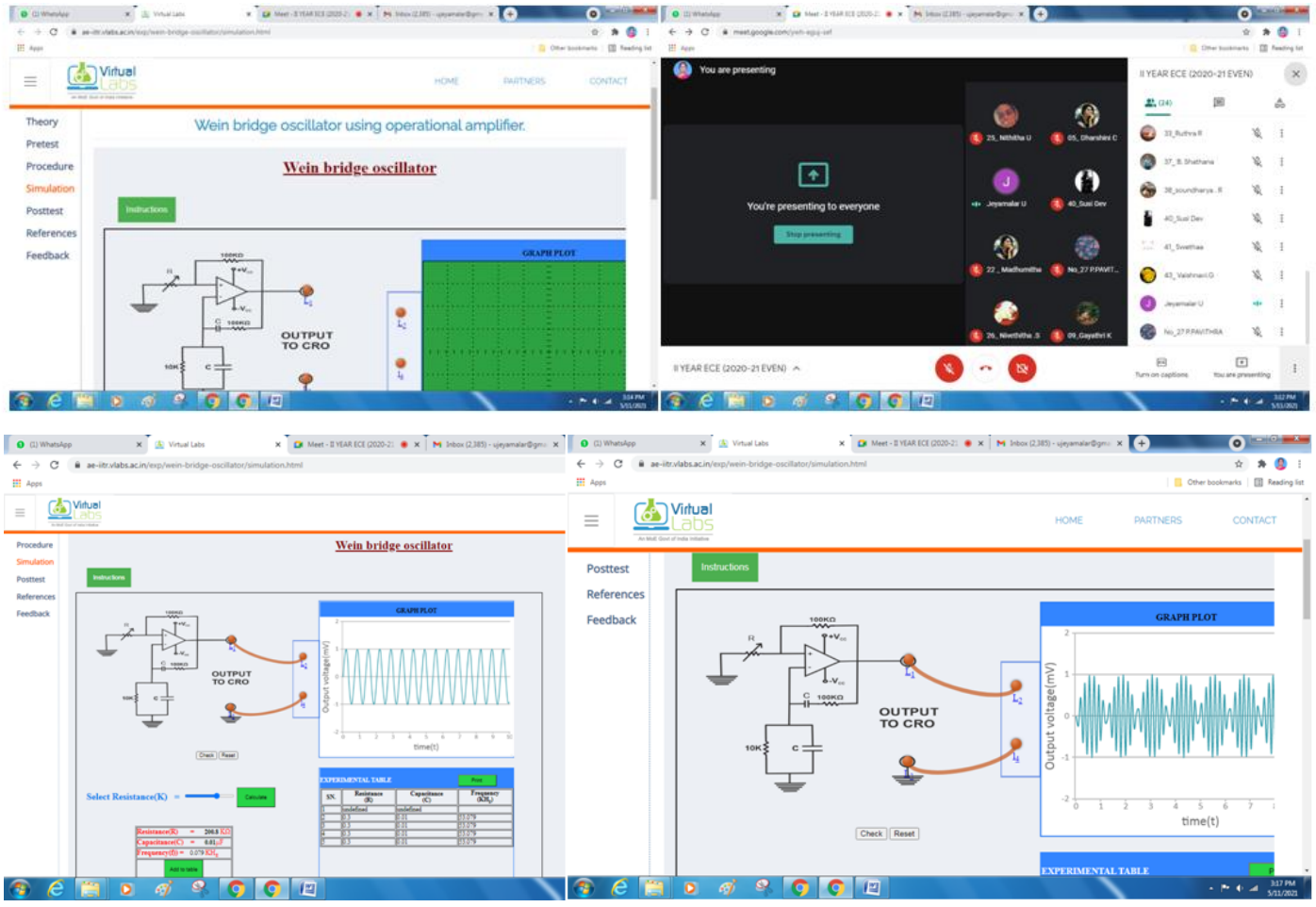
For second year students, the virtual lab session was conducted in the title of "**Circuit design and simulation lab"on 10-05-21 Afternoon session**. The topics covered under this title are RC phase shift oscillator, Wien bridge Oscillator, Hartley Oscillator, Colpitts Oscillator, Astable and Monostable multivibrators, Schmitt trigger circuit, Twin T Oscillator, Analysis of Power Amplifiers, Tuned collector Oscillator

Totally 40 students from II ECE have attended this lab session.





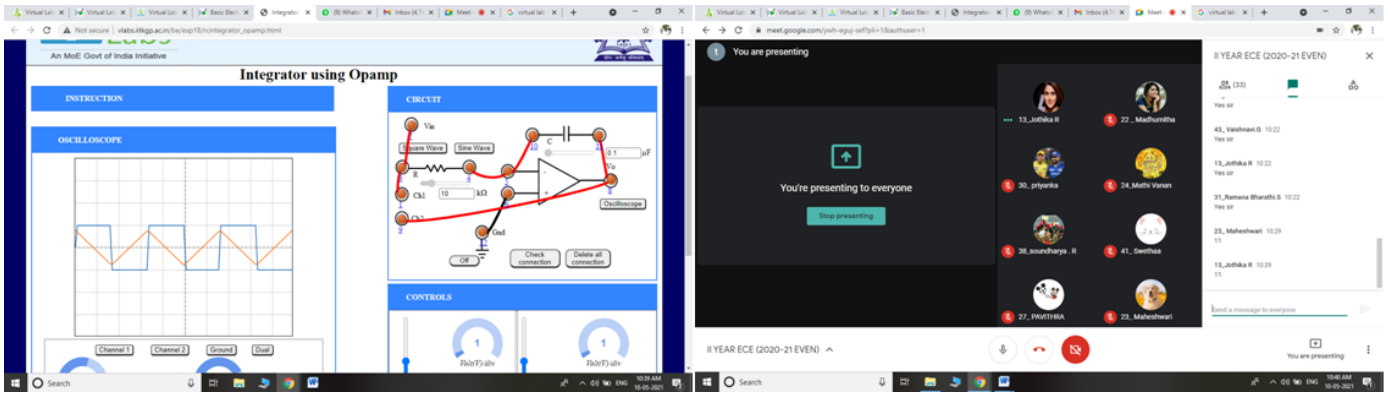
Mrs. D.Vennila, AP/ECE handling the virtual lab session for II ECE students

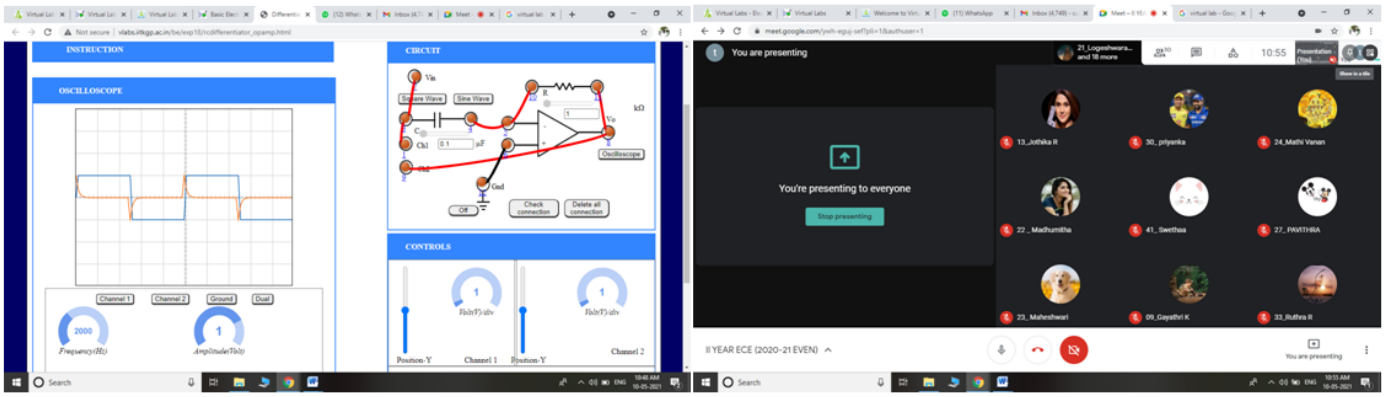


Mrs.U. Jeyamalar, AP/ECE handling the virtual lab session for II ECE students

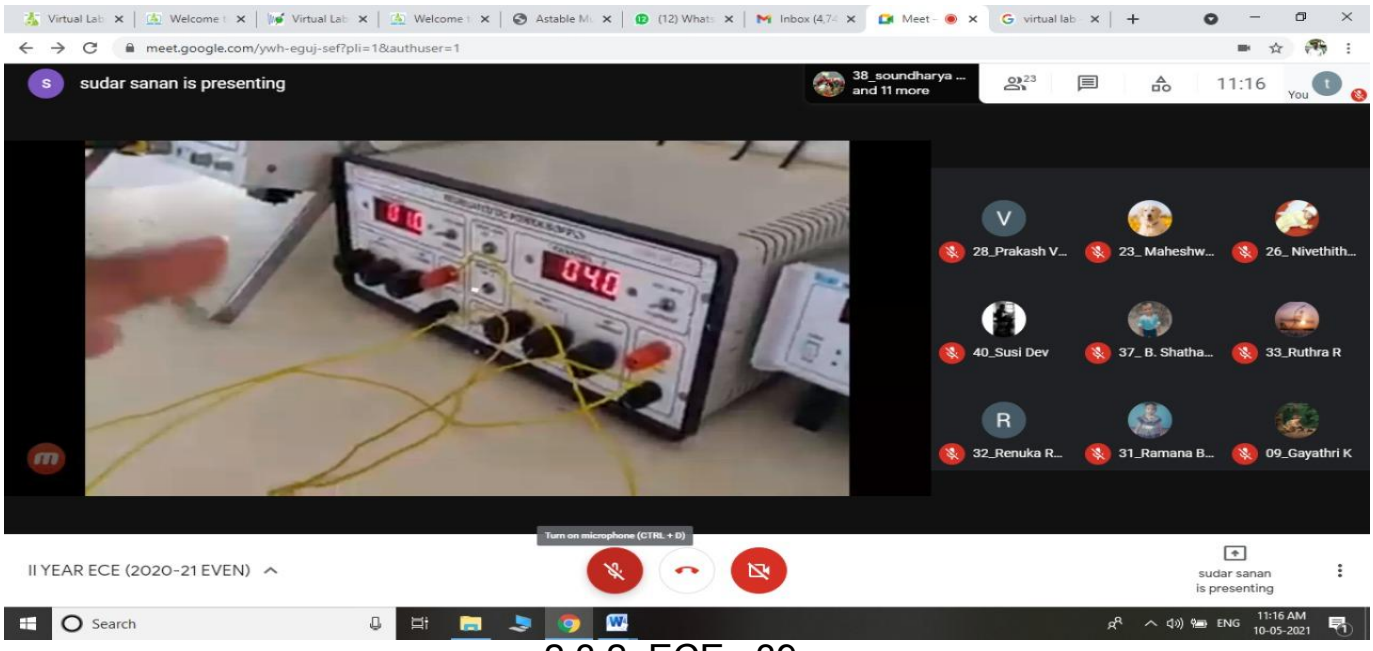
For second year students, the virtual lab session was conducted in the title of **"LIC lab" on 10-05-21 Forenoon session.** The topics covered under this title are Inverting and Non inverting differential amplifiers, Integrator and Differentiator, Astable & Monostable Multivibrators using Op-amp, Frequency multiplier and Schmitt trigger circuit.

Totally 40 students from II ECE have attended this lab session.





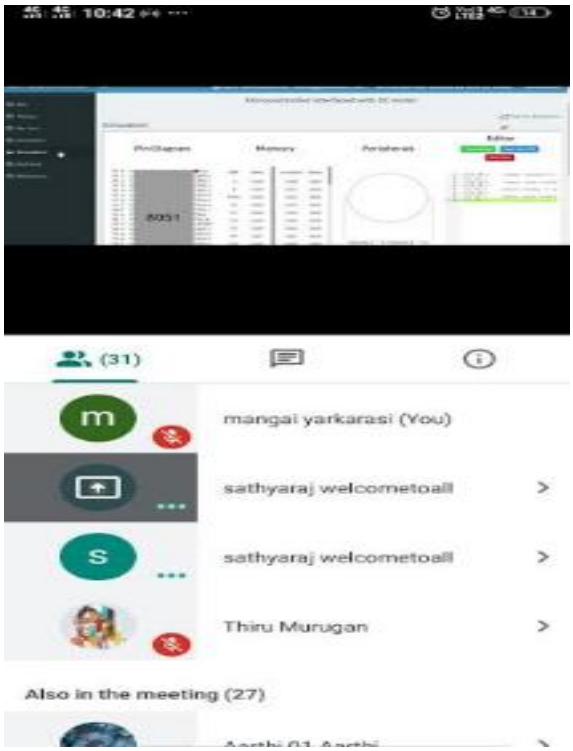
Mr. R.Thandayuthapani, AP/ECE handling the virtual lab session for II ECE students

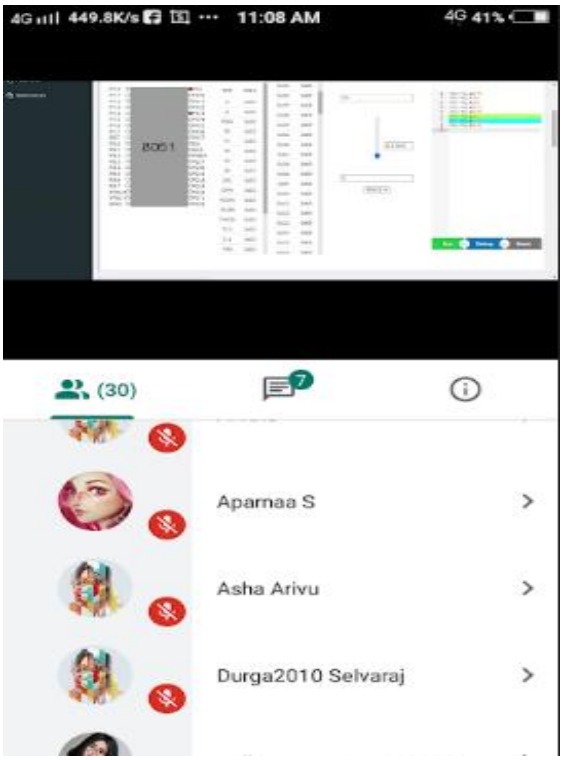


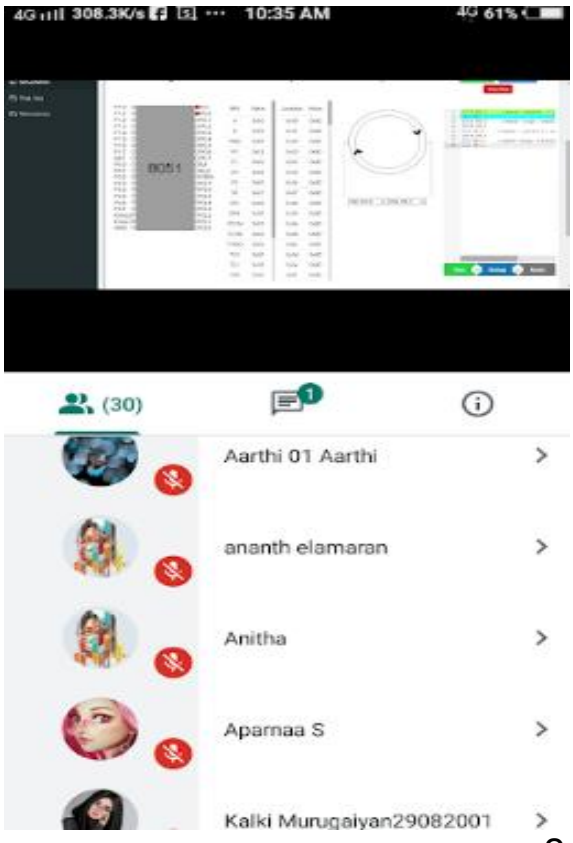
Mr. K.Sudarsanan, AP/ECE handling the virtual lab session for II ECE students

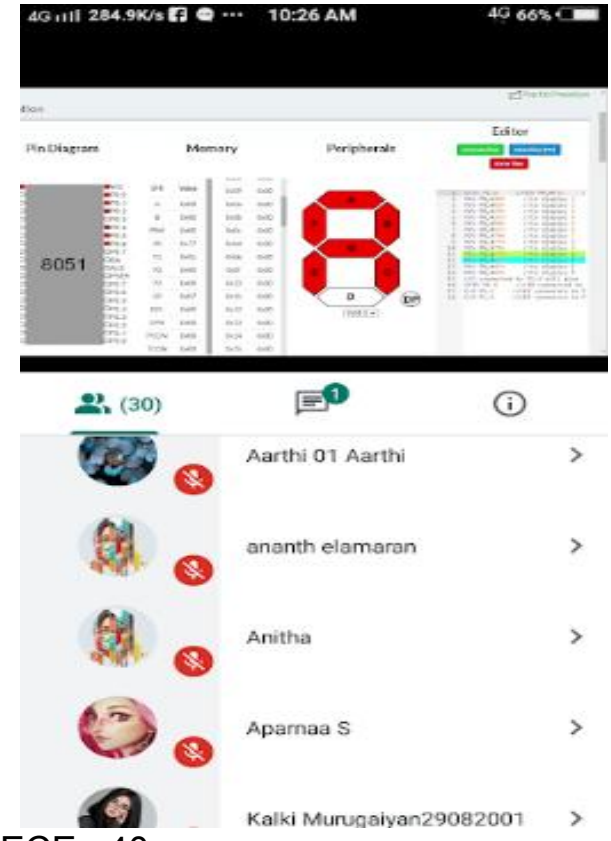
For third year students, the virtual lab session was conducted in the title of "**Microprocessor and Microcontroller lab" on 10-05-21 Forenoon session**. The topics covered under this title are Basic Arithmetic and logical operations, Traffic Light Controller, Stepper motor control, Digital clock, Keyboard display, Printer status, Serial and Parallel Interface.

Totally 36 students from III ECE have attended this lab session.





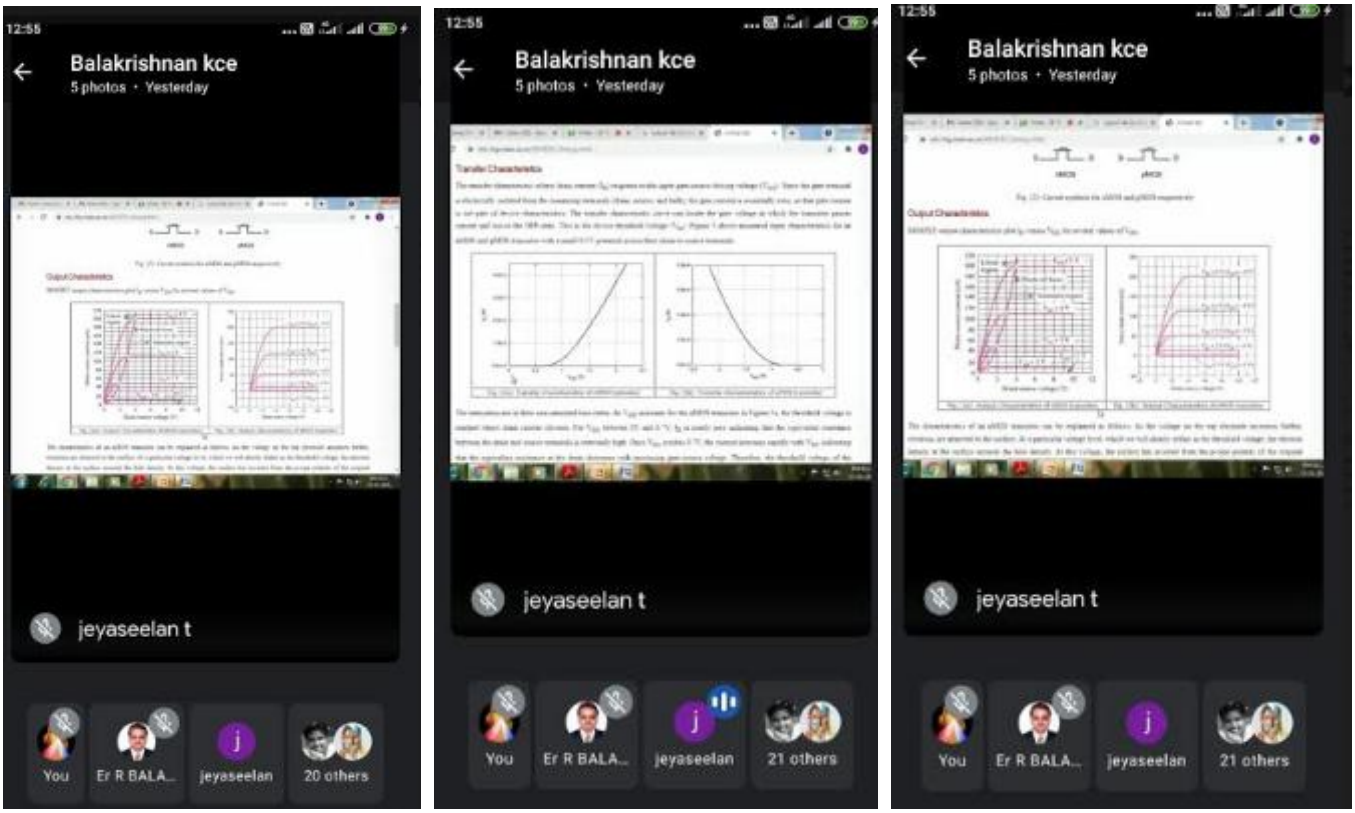




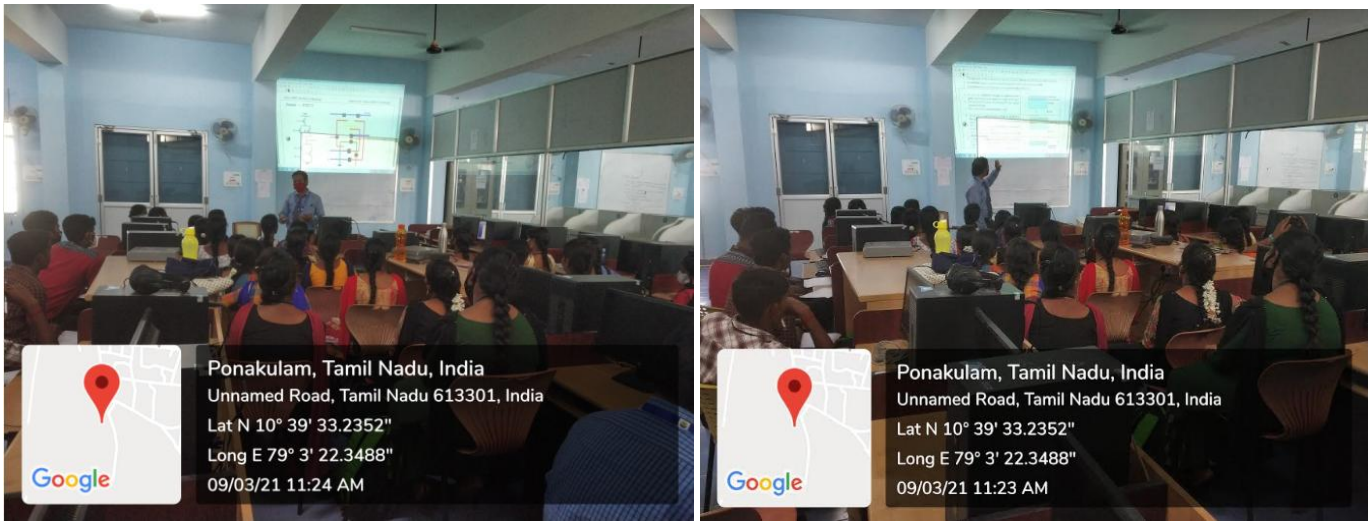
Mr.R.Sathyaraj, AP/ECE handled the virtual lab session for III ECE students.

For third year students, the virtual lab session was conducted in the title of "**VLSI Design lab" on 10-05-21 Afternoon session.** The topics covered under this title are Design of an Adder using HDL, Design of an Multiplier using HDL, Design of an Arithmetic Logic Unit, Finite state machine design using HDL, Universal Shift register Design using HDL, CMOS Inverter & Inverting Amplifier, CMOS Basic gates & Flip-flops and Synchronous counter using Flip-flops.

Totally 36 students from III ECE have attended this lab session.



Mr. T. Jeyaseelan, AP/ECE & Mr.R.Balakrishnan, AP/ECE handling the virtual lab session for III ECE students.



***Mr.T. Jeyaseelan, AP/ECE handled the virtual lab session Phase-I on 09-03-21 for* III year students.**

Totally 35 students from III ECE have attended this lab session and gained knowledge.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2019-2020) ODD SEM

REPORT
ON
VIRTUAL LAB SESSIONS

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2019-2020 / ODD SEMESTER

DATE: 07-07-19

From

Mrs.D.Vennila, AP,
Department of ECE,
IQAC Member,
Kings College of Engineering,
Punalkulam.

To

The HOD,
Department of ECE,
Kings College of Engineering,
Punalkulam.

Respected Madam,

Sub: Seeking permission for conducting Virtual lab Sessions for II & III year - reg.

This is to inform you that, as a part of our IQAC activities, it is planned to conduct virtual lab sessions for second and third year ECE students. So I kindly request you to give permission for conducting the session during August first week in their lab timings.

Thank you

Yours sincerely,

D. Vennila

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2019-2020 / ODD SEMESTER

CIRCULAR

DATE: 17-07-19

In order to enrich our student learning, it was planned to conduct virtual lab sessions for second and third year students during first week of February during their lab timings. In this regard, the title and schedule are given below.

Second year students:

Title : Virtual electric circuits lab

- Parallel RC, LC circuits
- Thevenin's theorem
- Series RL circuits
- Norton's Theorem
- Series LCR circuits
- Kirchoff's law

Date : 01-08-19 to 20-08-19

Venue: Respective laboratory

Third year students:

Title : Hybrid electronics lab

- Code converters
- Registers
- ADC and DAC
- Arithmetic logic unit
- Multiplexer & demultiplexer
- Monostable and Astable Oscillators.

Date : 01-08-19 to 23-08-19

Venue: Respective laboratory

IQAC Member
(D.Vennila)

HOD / ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2019-2020) ODD SEMESTER

REPORT ON VIRTUAL LAB SESSION

In KCE, department of Electronics and Communication Engineering, has organized a Virtual lab session for second and third year B.E-ECE students in the month of August, at Electronic Circuits lab & VLSI lab.

The main objective of this lab session is to enrich our student learning by teaching them courses by implementation and performance features of a virtual lab environment for an electronic circuit's course. The primary purpose of the tool is to provide an environment that mimics some of the failure modes of a real lab, which aids the student in learning debugging techniques and to get familiarized with the usage of the tool for Electronic circuits applications.

For second year students, the virtual lab session was conducted in the title of "Virtual electric circuits lab". The topics covered under this title are Parallel RC & LC circuits, Thevenin's theorem, Series RL circuits, Norton's Theorem, Series LCR circuits and Kirchoff's law.

Totally 35 students from II ECE have attended this lab session.

Mrs. D.Vennila, AP/ECE handling the virtual lab session for II ECE students

For third year students, the virtual lab session was conducted in the title of "Hybrid electronics lab". The topics covered under this title are Code converters, Registers, ADC and DAC, Arithmetic logic unit, Multiplexer & Demultiplexer, Monostable and Astable Oscillators.

Mr. T.Jeyaseelan, AP/ECE handling the virtual lab session for III ECE students.

The students eagerly listening the session.

Totally 44 students from III ECE have attended this lab session and gained knowledge.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2018-2019) EVEN SEM

REPORT
ON
VIRTUAL LAB SESSIONS

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

DATE: 08-01-19

From

Mrs.D.Vennila, AP,
Department of ECE,
IQAC Member,
Kings College of Engineering,
Punalkulam.

To

The HOD,
Department of ECE,
Kings College of Engineering,
Punalkulam.

Respected Madam,

Sub: Seeking permission for conducting Virtual lab Sessions for II & III year - reg.

This is to inform you that, as a part of our IQAC activities, it is planned to conduct virtual lab sessions for second and third year ECE students. So I kindly request you to give permission for conducting the session during February first week in their lab timings.

Thank you

Yours sincerely,

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

CIRCULAR

DATE: 08-02-18

In order to enrich our student learning, it was planned to conduct virtual lab sessions for second and third year students during first week of February during their lab timings. In this regard, the title and schedule are given below.

Second year students:

Title : Basic Electronics lab (Simulation Based)

- Capacitive rectification
- BJT common emitter characteristics
- BJT common Base characteristics
- Zener diode voltage regulator
- Study of BJT CE amplifier
- RC differentiator and Integrator

Date : February first week lab duration

Venue: Respective laboratory

Third year students:

Title : Digital VLSI design virtual lab (simulation Based)

- To plot the characteristics of MOSFET
- To design the characteristics of CMOS inverter
- To design a ring oscillator
- To design the latches and registers.

Date : February first week lab duration

Venue: Respective laboratory

IQAC Member
(D.Vennila)

HOD / ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2018-2019) EVEN SEMESTER

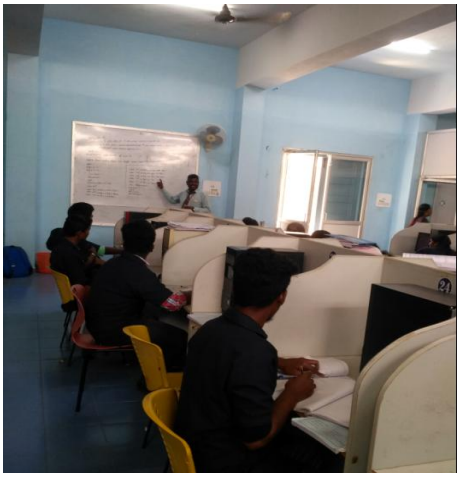
REPORT ON VIRTUAL LAB SESSION

In KCE, department of Electronics and Communication Engineering, has organized a Virtual lab session for second and third year B.E-ECE students on 07-02-19 and 11-02-19 at DSP lab & VLSI lab.

The main objective of this lab session is to enrich our student learning by teaching them courses by implementation and performance features of a virtual lab environment for the basic electronic circuit's course. The primary purpose of the tool is to provide an environment that mimics some of the failure modes of a real lab, which aids the student in learning debugging techniques and to get familiarized with the usage of the tool for Electronic circuits applications.

The Digital signal processing course involves taking an input signal, performing some action on the signal to generate a new waveform as the output. The action may be amplification, filtering or any other function applied on the signal. All signals in nature are continuous.

For second year students, the virtual lab session was conducted in the title of "**Basic Electronics lab (Simulation Based)"**. The topics covered under this title are BIT common emitter characteristics, BIT common Base characteristics, Zener diode voltage regulator, Study of BIT CE amplifier & RC differentiator and Integrator circuits.



Mr. S.Ramarajan, AP/ECE handling the virtual lab session for II ECE students.

The students eagerly listening the session.

Totally 49 students from II ECE have attended this lab session.

For third year students, the virtual lab session was conducted in the title of "**Digital VLSI design virtual lab (simulation Based)"**. The topics covered under this title are :

To plot the characteristics of MOSFET

To design the characteristics of CMOS inverter

To design a ring oscillator

To design the latches and registers.

These experiments enable a student to learn how to view the real life analog signal with an oscilloscope. How to set the amplitude, frequency and phase of the signal source. How to set the sampling frequency of the source. etc..




Mr.T.Jeyaseelan, AP/ECE handling the virtual lab session for III ECE students.

Totally 53 students from III ECE have attended this lab session and gained knowledge.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2018-2019 / ODD SEMESTER

CIRCULAR

DATE: 23-08-18

In order to enrich our student learning, it was planned to conduct virtual lab sessions for second and third year students during next week in their lab timings. In this regard, the title and schedule are given below.

Second year students:

Title : Virtual electric circuits lab

- Parallel RC, LC circuits
- Thevenin's theorem
- Series RL circuits
- Norton's Theorem
- Series LCR circuits
- Kirchoff's law

Date : 27-08-18 to 30-08-18

Venue: Respective laboratory

Third year students:

Title : Hybrid electronics lab

- Code converters
- Registers
- ADC and DAC
- Arithmetic logic unit
- Multiplexer & demultiplexer
- Monostable and Astable Oscillators.

Date : 27-08-18 to 30-08-18

Venue: Respective laboratory

IQAC Member
(D.Vennila)

HOD / ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2018-2019 / ODD SEMESTER

DATE: 23-08-18

From

Mrs.D.Vennila, AP,
Department of ECE,
IQAC Member,
Kings College of Engineering,
Punalkulam.

To

The HOD,
Kings College of Engineering,
Punalkulam.

Respected Madam,

Sub: Seeking permission for conducting Virtual lab Sessions for II & III year - reg.

I bring to your kind notice that, as a part of our IQAC activities, it is planned to conduct virtual lab sessions for second and third year ECE students. So I kindly request you to give permission for conducting the session during their lab timings in next week.

Thank you

Yours sincerely,

D. Vennila

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2018-2019) ODD SEM

REPORT ON VIRTUAL LAB SESSION

In KCE, department of Electronics and Communication Engineering, has organized a **Virtual lab session** for second and third year B.E-ECE students from 27-08-18 to 30-08-18**, at Electronic Circuits lab & VLSI lab.**

The **main objective** of this lab session is to enrich our student learning by teaching them courses by implementation and performance features of a virtual lab environment for an electronic circuit's course. The primary purpose of the tool is to provide an environment that mimics some of the failure modes of a real lab, which aids the student in learning debugging techniques and to get familiarized with the usage of the tool for Electronic circuits applications.

For second year students, the virtual lab session was conducted in the title of "**Virtual electric circuits lab"**. The topics covered under this title are Parallel RC & LC circuits, Thevenin's theorem, Series RL circuits, Norton's Theorem, Series LCR circuits and Kirchoff's law.

Totally 49 students from II ECE have attended this lab session.

Mrs. D.Vennila, AP/ECE handling the virtual lab session for II ECE students

For third year students, the virtual lab session was conducted in the title of "**Hybrid electronics lab**". The topics covered under this title are Code converters, Registers, ADC and DAC, Arithmetic logic unit, Multiplexer & Demultiplexer, Monostable and Astable Oscillators.

Mr. T.Jeyaseelan, AP/ECE handling the virtual lab session for III ECE students.

The students eagerly listening the session.

Totally 56 students from III ECE have attended this lab session and gained knowledge.

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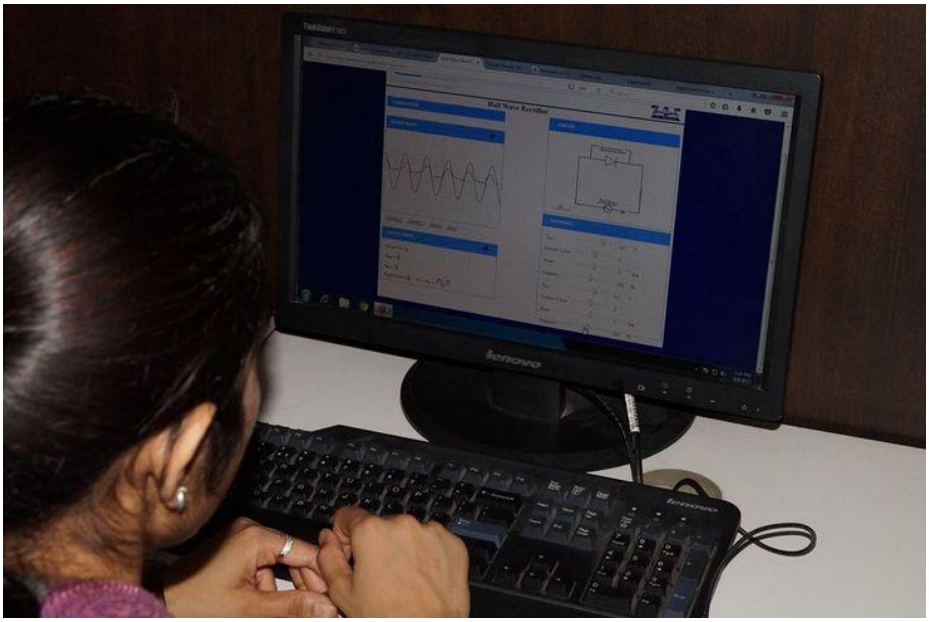
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2017-2018) EVEN SEM

REPORT
ON
VIRTUAL LAB SESSIONS



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2017-2018 / EVEN SEMESTER

DATE: 08-02-18

From

Mrs.D.Vennila, AP,
Department of ECE,
IQAC Member,
Kings College of Engineering,
Punalkulam.

To

The HOD,
Department of ECE,
Kings College of Engineering,
Punalkulam.

Respected Madam,

Sub: Seeking permission for conducting Virtual lab Sessions for II & III year - reg.

I bring to your kind notice that, as a part of our IQAC activities, it is planned to conduct virtual lab sessions for second and third year ECE students. So I kindly request you to give permission for conducting the session during their lab timings in next week.

Thank you

Yours sincerely,

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2017-2018 / EVEN SEMESTER

CIRCULAR

DATE: 08-02-18

In order to enrich our student learning, it was planned to conduct virtual lab sessions for second and third year students during next week in their lab timings. In this regard, the title and schedule are given below.

Second year students:

Title : Basic Electronics lab (Simulation Based)

- BIT common emitter characteristics
- BIT common Base characteristics
- Zener diode voltage regulator
- Study of BIT CE amplifier
- RC differentiator and Integrator

Date : 15-02-18

Venue: Respective laboratory

Third year students:

Title : Digital Signal Processing lab (simulation Based)

- Study of sampling theorem, effect of under sampling
- Study of DFT and its inverse.
- Study of FIR filter design using Window method. Low pass, high pass, band pass & band stop filter.
- Study of infinite impulse response (IIR) filters.

Date : 21-02-18

Venue: Respective laboratory

IQAC Member
(D.Vennila)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR (2017-2018) EVEN SEM

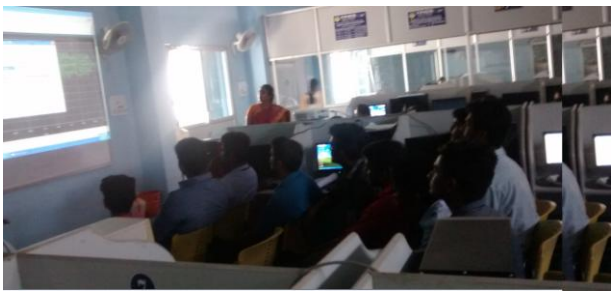
REPORT ON VIRTUAL LAB SESSION

In KCE, department of Electronics and Communication Engineering, has organized a Virtual lab session for second and third year B.E-ECE students on 15-02-18 and 21-02-18 at pallava hall & VLSI lab.

The main objective of this lab session is to enrich our student learning by teaching them courses by implementation and performance features of a virtual lab environment for the basic electronic circuit's course. The primary purpose of the tool is to provide an environment that mimics some of the failure modes of a real lab, which aids the student in learning debugging techniques and to get familiarized with the usage of the tool for Electronic circuits applications.

The Digital signal processing course involves taking an input signal, performing some action on the signal to generate a new waveform as the output. The action may be amplification, filtering or any other function applied on the signal. All signals in nature are continuous.

For second year students, the virtual lab session was conducted in the title of "**Basic Electronics lab (Simulation Based)"**. The topics covered under this title are BIT common emitter characteristics, BIT common Base characteristics, Zener diode voltage regulator, Study of BIT CE amplifier & RC differentiator and Integrator circuits.



Mrs. D.Vennila, AP/ECE handling the virtual lab session for II ECE students.

The students eagerly listening the session.

Totally 56 students from II ECE have attended this lab session.

For third year students, the virtual lab session was conducted in the title of "**Digital Signal processing lab (simulation Based)"**. The topics covered under this title are Study of sampling theorem, effect of under sampling, Study of DFT and its inverse, Study of FIR filter design using Window method: Low pass, high pass, band pass & band stop filter& Study of infinite impulse response (IIR) filters. These experiments enable a student to learn how to view the real life analog signal with an oscilloscope. How to set the amplitude, frequency and phase of the signal source. How to set the sampling frequency of the source. etc..

Mr.S.Ramarajan, AP/ECE handling the virtual lab session for III ECE students.

Totally 95 students from III ECE have attended this lab session and gained knowledge.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NPTEL SESSION

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INTERNAL QUALITY ASSURANCE CELL

ACADEMIC YEAR 2019-2020 / ODD SEMESTER

NPTEL SESSION EXECUTION STATUS

DEPARTMENT : ECE

CLASS: II ECE /3rd sem

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA8352	Linear Algebra and Partial Differential Equations	Unit – 4 Classification of partial differential equations Unit-2 Matrix representation of a linear transformations	12.7.19 & 20.8.19	Mrs.S.Revathi	
EC8393	Fundamentals of Data Structures In C	Unit – 5 Bubble sort and Insertion Sort	4.9.19	Mrs.G.Chandra prabha	
EC8351	Electronic Circuits- I	Unit – 5 Power supply performance and testing	13.9.19	Mr.S.Sivakumar	
EC8352	Signals and Systems	Unit – 1 Linear & Non linear Time variant & Time invariant Causal &Non causal Stable & Unstable	03-07-19	Mr.T.Pasupathi	
EC8392	Digital Electronics	Unit – 3 Flip-flops- SR, JK,D,T and master slave operation and excitation tables	29.7.19	Mr.A.Herald	
EC8391	Control Systems Engineering	Unit – 1 Analytical design for PD, PI and PID control systems	19.7.19	Mrs.U.Jeyamalar	

CLASS: III ECE/ 5th sem

EC8501	Digital Communication	Unit-5 Hamming codes	3/9/19	Mrs.R.Ponni	
EC8553	Discrete-Time Signal Processing	Unit-2 Impulse invariance method, Bilinear transformation	23/7/19	Mr.R.Balakrishnan	

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
EC8552	Computer Architecture and Organization	Unit-1 Addressing and addressing modes	01.07.19	Mr.R.Sathyaraj	
EC8551	Communication Networks	Unit-2 IPV4 address	29/7/19	Mr.P.Rajapirian	
EC8073	Medical Electronics	Unit-1 Sources of bio medical signals, Bio potentials, Biopotential electrodes	25.06.19	Mr.S.Ramarajan	
ORO551	Renewable Energy Source	Unit – 2 Flat plate collector	13.7.19	Mrs.N.Mangaiyarkarasi	

CLASS: IV ECE /7th sem

EC6701	RF and Microwave Engineering	Unit-5 Spectrum analyzer, Network analyzer	22.8.19	Mr.R.Thandayuthapani	
EC6702	Optical Communication and Networks	Unit-1 Mode theory of circular wave guides	27.6.19	Mr.K.Sudarsanan	
EC6703	Embedded and Real Time Systems	Unit-3 Example of real time operating systems- POSIX-Windows CE	2/8/19	Dr.T.Shanthi	
EC6004	Satellite Communication	Unit-2 Space craft technology-structure, primary power. Unit-5 INTELSAT Series, INSAT , VSAT	08/07/19 21/08/19	Mr.W.Newton David Raj	
EC6011	Electro Magnetic Interference and Compatibility	Unit-2 Ground loop coupling Unit-3 Choice of materials for H,E and free space solids	16.07.19	Mrs,P,Thirumagal	
EC6016	Opto Electronic Devices	Unit-1 Review of solid state physics	28.6.19	Mrs.D.Vennila	

IQAC Member
(D.Vennila)

HOD / ECE 10/10/19

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INTERNAL QUALITY ASSURANCE CELL

ACADEMIC YEAR 2018-2019 / EVEN SEMESTER

NPTEL SESSION EXECUTION STATUS

DEPARTMENT : ECE

CLASS: II ECE /4th sem

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA8451	Probability and Random Processes	Unit – 1 Discrete and continuous random variables.	05.1.19	Mrs.S.Revathi	
EC8452	Electronic Circuits II	Unit – 2 Oscillator amplitude stabilization	25.01.19.	Mr.S.Ramarajan	
EC8491	Communication Theory	Unit – 1 DSBSC, SSB, VSB	04.01.19	Mrs.D.Vennila	
EC8451	Electromagnetic Fields	Unit – 5 Group velocity, EM power flow and pointing vector	7.3.19	Mrs.P.Thirumagal	
EC8453	Linear Integrated Circuits	Unit – 2 Logarithmic and Antilogarithmic amplifier.	10.1.19	Mr.K.Sudarsanan	
GE8291	Environmental science and Engineering	Unit – 1 Aquatic Eco systems Unit – 2 Nuclear hazards – soil waste management.	7.1.19 + 23.2.19	Dr.V.Sureshkumar	

CLASS: III ECE/ 6th sem

MG6851	Principles of Management	Unit – 1 Evolution of Management	28.12.19	Ms.B.BaranKumar	
CS6303	Computer Architecture	Unit – 5 Memory Hierarchy	27-02-19	Mr.T.Pasupathi	
CS 6551	Computer Networks	Unit – 5 DNS	4-3-19	Dr.T.Shanthi	
EC6602	Antenna &Wave Propagation	Unit – 5 Ground wave propagation	21.2.19	Ms.N.Mangaiyarkarasi	
EC6601	VLSI Design	Unit – 2 Examples of combinational logic design	10-01-19	Mr.P.Rajapirian	

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
EC6001	Medical Electronics	Unit – 5 Thermograph	27.2.19	Mr.R.Thandayuthapani	
CLASS: IV ECE -A/8th sem					
EC6801	Wireless Communication	Unit – 5 MIMO systems	15.2.19	Mrs.R.Ponni	
EC6802	Wireless networks	Unit – 2 Mobile IP session initiation protocol	19.01.19	Mr.W.Newton David Raj	
EC6018	Multimedia Compression and Communication	Unit – 4 CODEC methods Unit- 5 Streamed stored and audio-making the best effort service	20.2.19 & 26.2.19	Dr.T.Shanthi	
EC6019	Data Converters	Unit – 1 & 5 Switched capacitor architecture. Calibration techniques.	7.1.19 & 01.3.19	Mrs.U.Jeyamalar	
CLASS: IV ECE-B /8th sem					
EC6801	Wireless Communication	Unit – 5 MIMO systems	15.2.19	Mr.R.Sathyaraj	
EC6802	Wireless networks	Unit – 2 Mobile IP session initiation protocol	21.1.19	Mrs.P.Thirumagal	
EC6018	Multimedia Compression and Communication	Unit – 4 CODEC methods Unit- 5 Streamed stored and audio-making the best effort service	25.2.19 & 27.2.19	Mr.S.Sivakumar	
EC6019	Data Converters	Unit – 1 & 5 Switched capacitor architecture. Calibration techniques.	7.1.19 & 01.3.19	Mr.T.Jeyaseelan	

IQAC Member
(D.Vennila)

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INTERNAL QUALITY ASSURANCE CELL

ACADEMIC YEAR 2018-2019 / ODD SEMESTER

NPTEL SESSION EXECUTION STATUS

DEPARTMENT : ECE

CLASS: II ECE /3rd sem

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA8352	and Partial Differential Equations	Unit-3 Solutions of one dimensional wave equation, One dimensional equation of heat conduction		Mrs.G.Ramya Arockiamary	
EC 8391	Control System Engineering	Unit – 2 Type number-PID control	14.8.18	Mr.K.Sudarsanan	
EC8393	Object Oriented Programming and Data Structures	Unit – 5 Merge sort	1.10.18	Ms.R.Ranitha	
EC8392	Digital Electronics	Unit – 3 Synchronous counters, Synchronous Up/Down counters, Programmable counters	29.8.18	Ms.D.Vennila	
EC8352	Signals and Systems	Unit – 1 CT and DT systems Classification of Systems	13.7.18	Dr.T.Shanthi	
EC8351	Electronic Circuits- I	Unit – 1 & 2 Various biasing methods for BJT. Differential amplifiers - CMRR	23.8.18	Ms. C.M. Kalaiselvie	

CLASS: III ECE/ 5th sem

EC6501	Digital Communication	Unit – 5 Hamming codes	18.9.18	Ms.P.Geethabai	
EC6502	Principles of Digital Signal Processing	Unit – 2 Discrete time IIR filter from analog filter	25.7.18	Mr.S.Ramarajan	
EC6503	Transmission Lines and Wave guides	Unit – 5 TM and TE waves in Circular wave guides.	25/9/18	Ms.N.Mangaiyarkarasi	
GE6351	Environmental Science and Engineering	Unit – 1 & 2 aquatic ecosystems & Soil pollution	28/9/18	Dr. V.Suresh Kumar	
EC6504	Microprocessors and Microcontrollers	Unit – 5 Programming 8051 Timers	12.9.18	Mr.R.Thandayuthapani	

CLASS: IV ECE -A/7th sem

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
EC6701	RF and Microwave Engineering	Unit – 5 Spectrum analyzer, Network analyzer	15.9.18	Mr.R.Balakrishnan	
EC6702	Optical Communication and Networks	Unit – 5 Solitons	24.9.18	Ms.R.Ponni	
EC6703	Embedded and Real Time System	Unit – 3 Example Real time operating systems-POSIX-Windows CE.	25.8.18	Mr.S.Sivakumar	
E-II-EC6004	Satellite Communication	Unit – 5 INTELSAT series: INSAT, VSAT	15/9/18	Mr.P.Rajapirian	
E-III-EC 6011	Electromagnetic Interference and Compatibility	Unit – 3 Choice of Materials for H, E, and free space fields	16.8.18	Ms.U.Jeyamalar	
E-IV-EC6016	Opto Electronic devices	Unit – 1 Review of Solid State Physics	13.7.18	Mr.T.Jeyaseelan	

CLASS: IV ECE-B /7th sem

EC6701	RF and Microwave Engineering	Unit – 5 Spectrum analyzer, Network analyzer	14.09.18	Mr.R.Sathyaraj	
EC6702	Optical Communication and Networks	Unit – 5 Solitons	27.09.18	Mr.S.Ramarajan	
EC6703	Embedded and Real Time System	Unit – 3 Example Real time operating systems-POSIX-Windows CE.	29.8.18	Mr.T.Pasupathi	
E-II-EC6004	Satellite Communication	Unit – 5 INTELSAT series: INSAT, VSAT	24.9.18	Mr.T.Jeyaseelan	
E-III-EC 6011	Electromagnetic Interference and Compatibility	Unit – 3 Choice of Materials for H, E, and free space fields	24.8.18	Ms.P.Thirumagal	
E-IV-EC6016	Opto Electronic devices	Unit – 1 Review of Solid State Physics	12.7.18	Mr.A.Herald	

28/9/18

IQAC Member
(D.Vennila)

28/9/18

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INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2017-2018 / EVEN SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT : ECE

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
CLASS: II ECE-A /4th sem					
MA6451	Probability and Random Processes	Unit – 1 Discrete and continuous random variables.	22.2.18	Mr.G.Shankarakalidoss	
EC6401	Electronic Circuits II	Unit – 2 WIEN bridge, Twin-T, frequency range of RC & LC oscillators.	23.01.18	Ms. D. Vennila	
EC6402	Communication Theory	Unit – 1 DSBSC	10.1.18	Mr. K. Sudarsanan	
EC6403	Electromagnetic Fields	Unit – 2 Poissons equation and Laplace equation.	25.01.18	Ms. P. Geethabai	
EC6404	Linear Integrated Circuits	Unit – 2 Logarithmic and Antilogarithmic amplifier.	29.01.18	Mr. W. Newton David Raj	
EC6405	Control System Engineering	Unit – 2 P,PI,PD,PID compensations.	24/1/18	Mr.S.R.Karthikeyan	
CLASS: II ECE- B / 4th sem					
MA6451	Probability and Random Processes	Unit – 1 Discrete and continuous random variables.	22.2.18	Ms.J.Angelinthamaraiselvi	
EC6401	Electronic Circuits II	Unit – 2 WIEN bridge, Twin-T, frequency range of RC & LC oscillators.	11.1.18	Ms. U. Jeyamalar	
EC6402	Communication Theory	Unit – 1 DSBSC	28.12.17	Mr.A.Herald	
EC6403	Electromagnetic Fields	Unit – 2 Poissons equation and Laplace equation.	14.2.18	Ms. P.Thirumagal	
EC6404	Linear Integrated Circuits	Unit – 2 Logarithmic and Antilogarithmic amplifier.	23.1.18	Mr. R. Thandayuthapani	
EC6405	Control System Engineering	Unit – 2 P,PI,PD,PID compensations.	23.1.18	Mr. V.Moorthy	
CLASS: III ECE-A/ 6th sem					
MG6851	Principles of Management	Unit – 5 Budgetary and Non-budgetary control techniques.	26.2.18	Mr. B. Barankumar	
CS6303	Computer Architecture	Unit – 5 Memory Hierarchy		Mr.K.Rajesh	

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
CS 6551	Computer Networks	Unit – 5 DNS	13.3.18	Ms. D. Vennila	
EC6601	VLSI Design	Unit – 2 Combinational logic design eg.	08.1.18	Mr. T .Jeyaseelan	
EC6602	Antenna &Wave Propagation	Unit – 5 Ground wave propagation.	9.3.18	Ms. N. Mangaiyarkarasi	
EC6001	Medical Electronics	Unit – 5 Thermograph	5.3.18	Ms. R. Ponni	
		CLASS: III ECE-B /6th sem			
MG6851	Principles of Management	Unit – 5 Budgetary and Non-budgetary control techniques.	03/03/18	Mr. P. Rajapirian	
CS6303	Computer Architecture	Unit – 5 Memory Hierarchy	7.3.18	Ms.B.Sangeetha	
CS 6551	Computer Networks	Unit – 5 DNS	14.3.18	Mr.A.Herald	
EC6602	Antenna &Wave Propagation	Unit – 5 Ground wave Propagation	3.3.18	Mr. R. Balakrishnan	
EC6601	VLSI Design	Unit – 2 Combinational logic design eg.	08-01-18	Mr. T.Pasupathi	
EC6001	Medical Electronics	Unit – 5 Thermograph	02.03.18	Mr. R. Sathyaraj	
		CLASS: IV ECE /8th sem			
EC6801	Wireless Communication	Unit – 5 MIMO systems	1.2.18	Mr. K. Sudarsanan	
EC6802	Wireless networks	Unit – 5 4G Technologies: Multicarrier Modulation, Smart antenna techniques	7.3.18	Mr. S. Ramarajan	
EC6018	Multimedia Compression and Communication	Unit – 3 Dynamic Huffman Coding	20.1.18	Ms.T.Shanthi	
EC6019	Data Converters	Unit – 1 & 5 Switched capacitor architecture. Calibration techniques.	26.12.17 31.1.18	Mr.S.Sivakumar	

D. Vennila 14/3/18

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14/3/18

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INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2017-2018 / ODD SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT : ECE

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
CLASS: II ECE-A /3rd sem					
MA6351	Transforms and Partial Differential Equations	Unit-3 Solutions of one dimensional wave equation, One dimensional equation of heat conduction	8.9.17	Ms.S.Revathi	
EE6352	Electrical Engineering and Instrumentation	Unit – 2 construction and principle of operation of single phase transformer	11/7/17	Mr.S.R.Karthikeyan	
EC6301	Object Oriented Programming and Data Structures	Unit – 5 Merge sort	6/9/17	Mr.M.Arun	
EC6302	Digital Electronics	Unit – 3 Synchronous counters, Synchronous Up/Down counters, Programmable counters	04.8.17	Ms.D.Vennila	
EC6303	Signals and Systems	Unit – 1 CT and DT systems Classification of Systems	06.7.17	Ms.P.Geethabai	
EC6304	Electronic Circuits- I	Unit – 1 & 2 Various biasing methods for BJT. Differential amplifiers - CMRR	04.08.17	Mr.P.Rajapirian	
CLASS: II ECE- B / 3rd sem					
MA6351	Transforms and Partial Differential Equations	Unit-3 Solutions of one dimensional wave equation, One dimensional equation of heat conduction	11.9.17	Ms.N.Latha	
EE6352	Electrical Engineering and Instrumentation	Unit – 2 construction and principle of operation of single phase transformer	18.7.2017	Ms.E.Suganya	
EC6301	Object Oriented Programming and Data Structures	Unit – 5 Merge sort	6/9/17	Mr.M.Arun	
EC6302	Digital Electronics	Unit – 3 Synchronous counters, Synchronous Up/Down counters, Programmable counters	4.9.17 7TH HOUR	Mr.K.Sudarsanan	
EC6303	Signals and Systems	Unit – 1 CT and DT systems Classification of Systems	10.7.17	Mr.R.Balakrishnan	
EC6304	Electronic Circuits- I	Unit – 1 & 2 Various biasing methods for BJT. Differential amplifiers - CMRR	27.6.17 19.7.17	Ms.U.Jeyamalar	

CLASS: III ECE-A/ 5th sem

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
EC6501	Digital Communication	Unit – 5 Hamming codes	8.9.17	Ms.R.Ponni	
EC6502	Principles of Digital Signal Processing	Unit – 2 Discrete time IIR filter from analog filter	12.7.17	Mr.T.Jeyaseelan	
EC6503	Transmission Lines and Wave guides	Unit – 5 TM and TE waves in Circular wave guides.	09.9.17	Ms.N.Mangaiyarkarasi	
GE6351	Environmental Science and Engineering	Unit – 1 & 2 aquatic ecosystems & Soil pollution	3.7.17	Mr.R.Balakrishnan	
EC6504	Microprocessors and Microcontrollers	Unit – 5 Programming 8051 Timers	07.09.17	Mr.R.Thandayuthapani	
		CLASS: III ECE-B /5th sem			
EC6501	Digital Communication	Unit – 5 Hamming codes	08.09.17	Mr.R.Sathyaraj	
EC6502	Principles of Digital Signal Processing	Unit – 2 Discrete time IIR filter from analog filter	13.7.17	Mr.K.Sudarsanan	
EC6503	Transmission Lines and Wave guides	Unit – 5 TM and TE waves in Circular wave guides.	24.8.17	Mr.A.Herald	
GE6351	Environmental Science and Engineering	Unit – 1 & 2 aquatic ecosystems & Soil pollution	04/08/17	Mr.P.Rajapirian	
EC6504	Microprocessors and Microcontrollers	Unit – 5 Programming 8051 Timers	11.9.17	Ms.T.Shanthi	
		CLASS: IV ECE /7th sem			
EC6701	RF and Microwave Engineering	Unit – 5 Spectrum analyzer, Network analyzer	21.09.17	Mr.S.Ramarajan	
EC6702	Optical Communication and Networks	Unit –3 Solitons	17.08.17	Ms.B.Krishnaveni	
EC6703	Embedded and Real Time System	Unit – 3 Example Real time operating systems-POSIX-Windows CE.	4.8.17	Mr.S.Sivakumar	
E-II-EC6004	Satellite Communication	Unit – 5 INTELSAT series: INSAT, VSAT	23.09.17	Dr.J.Arputha Vijaya Selvi	
E-III-EC 6011	Electromagnetic Interference and Compatibility	Unit – 3 Choice of Materials for H, E, and free space fields	24.8.17	Ms.P.Thirumagal	
E-IV-EC6016	Opto Electronic devices	Unit – 1 Review of Solid State Physics	5.7.17	Mr.T.Pasupathi	

27/9/17

IQAC Member
(D.Vennila)

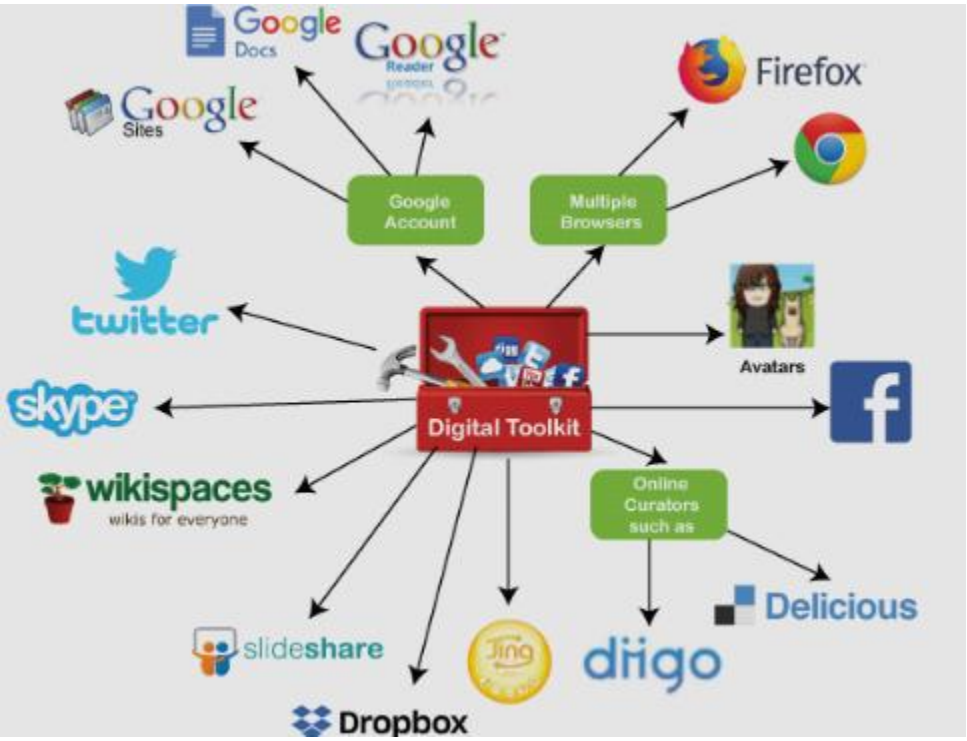
27/9/17

27/9.

HOD / ECE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

2.3.2 ICT TOOLS

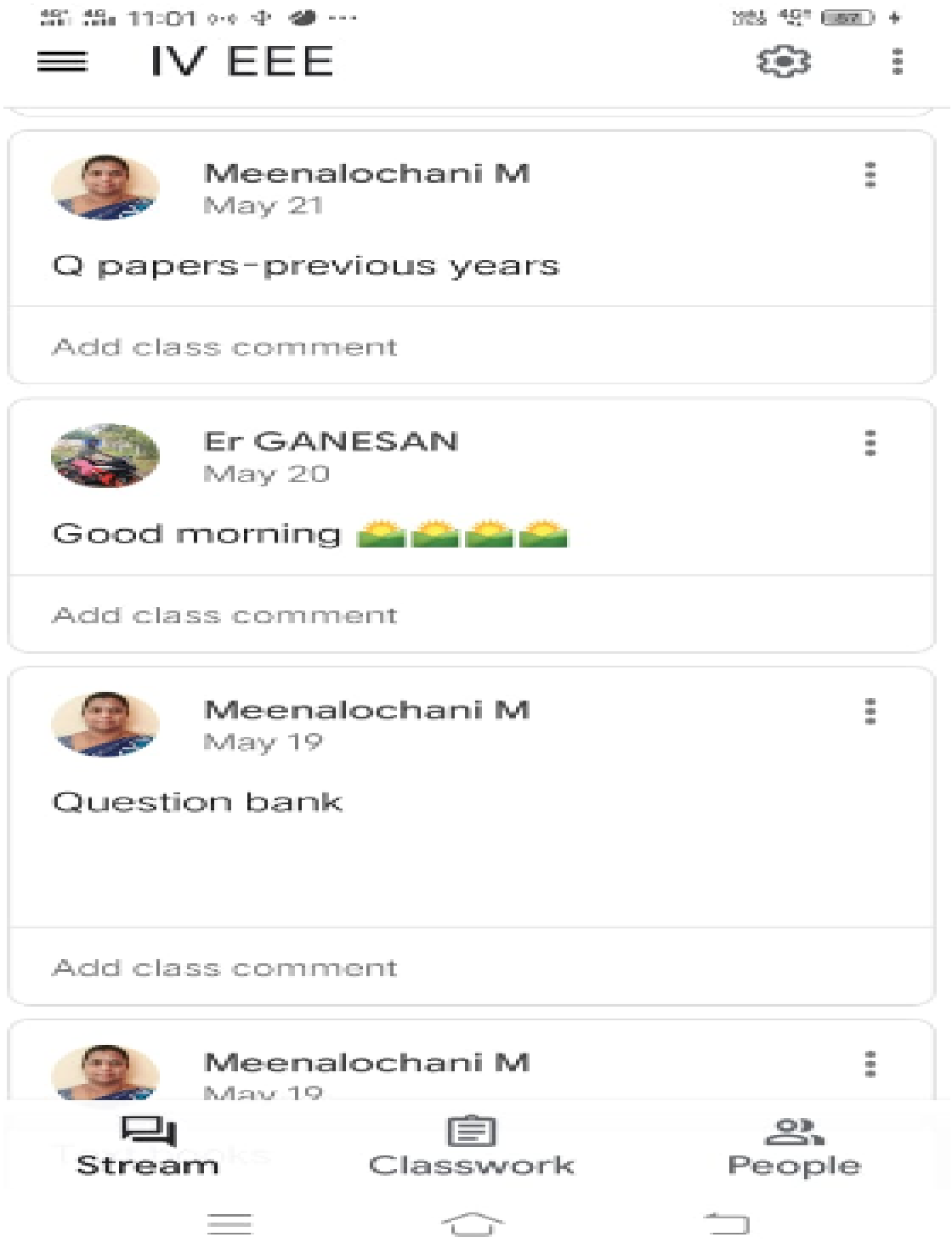


CONTENT

ACADEMIC YEAR: 2020-2021

BATCH: (2017-2021)

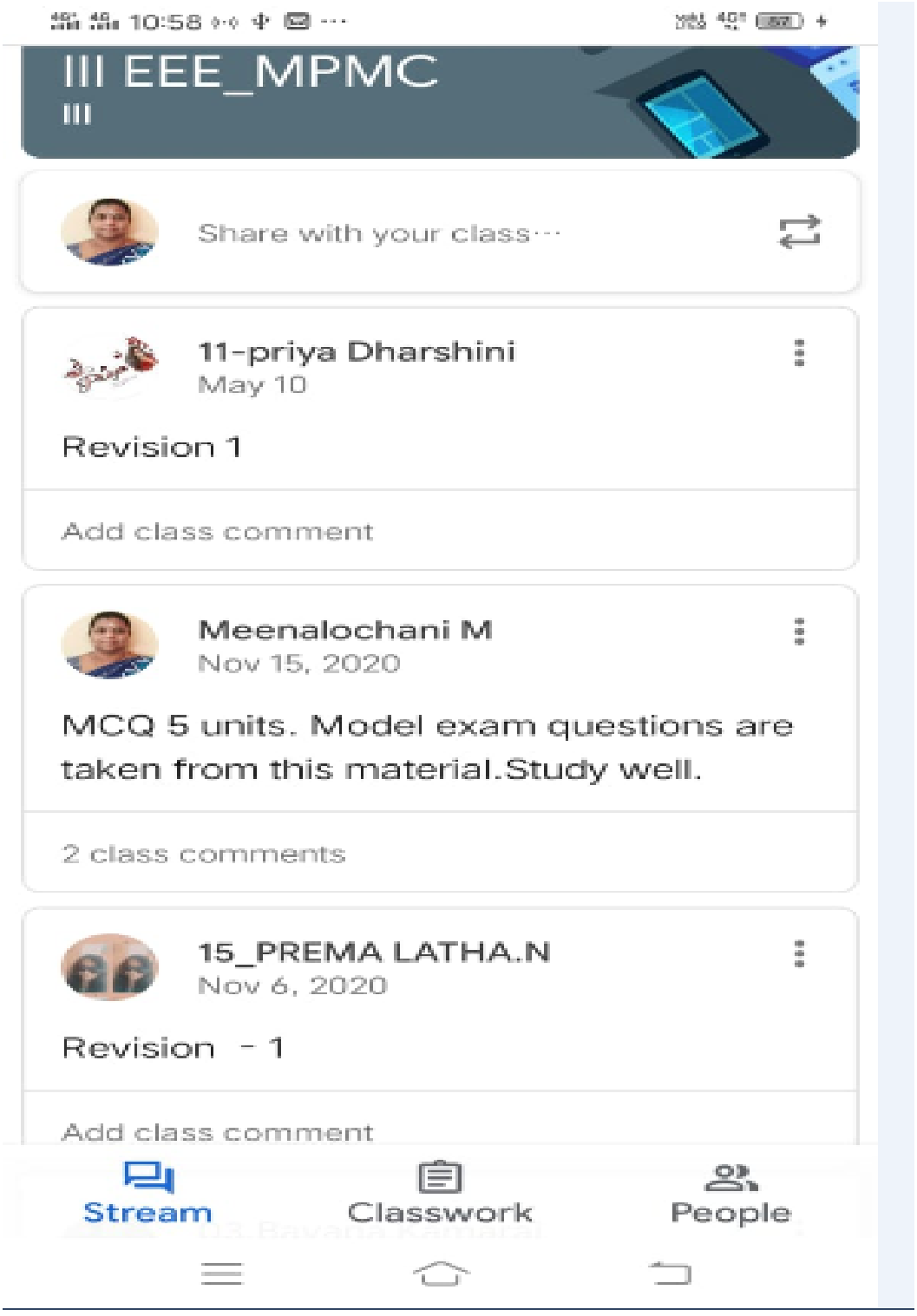
SUBJECT: MICROCONTROLLER BASED SYSTEM DESIGN

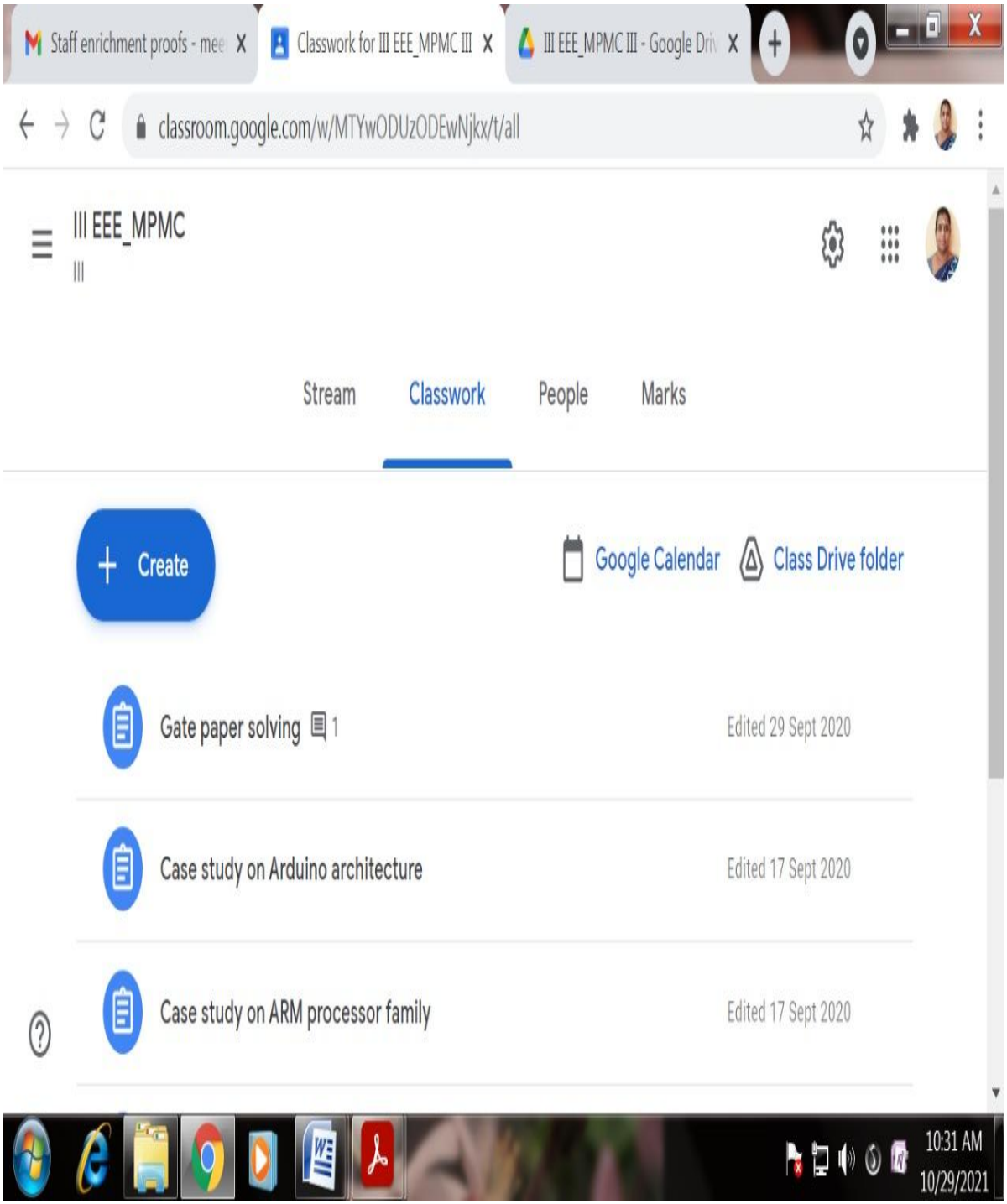


ACADEMIC YEAR: 2020-2021

BATCH: (2018-2022)

SUBJECT: MICROPROCESSOR AND MICRO CONTROLLER

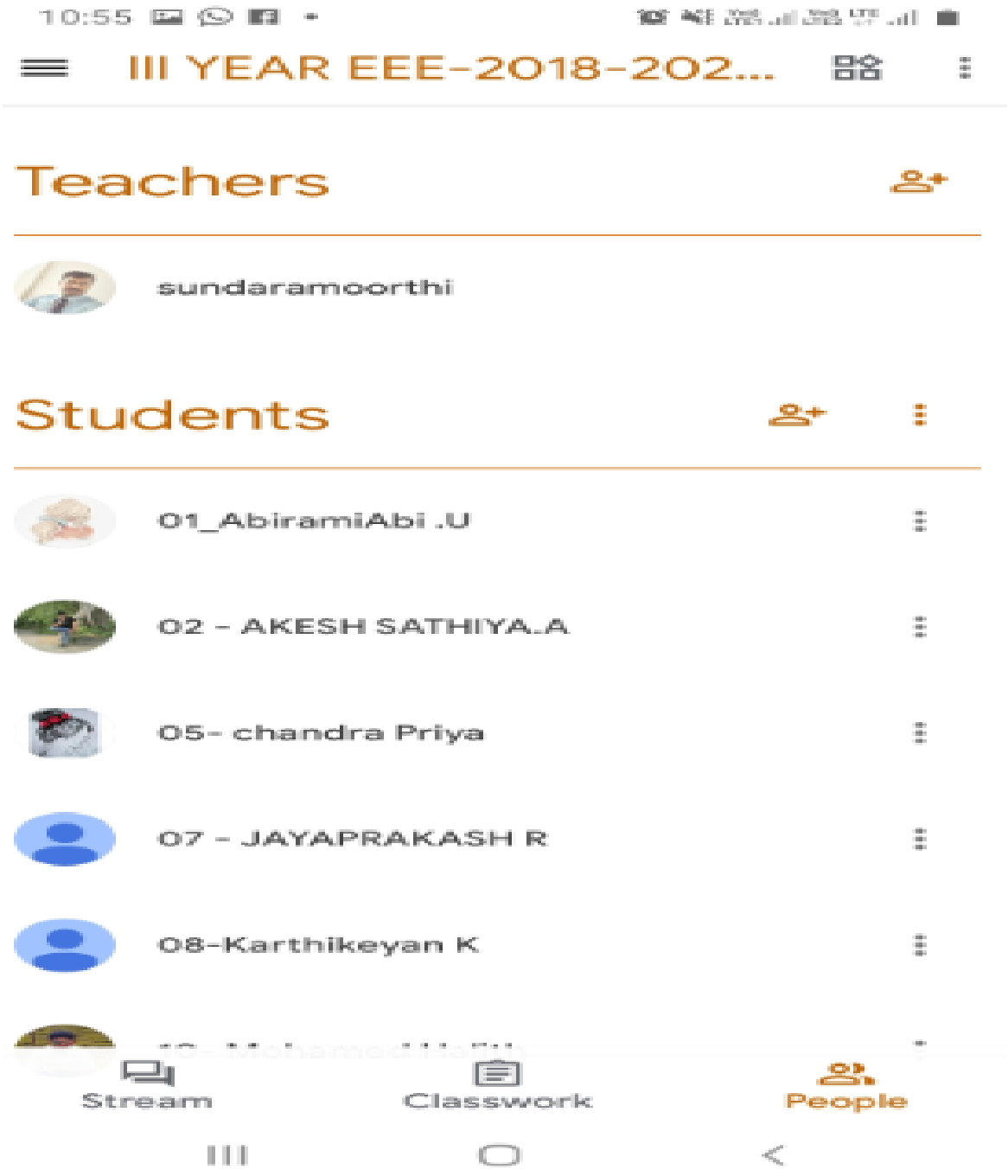


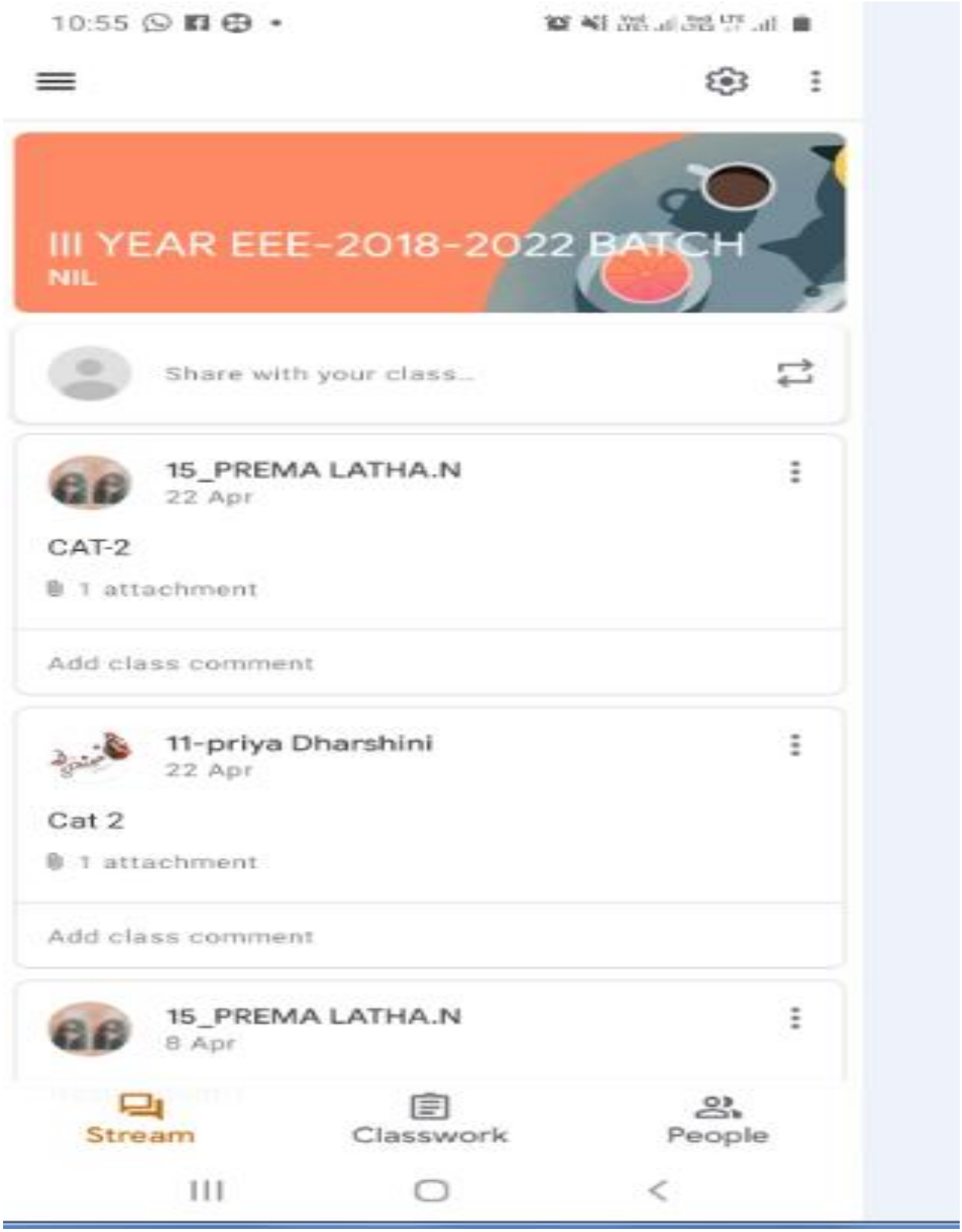

Staff enrichment proofs - mee
Classwork for III EEE_MPMC III
III EEE_MPMC III - Google Driv
classroom.google.com/w/MTYwODUzODEwNjkx/t/all
III EEE_MPMC
III
Stream
Classwork
People
Marks
Create
Google Calendar
Class Drive folder
Gate paper solving 1
Edited 29 Sept 2020
Case study on Arduino architecture
Edited 17 Sept 2020
Case study on ARM processor family
Edited 17 Sept 2020
10:31 AM
10/29/2021

ACADEMIC YEAR: 2020-2021

BATCH: (2018-2022)

SUBJECT: BASICS OF BIOMEDICAL INSTRUMENTATION

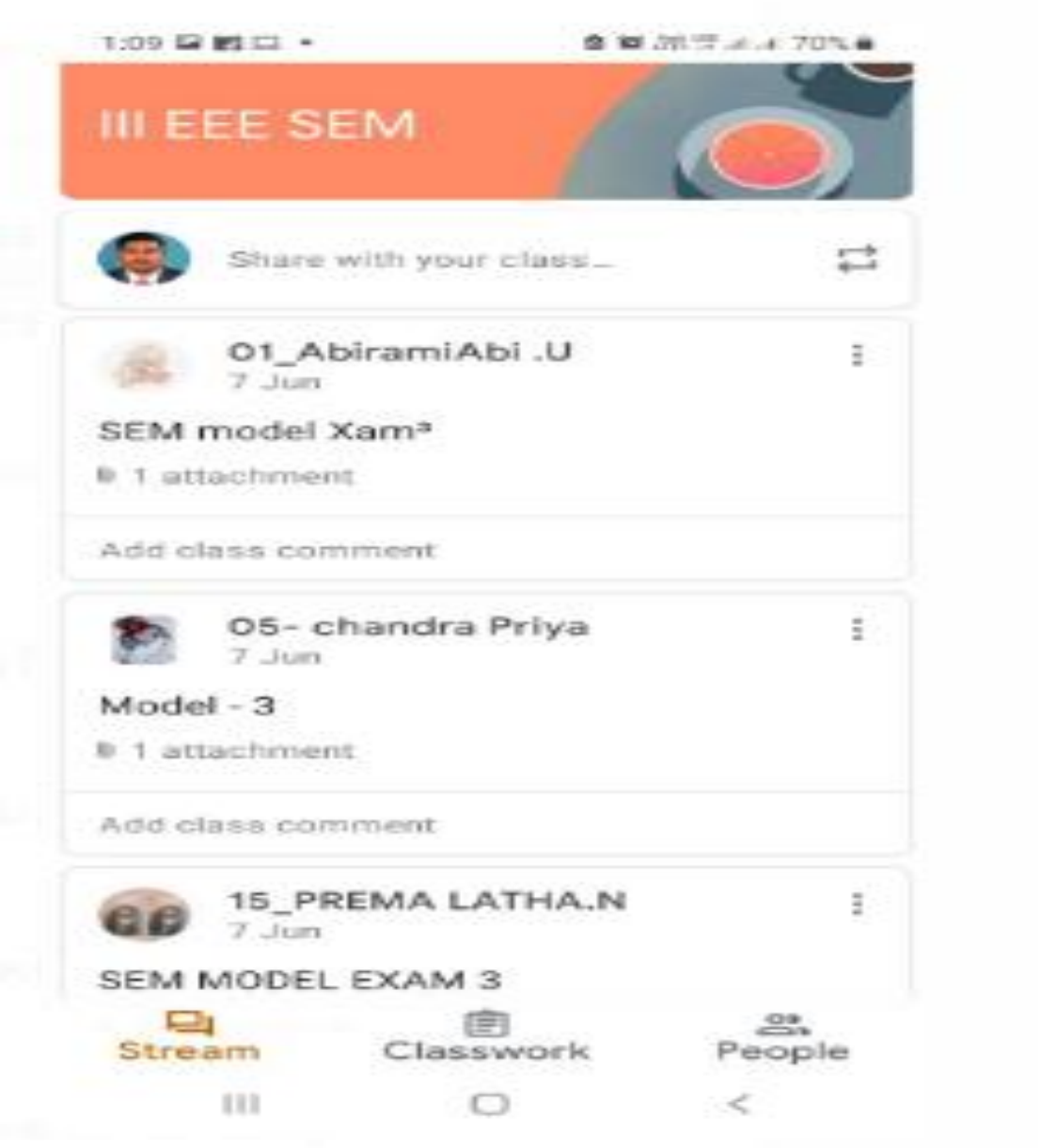



10:55
III YEAR EEE-2018-2022 BATCH
NIL
Share with your class...
15_PREMA LATHA.N
22 Apr
CAT-2
1 attachment
Add class comment
11-priya Dharshini
22 Apr
Cat 2
1 attachment
Add class comment
15_PREMA LATHA.N
8 Apr
Stream
Classwork
People

ACADEMIC YEAR: 2020-2021

BATCH: (2018-2022)

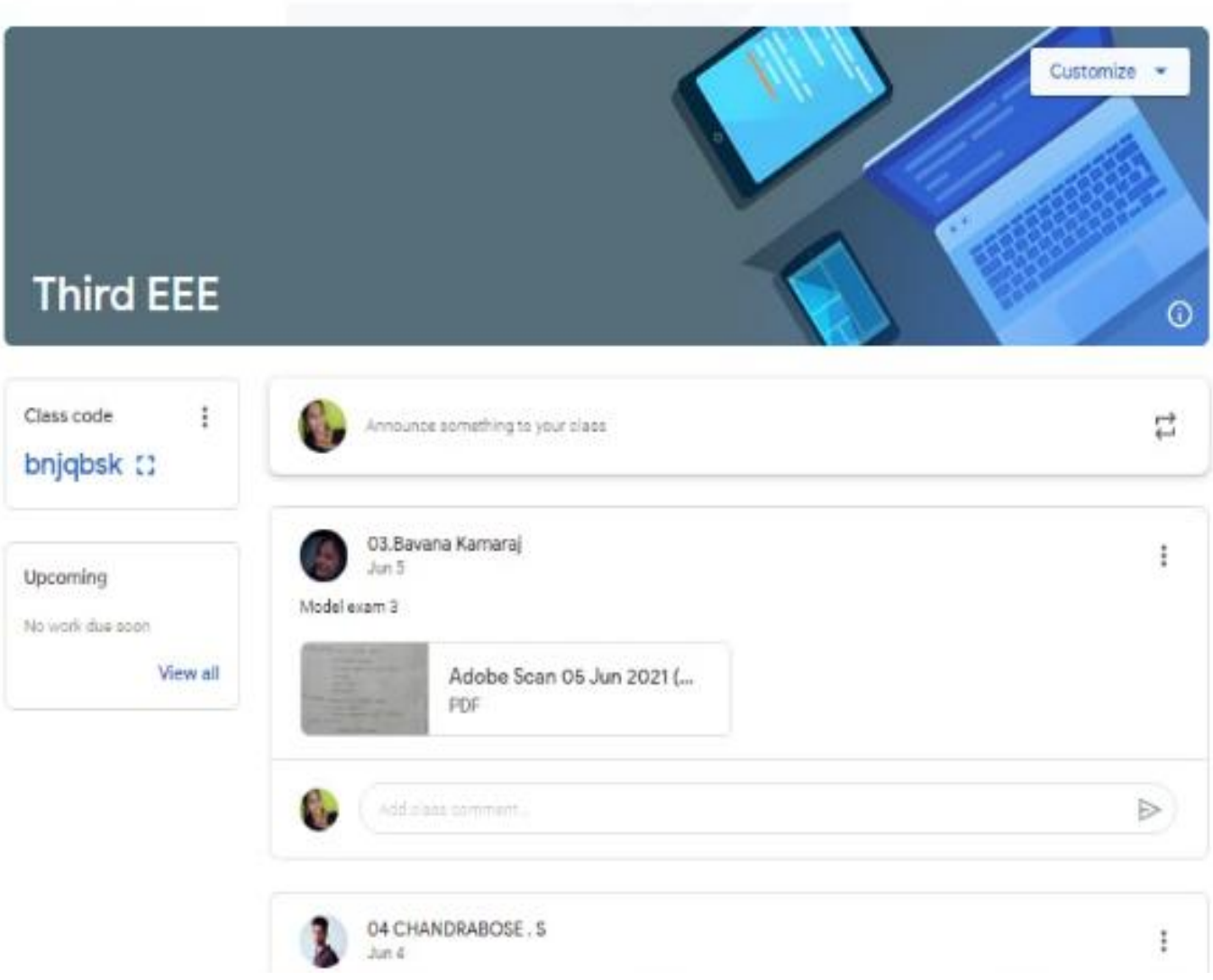
SUBJECT: SPECIAL ELECTRICAL MACHINES

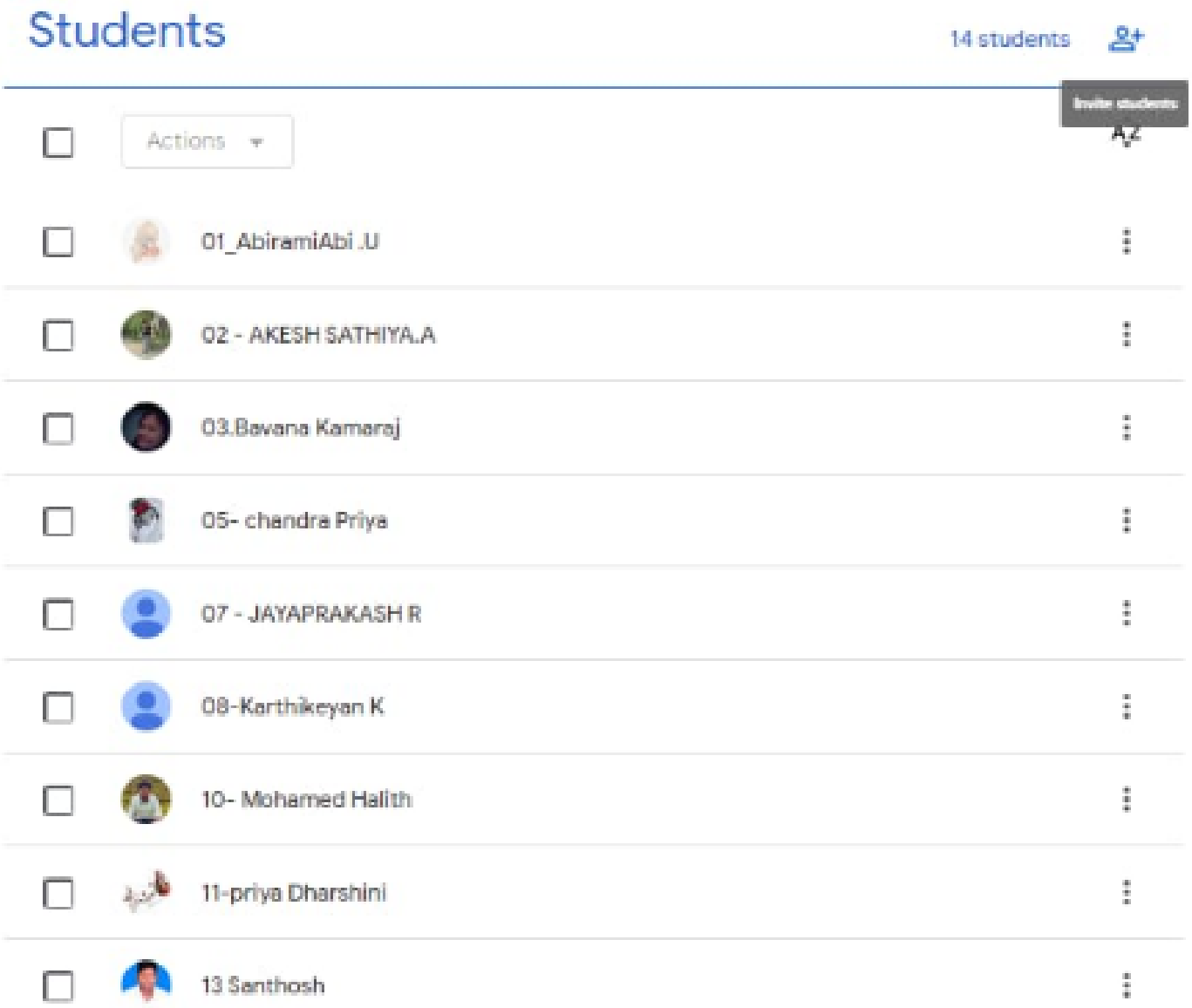

1:09
III EEE SEM
Share with your class...
01_AbiramiAbi .U
7 Jun
SEM model Xam³
1 attachment
Add class comment
05- chandra Priya
7 Jun
Model - 3
1 attachment
Add class comment
15_PREMA LATHA.N
7 Jun
SEM MODEL EXAM 3
Stream
Classwork
People

ACADEMIC YEAR: 2020-2021

BATCH: (2018-2022)

SUBJECT: EMBEDDED SYSTEM

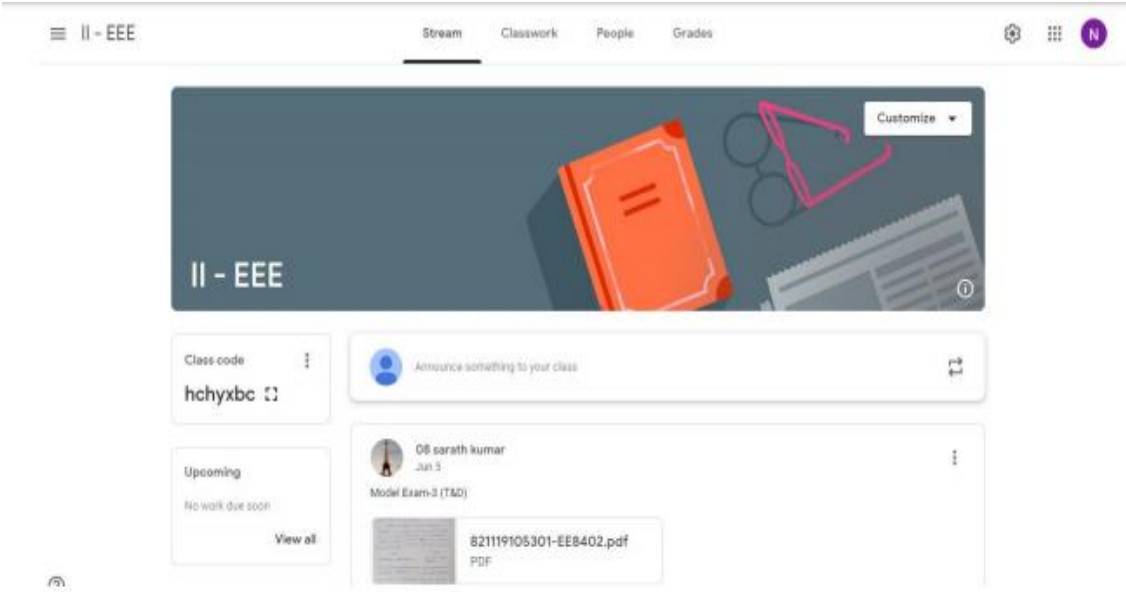


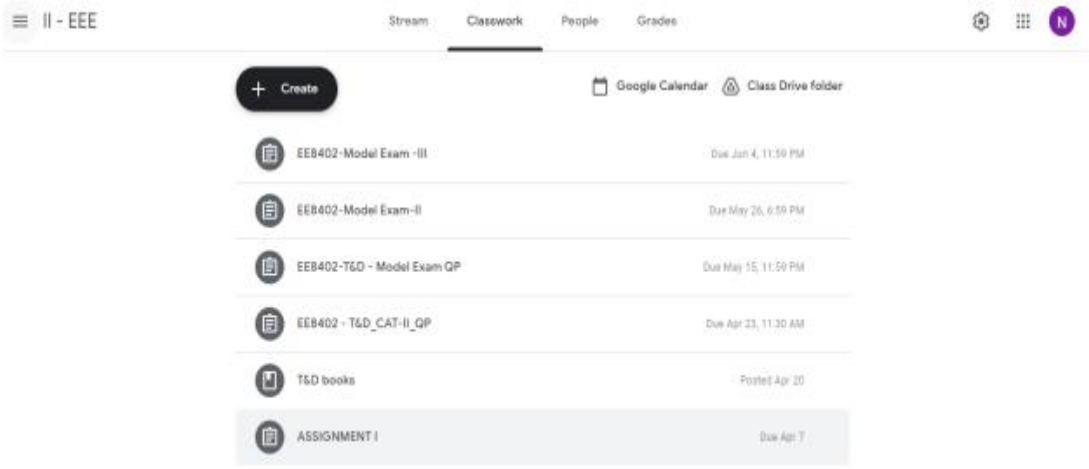

Students
14 students
Invite students
Actions
01_AbiramiAbi .U
02 - AKESH SATHIYA.A
03.Bavana Kamaraj
05- chandra Priya
07 - JAYAPRAKASH R
08-Karthikeyan K
10- Mohamed Halith
11-priya Dharshini
13 Santhosh

ACADEMIC YEAR: 2020-2021

BATCH: (2019-2023)

SUBJECT: TRANSMISSION AND DISTRIBUTION





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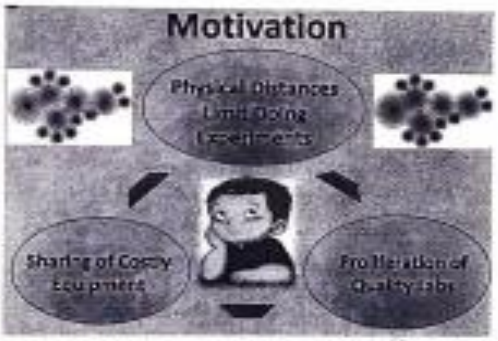
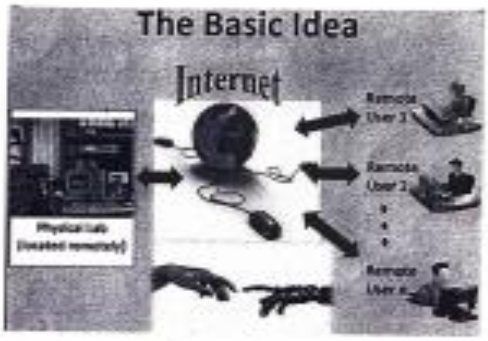
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
ACADEMIC YEAR 2019-20 (ODD SEM)
VIRTUAL LAB REPORT

Objective

- To provide remote- access to labs in various disciplines of Science and Engineering
- To cater the students at UG level, PG level as well as to research scholars
- To enable the students to learn at their own place and to arouse their curiosity
- To provide a complete learning management system that includes web resources, video lectures, animated demonstrations and self evaluation





Virtual Power Laboratory, Prof D.K.Chaturvedi by IIT, Kharagpur

Date: 27.08.19 for IV Year EEE (No. of participants: 12)

Session coverage:

- Synchronization of alternator with infinite bus bar.
- Positive sequence, negative sequence and zero sequence reactance of an alternator.
- The dielectric Strength of transformer oil.
- The effect of different shape of electrodes on dielectric (air) breakdown.
- The sub-transient (x_d''), transient (x_d') and steady state reactance (x_d) of a synchronous machine.

Electrical Machines Laboratory offered by IIT ROORKEE

Date : 14.08.19 for II Year EEE (No. of participants: 15)
Session coverage:

- Speed Control of DC motor by varying armature and field resistance
- Load Characteristics of DC shunt generator
- Speed control of DC motor by using Ward- Leonard Method of speed control
- Speed control of slipring Induction Motor
- Transformer equivalent circuit from Open Circuit and Short Circuit Test

IQAC Member/EEE **HOD/EEE** **PRINCIPAL**

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2017-18 (EVEN)

VIRTUAL LAB – SENSOR MODELING & SIMULATION LAB

OBJECTIVE OF VIRTUAL LAB:

- To provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars.
- To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self evaluation.
- To share costly equipment and resources, which are otherwise available to limited number of users due to constraints on time and geographical distance.

This project is an initiative of ministry of Human Resource Department under national mission on education through ICT. These experiments and labs will be hosted for open access through the main project website http://sl-coep.vlabs.ac.in/

PROGRAM CONDUCTED:

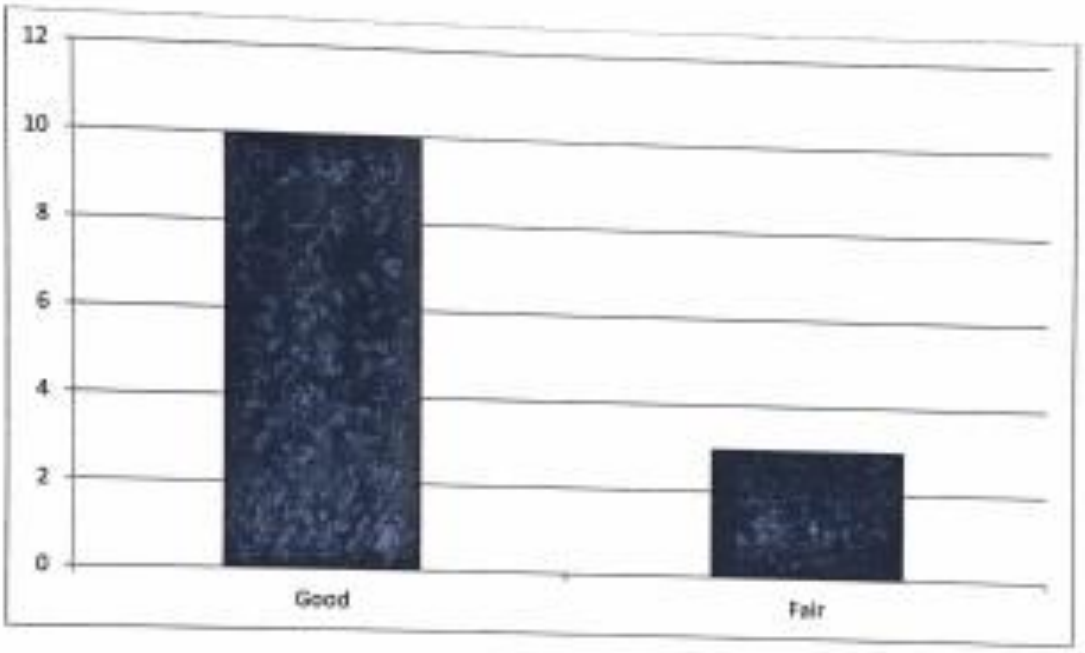
Department of Electrical & Electronics Engineering conducted virtual lab session for the course sensor modeling & simulation lab.

Venue: Power Simulation Lab

Date: 12.04.18

The session was attended by students of first year EEE. 13 students were attended this program. Feedback also collected for this spoken tutorial workshop, 10 students marked well out of 13 students.

Feedback:



IQAC Member/EEE

HOD/EEE

KINGS COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ACADEMIC YEAR 2017-18 (ODD SEMESTER)

VIRTUAL LAB – ELECTRICAL MACHINES

OBJECTIVE OF VIRTUAL LAB:

A virtual laboratory is a tool for distance learning and/or experimentation that allows people to share knowledge, data, voice, video, tools, and many other resources. It provides a suitable environment to extend, improve, integrate, refine, and assist the learning and/or experimentation process of many subjects, thus contributing to an increase of the effectiveness of scientific research and widening the use of scarce or costly equipments.

Lab courses richly rely upon new up-to-date content and various techniques that require a new synergy of knowledge and experimental implementation.

This project is an initiative of Ministry of Human Resource Department under National Mission on Education through ICT. These experiments and labs will be hosted for open access through the main project website http://vem-iitg.vlabs.ac.in/

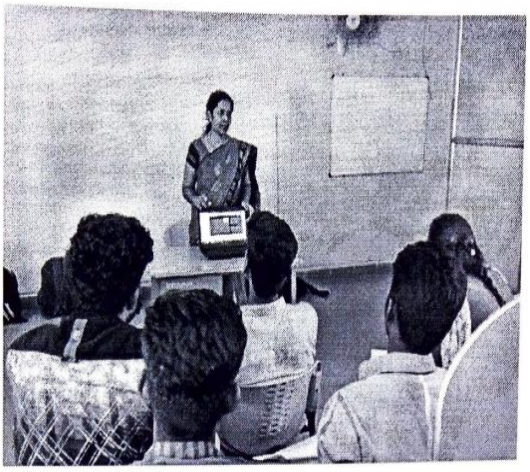
PROGRAM CONDUCTED:

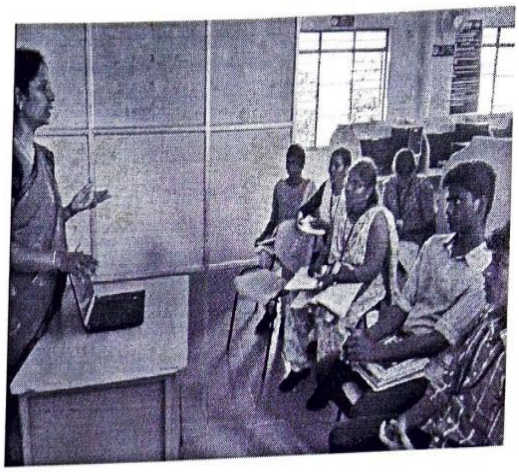
Department of Electrical & Electronics Engineering conducted Virtual Lab Session for the course Electrical Machines.

Venue: Pallava Hall

Date: 22.09.17

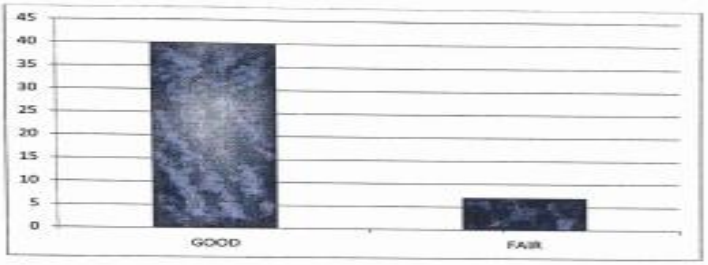
The session was attended by third year EEE students. 47 students were attended this program.





FEEDBACK:

Feedback also collected for this spoken tutorial workshop, 40 students marked well out of 47.



IQAC MEMBER

HoD/EEE

KINGS COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2017-2018 / ODD SEMESTER

Virtual Lab

Subject Code & Name: EE6504 & ELECTRICAL MACHINES - II

Year / SEM: III / V

Date of Exam: 22.9.17

Roll. No	Name of the Student	Signature
1	AKALYA. T	
2	AKASH. R	
3	AKILANDESWARI. S	
4	BALAKRISHNAN. R	
5	BARANIKA. R	
6	BRINDHA. M	
7	DEEPAK RAJ.S	
8	DHEERTHI. S	
9	DHINESH. J	
10	DIVYA. K	
11	ELAKKIYA. E	
12	GANESH KUMAR. P	
13	HARINI. K	
14	HARISHBABU. R	
15	KALAIYARASI. D	
16	KAYALVIZHI.R	
17	MUTHU MEENA. K	
18	NALINI. N	
19	PARATHASARATHI. R	
20	PRAKASH. M	
21	PRAKASH. S	
22	PRATHEESH. T	
23	PREMKUMAR. P	
24	RAGURAMAN.R	
25	RAMKUMAR. P	
26	RAMU. P	

27	SAKTHIVEL. M	
28	SANDRU. K	
29	SANTHOSH KUMAR. R	AB
30	SANTHOSHSAMI. R	
31	SATHISH. M	
32	SHANTHI. R	
33	SIVAKUMAR.S	
34	SOWMIYA. S	
35	SRIKANTH. R	
36	SUNDAR. R	
37	SURIYA PRAKASH. M	
38	TAMIL SELVAN. T	AB
39	VICTORIYA. P	
40	DINESHKUMAR D	
41	KARTHIKEYAN R	
42	MOHANRAJ S	
43	PRADEEPKUMAR D	
44	RAJADURAI R	
45	RAMKUMAR P	
46	SHELAA S	
47	VEERAMANI M	
48	VIBINRAJ N	
49	ENIYAVAN R	AB
50	ROHIND B	

STAFF INCHARGE

[M. MAYAPANDI]

HOD/EEE

2/3/17

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Department of Mechanical Engineering

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Virtual Labs
An MHRD Govt of India Initiative

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ACADEMIC YEAR 2020-2021 / EVEN SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT: MECHANICAL
CLASS: II MECH

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	PROPOSED DATE OF EXECUTION
MA8452	Statistics and Numerical Methods	Power's method	15.3.21.
ME8492	Kinematics of Machinery	Quick return Mechanism	15.03.21
ME8451	Manufacturing Technology – II	Merchant's circle	11-03-21
ME8491	Engineering Metallurgy	Fibre reinforcement parts	30.03.21
CE8395	Strength of Materials for Mechanical Engineers	Normality, SFD, BMD Calculations	30.03.21
ME8493	Thermal Engineering- I	Multistage Air compressor	26-03-21.

CLASS: III MECH

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	PROPOSED DATE OF EXECUTION
ME8651	Design of Transmission Systems	Sliding Mesh Gear Box	05-04-21
ME8691	Computer Aided Design and Manufacturing	Computer graphics	10.03.21
ME8693	Heat and Mass Transfer	Quize, Flow chart, Seminar	12.3.2021
ME8692	Finite Element Analysis	1D shape function.	11-3-21.
ME8694	Hydraulics and Pneumatics	Basics of hydraulics	30.3.21
ME8091	Automobile Engineering (E)	Types engine anatomy	25-3.21

CLASS: IV MECH A

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	PROPOSED DATE OF EXECUTION
MG8591	Principles of Management	Budgetary Tech	23/3/21
ME8094	Computer Integrated Manufacturing Systems	Flexible Manufacturing System	17/3/21

CLASS: IV MECH B

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	PROPOSED DATE OF EXECUTION
MG8591	Principles of Management	Budgetary Tech.	23/3/21
ME8094	Computer Integrated Manufacturing Systems	Flexible Manufacturing System	17/3/21

C.R
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(ASWIN.M)

2/2/21
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ACADEMIC YEAR 2019-2020 / ODD SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT: MECHANICAL

CLASS: II-MECH

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name
MA8353	Transforms and Partial Differential Eqns	Discreete Mathematics	23/8/19	Mr.G.Jeyakrishanan
ME8391	Engineering Thermodynamics	First law of thermodynamics	16/7/19	Mr.B.Ram Vignesh
CE8394	Fluid Mechanics and machinery	Centrifugal pump	16/9/19	Mr.M.Melwin
ME8351	Manufacturing Technology-I	Investment casting	17/7/19	Mr.S.Karthi
EE8353	Electrical Drives and Controls	Electrical generators	18/9/19	Mr.S.Sakthivel

CLASS: III-MECH

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name
ME8595	Thermal Engineering II	Boilers & Mountings	22/7/19	Mr.H.Agilan
ME8593	Design Of Machine Elements	Factors influencing Machine design	24/7/19	Mr.J.Rajaparthiban
ME8501	Metrology & Measurements	Angular measurement	6/8/19	Mr.S.Sabanayagam
ME8594	Dynamics Of Machines	Forced vibrations	12/8/19	Mr.R.Shankar
OAT552	Internal Combustion Engines	Engine auxiliaries	8/8/19	Mr.P.P.Shantharaman

CLASS: IV-MECH-A

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name
ME6701	Power Plant Engineering	Steam power plant	22/7/19	Mr.P.P.Shantharaman
ME6702	Mechatronics	Sensors & Transducers	13/8/19	Mr.S.Sabanayagam
ME6703	Computer Integrated Manufacturing Systems	JIT - An introduction	11/9/19	Mr.B.Ram Vignesh
GE6757	Total Quality Management	FMEA & its types	24/7/19	Mr.K.Sudhakar
ME6005	Process Planning & Cost Estimation	Estimation of jobs	16/8/19	Mr.N.Magesh
ME6012	Maintenance Engineering	Maintenance economics	9/9/19	Dr.T.Pushparaj

CLASS: IV-MECH-B

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name
ME6701	Power Plant Engineering	Steam power plant	23/7/19	Mr.H.Agilan
ME6702	Mechatronics	Sensors & Transducers	14/8/19	Mr.M.Aswin
ME6703	Computer Integrated Manufacturing Systems	JIT - An introduction	10/9/19	Mr.V.Vijayakumar
GE6757	Total Quality Management	FMEA & its types	22/7/19	Mr.B.Baran Kumar
ME6005	Process Planning & Cost Estimation	Estimation of jobs	17/8/19	Mr.S.Karthi
ME6012	Maintenance Engineering	Maintenance economics	10/9/19	Mr.J.Rajaparthiban

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ACADEMIC YEAR 2019-2020 / EVEN SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT: MECHANICAL

CLASS: II MECH

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	DATE OF EXECUTION
MA8452	Statistics and Numerical Methods	Taylor's series	6/1/20
ME8492	Kinematics of Machinery	Types of cam	20/1/20
ME8451	Manufacturing Technology – II	Gear cutting terminology	3/2/20
ME8491	Engineering Metallurgy	Fatigue test	21/1/20
CE8395	Strength of Materials for Mechanical Engineers	Principle stess	20/2/20
ME8493	Thermal Engineering- I	IC engine cooling system	5/2/20

CLASS: III MECH A

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	DATE OF EXECUTION
ME8651	Design of Transmission Systems	Design of cone clutches	7/1/20
ME8691	Computer Aided Design and Manufacturing	AUTOCAD animation	4/2/20
ME8693	Heat and Mass Transfer	2D heat transfer	17/2/20
ME8692	Finite Element Analysis	Jacobian co ordinates	22/1/20
ME8694	Hydraulics and Pneumatics	Hydraulic circuits	6/2/20
ME8091	Automobile Engineering (E)	Types of chasis	20/2/20

CLASS: III MECH B

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	DATE OF EXECUTION
ME8651	Design of Transmission Systems	Design of brakes	17/2/20
ME8691	Computer Aided Design and Manufacturing	AUTOCAD animation	8/1/20
ME8693	Heat and Mass Transfer	2D fins	7/2/20
ME8692	Finite Element Analysis	Gaussian iterations	23/1/20
ME8694	Hydraulics and Pneumatics	Introduction to Pneumatics	19/2/20
ME8091	Automobile Engineering (E)	Automobile body types	8/2/20

CLASS: IV MECH A

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	DATE OF EXECUTION
MG6863	Engineering Economics	Statistics tables usage	18/2/20
IE6605	Production Planning and Control (E)	Heisler charts	9/1/20
ME6016	Advanced I.C. Engines (E)	Fuel system	24/1/20

CLASS: IV MECH B

SUBJ CODE	NAME OF THE SUBJECT	NPTEL TOPIC	DATE OF EXECUTION
MG6863	Engineering Economics	Statistics tables usage	19/2/20
IE6605	Production Planning and Control (E)	Break event analysis	25/1/20
ME6016	Advanced I.C. Engines (E)	Firing order of an engine	10/1/20

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ACADEMIC YEAR 2018-19 (Odd Sem)

NPTEL SESSION EXECUTION STATUS

DEPT: MECHANICAL ENGINEERING **SEC:** B

Sub.code & Sub.Name	NPTEL session topic & Unit mapped to	Date of execution	Staff incharge sign
YEAR : SEM : SEC:	I / II / B		
MA8353 - TPDE.	Partial integration	12.7.18	
ME8391 - ETD	clasius inequality, entropy change	26.7.18	
ME8394 - FMM	Centrifugal pump - working principle	14.9.18	B. Adm
ME8351 - MT. I	Super plastic forming	29.9.18	
EE8353 - EDC.	Drum Brake System	24.8.18	
YEAR : SEM : SEC:	III / V / B		
ME6501 - CAD	Hidden Line Removal	6/8/18	
ME6502 - HEAT & MASS TRANSFER	Lumped Analysis	16.7.2018	
ME6503 - DME	Design of Shafts	19/7/18	
ME6504 - M+M	Comparators	26/7/18	
ME6505 Design of M/c	Forced Vibrations	3.9.2018	
GE6705 - PEE.	Moral Leadership Pollution Issues & Environment	11/9/18	
YEAR : SEM : SEC:	IV / VII / B		
ME6701 & PPE	Binary Cycles	14.7.18	
ME6702 Mechatronics	Accelerator Sensors	14/9/18	
ME6703 + CIMS	JIT Process	12/7/18	
GE6757 - TQM	FMEA	23.8.18	
ME605 PPCE	Estimation of different types	11.9.18	
ME 6012 & M.E	Wear debris Analysis	24 & 25/8/18	T. Pandiyan

IQAC Member

T. Pandiyan
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ACADEMIC YEAR 2018-19 (Odd Sem)

NPTEL SESSION EXECUTION STATUS

DEPT: MECHANICAL ENGINEERING **SEC:** A

Sub.code & Sub.Name	NPTEL session topic & Unit mapped to	Date of execution	Staff incharge sign
YEAR : SEM : SEC: II / IV / A.			
MA8353 - TPDE	Discrete mathematics	23.8.18	
ME8391 - Engineering Thermodynamics	First Law of thermodynamics Application on closed and open	16/7/18	
CE8394 - FMM	centrifugal Pump	14/9/18	
ME8351 - MT-I	centrifugal casting	14/7/18	
EE8353 - EDC.	Electrical - generators	10/8/18	
YEAR : SEM : SEC: III / V / A.			
ME6501 - CAD	Hidden Line Removal	10/8/18	
ME6502 - HMT	Heat exchangers	19/7/18	
ME6504 - MM	Angular Measuring Instruments - Types	20/7/18	
ME6503 - DME	Factors influencing M/c design	03.7.18	
ME 6505 DYNAMICS OF MACHINE	FREE VIBRATION	28/8/18	
GE6757 PEE.	MORAL LEADERSHIP	05/09/18	
YEAR : SEM : SEC: IV / VII / A.			
ME6701 PPE	Steam power plant	14.7.18	
ME6702 Mech.	Sensors & transducers	26/7/18	
GE6757 TQM	Types of FMEA	05.09.18	
ME 6703. CIMS	Jit Processes	23.8.18	
ME 6005. PPCB	Extrusion of objs types of Job	25.8.18	25
ME 6012 ME	Maintenance economics	14.07.18	

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INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2018-2019 / EVEN SEMESTER
NPTEL SESSION EXECUTION STATUS

DEPARTMENT : MECHANICAL

CLASS: II-MECH-A

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA8452	Statistics and Numerical Methods	Eigen values of a matrix.	4.1.19	Mrs.N.Latha	
ME8492	Kinematics of Machinery	uniform velocity, SHM, UARA, cycloidal motion of cam	30.1.19	Mr.B.Adhichelvan	B.Adh
ME8451	Manufacturing Technology - II	Gear cutting Forming Unit - IV	31/1/19	Mr.R.Arun	
ME8491	Engineering Metallurgy	fatigue Test [Unit (IV)]	6/3/19.	Mr.M.Aswin	
CE8395	Strength of Materials for Mechanical Engineers	volumetric strain / unit - I	22/12/18	Mr.J.Prince Jerome Christopher	
ME8493	Thermal Engineering-I	Regenerative cycle & its Performance - I unit	1/3/19	Mr.S.Rajesh Kumar	

CLASS: II-MECH-B

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA8452	Statistics and Numerical Methods			Dr.R.Suresh	
ME8492	Kinematics of Machinery	Types of Gear Trains	25/2/19	Mr.G.Mathivanan	
ME8451	Manufacturing Technology - II	Gear cutting forming Unit-IV	8/2/19	Mr.V.Vijaya kumar	
ME8491	Engineering Metallurgy	Fatigue, creep and fracture toughness tests V unit	9/3/19 & 11/3/19	Mr.S.Rajesh Kumar	
CE8395	Strength of Materials for Mechanical Engineers	Volumetric Strain Unit - I	22/12/18	Mr.J.Prabhakaran	
ME8493	Thermal Engineering-I	Dual cycle Problems I Unit	4.3.19	Mr.R.Suriyamurthy	

CLASS: III-MECH-A

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
ME6601	Design of Transmission Systems	Design of Cone clutch	25/2/19	Mr.S.Giridharan	
MG6851	Principles of Management	Budgetary and non-budgetary control / unit - V	4/3/19	Mr.J.Prince JeromeChristopher	
ME6602	Automobile Engineering	Differential	7/2/19	Mr.N.Anandaraman	for
ME6603	Finite Element Analysis	Axisymmetric Problem. - IV	11.2.19	Mr.P.P.Shantharaman	
ME6604	Gas Dynamics and Jet Propulsion	performance of ram jet / unit IV 13.2.19	13.2.19	Mr.N.Magesh	
ME6004	Unconventional Machining Process	Mechanical M/c'ing process	4/3/19	Mr.J.Rajaparthiban	

CLASS: III-MECH-B

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
ME6601	Design of Transmission Systems	Design of Cone clutch	26/2/19	Mr.V.Vijaya kumar	
MG6851	Principles of Management	Leadership and its Styles. IV	6.3.19	Mr.R.Suriyamurthy	
ME6602	Automobile Engineering	Principle of function is different	11.2.19	Mr.G.Mathivanan	
ME6603	Finite Element Analysis	Isoparametric formulation	6/3/19	Mr.J.Rajaparthiban	
ME6604	Gas Dynamics and Jet Propulsion	Rocket Engine	25.2.19	Mr.R.Shankar	
ME6004	Unconventional Machining Process	Electron beam machining	04/3/19	Mr.S.Giridharan	

CLASS: IV-MECH-A

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MG6863	Engineering Economics	Effective Interest rate Examples of all methods	31/01/19	Mr.B.Sureshbabu	
IE6605	Production Planning and Control	Production planning Control Systems	4/2/19	Mr.M.Melwin J Sridhar	
ME6016	Advanced I.C. Engines	Emission of Nox, HC Measur	5/2/19	Dr.T.Pushparaj	

CLASS: IV-MECH-B

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MG6863	Engineering Economics	Effective Interest rate Examples of all methods	01/02/19	Mr.K.Sudhakar	
IE6605	Production Planning and Control	production planning control systems - Loading	6.2.19	Mr.H.Agilan	
ME6016	Advanced I.C. Engines	Emission Measuring Equipments - III	4.2.19	Mr.P.P.Shantharaman	

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PAC Member

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KINGS COLLEGE OF ENGINEERING

INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2017-18 (Odd Sem)
NPTEL SESSION EXECUTION STATUS

DEPT: Mechanical SEC: B

Sub.code & Sub.Name	NPTEL session topic & Unit mapped to	Date of execution	Staff incharge sign
YEAR : SEM : SEC: II / III / B			
MA6351 & TPDE	Application of Engg Maths	16/8/17	
CE6306 / SOM	SF and BM in the Cantilever Beams	11/7/17	R. Ary
CE6451 / FMM	Pumps and Turbines	26.09.2017	
ME6301 / ETD	Reheat/Regenerative cycles, Economiser.	2/8/17 2nd hour	
ME6302 MTI	Clausius Inequality Tds equation	19.8.17	
EE6351 - EDC	Power electronics & electrical drives	22.8.17	
YEAR : SEM : SEC: III / V / B			
ME6502 - HMT	UD steady Heat conduction Lumped Heat Analysis	4.7.2017	
GE6075 - PEE	Moral Leadership	14/09/2017	
ME6501 - CAD	Computer Graphics	/08/2017	M. Sathish
ME6505 - DOM	FREE VIBRATION	7.8.17	S. Senthil
ME6503 - DMF	FACTORS INFLUENCING MACHINE DESIGNING	12.7.17	
ME6504 - MM.	Dragcar measurement sizegauge	15.9.17	N. Murugan
YEAR : SEM : SEC:			
ME6701 - PPE	Binary Cycles.	5.7.17	
ME6702 - Mechatronics	Instruction set	24/7/17	
ME6703 - CIM	Concurrent engg	29/6/17	
GE6757 - TQM	TQM Tool.	4.8.2017	
ME6005 - PPCE	Estimation of job	18/8/17	
ME6012 - ME	Repair methods & gears.	26/8/17.	

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KINGS COLLEGE OF ENGINEERING

INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2017-18 (Odd Sem)
NPTEL SESSION EXECUTION STATUS

DEPT: MECHANICAL ENGINEERING SEC: A

Sub.code & Sub.Name	NPTEL session topic & Unit mapped to	Date of execution	Staff incharge sign
YEAR : SEM : SEC: II / IV / A			
ME6301 - Engineering Thermodynamics	Application to closed and open system - I^st law of Thermodynamics	10.7.2017	
MA6351 - TPDE	Application of Engg. Mathematics	16.8.17	
EE6351 - EDC	Power electronics & Electrical drives.	24.8.17	
CE6451 - FMM	properties of fluid & Flow characteristic	21/8/17	
CE6306 - SoM	SF & BM diagrams in cantilever beams	23/9/17	
ME6302 ~~[illegible]~~ MTI	Application of matlab in engg.	17.8.17.	
YEAR : SEM : SEC: III / V / A			
ME6503 - Design of machine element	Torsional Stress equation	28/6/2017	
ME6504 - Metrology and Measurements	Angular measuring instrus Bevel protector - Sine gauge	14.7.2017	
ME6505 - Dynamics of machines	Free Vibration	3.8.2017	
ME6501 - Computer aided design	Solid modeling	25.07.17	
ME 6502 - HMT	Heat Exchangers.	25.9.17	
GE6075 - PEE.	Moral leadership	18.9.17.	
YEAR : SEM : SEC: IV / VII / A.			
GE6757 - Total Quality Mgt	Customer complaints & Customer retention	06/07/2017	
ME6702 - Mechatronics	Instruction set	25/07/17	B. Adi
ME6701 - Power Plant Engg.	Feed water treatment Binary cycle	10/07/17	B. Adi
ME6703 - CIM	Introduction to CAD/CAM concurrent Engg.	23/06/17	
ME6005 - PPCE	Estimation of different types of cost	25.7.17	
ME6012 - Maintenance Engg	Repair methods for gears	13/9/17	T. Pandiyan

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INTERNAL QUALITY ASSURANCE CELL
ACADEMIC YEAR 2017-2018 / EVEN SEMESTER
NPTEL SESSION EXECUTION STATUS
DEPARTMENT : MECHANICAL

CLASS: II 'A' MECH

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA6452	Statistics and Numerical Methods	Taylors Series method	6/2/18	Ms.T.Gnanajeya	
ME6401	Kinematics of Machinery	Types of follower motion	8/2/18	Mr.N.Anandaraman	
ME6402	Manufacturing Technology - II	Gear cutting forms	7/2/18	Mr.N.Magesh	
ME6403	Engineering Materials and Metallurgy	Izod charpy, fatigue and creep test	9/3/18	Mr.M.Rajeshkumar	
GE6351	Environmental Science and Engineering	Aquatic Ecosystem Soil pollution	17/01/18	Dr.A.L.Kavitha	
ME6404	Thermal Engineering	Vapour absorption system - ammonia - water, lithium bromide - water system, Compression of vapour absorption (5)	8/3/18	Mr.V.Vinothkannan	

CLASS: II 'B' MECH

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MA6452	Statistics and Numerical Methods	Taylor series Method	5.2.18	Mr.G.Sankarakalidoss	
ME6401	Kinematics of Machinery	UNIFORM VELOCITY, PARABOLIC, SIMPLE HARMONIC & CYCLOIDAL MOTIONS (III)	8.3.18	Mr.S.Karikalan	
ME6402	Manufacturing Technology - II	Metal cutting	30.1.18	Mr.J.Prabhakaran	
ME6403	Engineering Materials and Metallurgy	Izod and charpy, (5) fatigue & creep test, fracture toughness test	14.3.18	Mr.V.Vinothkannan	
GE6351	Environmental Science and Engineering	Role of Industries in prevention of pollution Aquatic Ecosystem.	15/2/18	Dr.S.Udhayakumar	
ME6404	Thermal Engineering	Vapour absorption system Ammonia - water, Lithium bromide, Compression of vapour absorption	5/3/18	Mr.R.Arun	

CLASS: III "A" MECH

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
ME6601	Design of Transmission Systems	Design of cone clutches	21.2.18	Mr.G.Mathivanan	
MG6851	Principles of Management	Planning operations	9.3.18	Mr.R.Suriyamurthy	
ME6602	Automobile Engineering	clutch type working	29.1.18	Mr.M.Aswin	
ME6603	Finite Element Analysis	Finite element analysis Formulation	31.1.18	Mr.J.Prabhakaran	
ME6604	Gas Dynamics and Jet Propulsion	Generalized gas compressible flows	20.2.18	Mr.N.Magesh	
ME6004	Unconventional Machining Process	LBM, ABM, EBM working principles, types	01.03.18	Mr.M.Melvin J Sridhar	

CLASS: III "B" MECH

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
ME6601	Design of Transmission Systems	Gear Terminology Speed ratios & no. of teeth	02.01.18	Mr.V.Vijayakumar	
MG6851	Principles of Management	Planning operations	7.3.18	Mr.G.Mathivanan	
ME6602	Automobile Engineering	working of clutch.	21.2.18	Mr.R.Suriyamurthy	
ME6603	Finite Element Analysis	Basic concepts of the FEM, Derivation of shape function, Variational formulation	30.12.17	Mr.J.Rajaparthiban	
ME6604	Gas Dynamics and jet Propulsion	Performance of Ramjet Engine	5.3.18	Mr.M.Aswin	
ME6004	Unconventional Machining Process	IBM, EBM, ABM, WJM working principles	26.2.18	Mr.H.Agilan	

CLASS: IV "A" MECH

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MG6863	Engineering Economics	Effective interest rate.	05/1/18	Mr.B.Sureshbabu	
IE6605	Production Planning and Control	Production control system - loading & scheduling	20.1.18	Mr.B.Adhichelvan	
ME6016	Advanced I.C. Engines	Emission measuring	11.1.18	Dr.T.Pushparaj	

CLASS: IV "B" MECH

Sub code	Subject name	NPTEL session topic & Unit mapped to	Date of execution	Staff Name	Staff Signature
MG6863	Engineering Economics	Effective Interest rate Unit-II	03/01/18	Mr.K.Sudhakar	
IE6605	Production Planning and Control	Production control system Loading & scheduling	20.1.18	Mr.R.Shankar	
ME6016	Advanced I.C. Engines	Emission Measuring Equipments UNIT-IV (25)	8.1.18	Mr.P.P.Shantharaman	

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(V.VINOTH KANNAN)

HOD / MECH

24/1/18
PRINCIPAL

Department of Mechanical Engineering

NPTEL Session(Online mode) Handled Report on ME8493 Thermal engineering-I

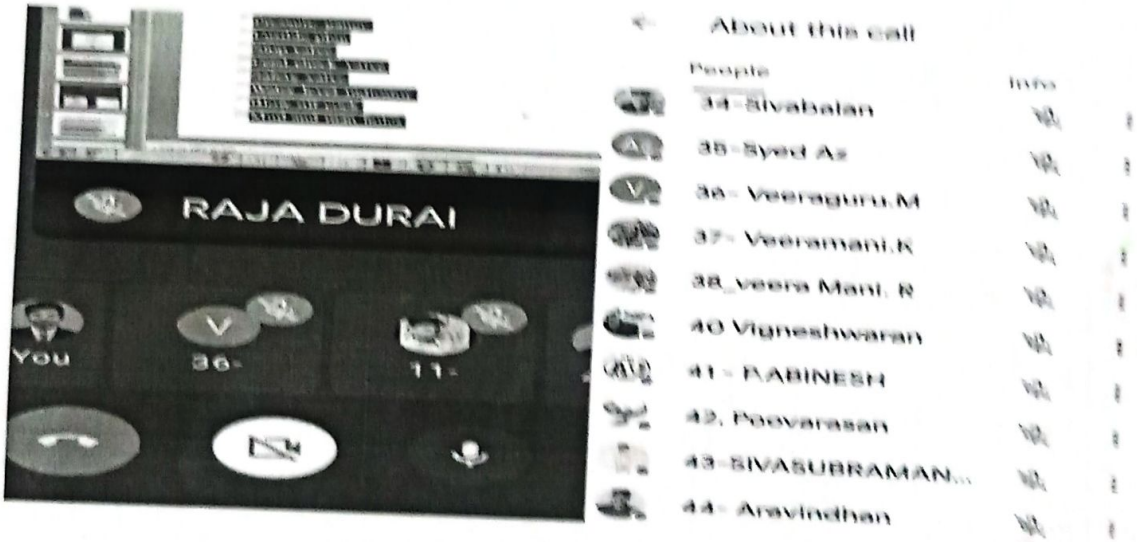
Name of the Session: NPTEL

Subject: ME8493 Thermal engineering -I

Date: 26/03/2021

Time: 11.10 AM to 12.00 PM

In order to assist the knowledge of II Mechanical Engineering students of strength 44 students, NPTEL session was handled by Mr. R. Rajadurai , AP/Mechanical under the topic of Multi stage air compressor (Unit 2 Reciprocating Air Compressor). The student utilized the session and gained knowledge about Multi stage air compressor which is used in the basic knowledge about forces and efficicency calculation can help the students where to solve the problems.



DEPARTMENT OF MECHANICAL ENGINEERING

II YEAR / ACEDEMIC YEAR 2020-21(EVEN) / BATCH 2019-23

R. NO	REGISTER NUMBER	NAME OF THE STUDENT
1	821119114001	Aakash J
2	821119114002	Aathi Bubesh A
3	821119114004	Aravindan B
4	821119114005	Balaganapathy S
5	821119114006	Balavignesh D
6	821119114007	Barathbabu A
7	821119114008	Bharathichozhan S
8	821119114009	Deepanraj S
9	821119114010	Dinesh A
10	821119114011	Gopi G
11	821119114012	Gunal P
12	821119114013	Hariharan D
13	821119114014	Hariharan M (11.07.2002)
14	821119114015	Hariharan M (22.07.2002)
15	821119114016	Hariharan M (27.07.2002)
16	821119114017	Harish Gowtham M
17	821119114018	Iyappan A
18	821119114019	Kalaimuhilarasan S
19	821119114020	Kaviarasan R
20	821119114021	Kishore R
21	821119114022	Mullaivendhan G
22	821119114023	Muthukumar K
23	821119114024	Narendran R
24	821119114026	Nithish A
25	821119114027	Pradeeprajan S
26	821119114028	Praveenkumar S
27	821119114029	Priyadharsan L
28	821119114030	Purushothaman S
29	821119114031	Purusothaman G
30	821119114032	Rajasekaran T K
31	821119114033	Rooban K
32	821119114034	Sathiyaraj S
33	821119114035	Sathiyaseelan B
34	821119114036	Sivabalan A
35	821119114037	Syedu Usmanali M
36	821119114038	Veeraguru M
37	821119114039	Veeramani K
38	821119114040	Veeramani R
39	821119114041	Venkatesh S
40	821119114042	Vigneshwaran M
41	821119114301	Abinesh P
42	821119114302	Poovaeasan A
43	821119114303	Sivasubramaniyam S
44		Aravindhan G

Staff In-Charge

HoD/Mechanical

Feedback from the Students

Parameter	Excellent	Satisfactory	Good	Yet to be improved
Content of the Session	24	12	08	-
Resource person delivery towards the prescribed content within the given time	27	12	05	-
Audio/Video Clarity	25	14	05	-
Overall feedback about the session	22	13	09	-

27/3/21

Staff In-Charge

T. Ravikumar

HoD/Mechanical

Department of Mechanical Engineering

NPTEL Session Handled Report on ME8451 Manufacturing Technology-II

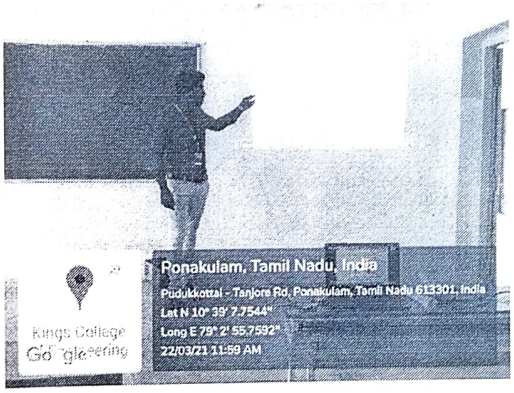
Name of the Session: NPTEL

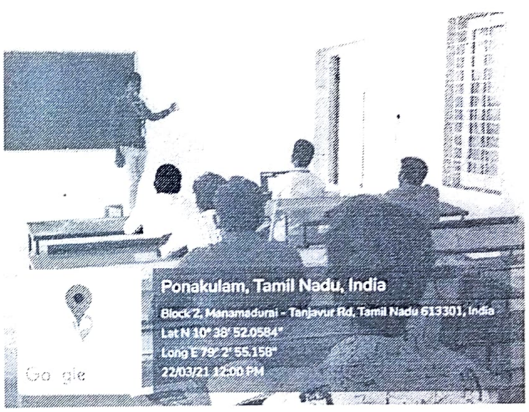
Subject: ME8451 Manufacturing Technology-II

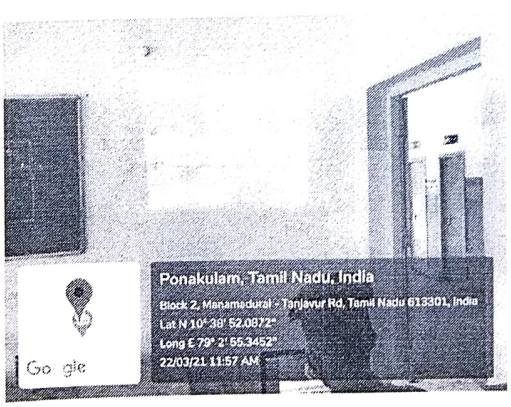
Date: 22/03/2021

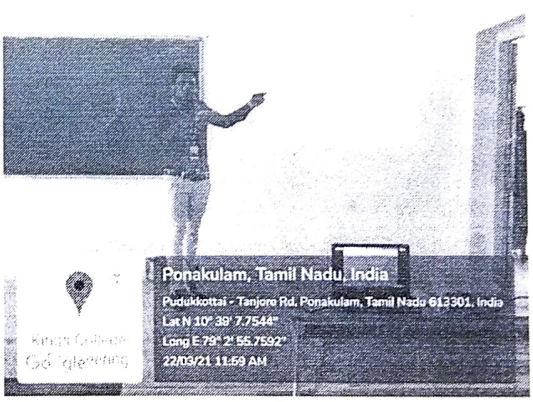
Time: 11.10 AM to 12.00 PM

In order to assist the knowledge of II Mechanical Engineering students of strength 44 students, NPTEL session was handled by Mr. S. Nelson Raja, AP/Mechanical under the topic of Merchant Circle (Unit I Theory of Metal Cutting). The student utilized the session and gained knowledge about merchant circle which is used in machining and the basic knowledge about forces and their influence and effect on metal cutting can help the students where to draw the merchant circle and effect of forces on machining.









Feedback from the Students

Parameter	Excellent	Satisfactory	Good	Yet to be improved
Content of the Session	26	12	06	-
Resource person delivery towards the prescribed content within the given time	25	12	07	-
Audio/Video Clarity	24	14	06	-
Overall feedback about the session	22	13	09	-

Staff In-Charge

HoD/Mechanical

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Department of Mechanical Engineering

NPTEL Session Handled Report on

CE8395 Strength of Materials for Mechanical Engineers

Name of the Session: NPTEL

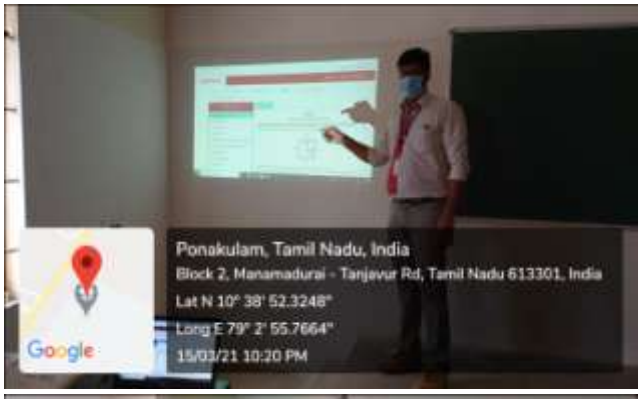
Subject: CE8395 Strength of Materials for Mechanical Engineers

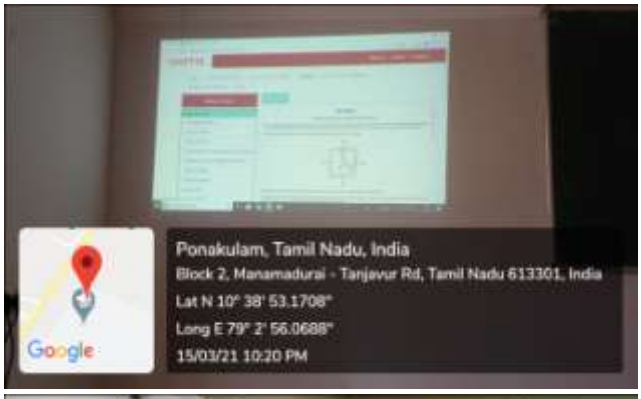
Date: 15/03/2021

Time: 10.05 AM to 10.55 AM

In order to assist the knowledge of II Mechanical Engineering students of strength 44 students, NPTEL session was handled by Mr. S. Sabanayagam, AP/Mechanical under the topic of Mohr's Circle (Unit I Stress, Strain & Deformation in Solids). The student utilized the session and gained knowledge about Mohr's circle which is used to find the stress components and, i.e., coordinates of any point on the **circle**, acting on any other plane passing through making an angle with the plane. . For this, two approaches can be used: the double angle, and the Pole or origin of planes.

Session Photos





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Department of Mechanical Engineering
Academic year 2020-2021 (Even)
NPTEL Session on Mohr's Circle CE8395 SOMME

RN	Student Name	Signature
1	AAKASH J	
2	AATHI BUBESH A	
3	ARAVINDAN B	
4	BALAGANAPATHY S	
5	BALAVIGNESH D	
6	BARATHBABU A	
7	BHARATHICHOZHAN S	
8	DEEPANRAJ S	
9	DINESH A	
10	GOPI G	
11	GUNAL P	
12	HARIHARAN D	
13	HARIHARAN M (11.07.2002)	
14	HARIHARAN M (22.07.2002)	
15	HARIHARAN M (27.07.2002)	
16	HARISH GOWTHAM M	
17	IYAPPAN A	
18	KALAIMUHILARASAN S	
19	KAVIARASAN R	
20	KISHORE R	
21	MULLAIVENDHAN G	
22	MUTHUKUMAR K	
23	NARENDRAN R	
24	NITHISH A	
25	PRADEEPRAJAN S	
26	PRAVEENKUMAR S	
27	PRIYADHARSAN L	
28	PURUSHOTHAMAN S	
29	PURUSOTHAMAN G	
30	RAJASEKARAN T K	
31	ROOBAN K	
32	SATHIYARAJ S	
33	SATHIYASEELAN B	
34	SIVABALAN A	
35	SYEDU USMANALI M	
36	VEERAGURU M	
37	VEERAMANI K	
38	VEERAMANI R	
39	VENKATESH S	
40	VIGNESHWARAN M	
43	SIVASUBRAMANIYAM S	
44	ARAVINDHAN G	

Class In Charge

HoD/Mech

Feedback from the Students

Parameter	Excellent	Satisfactory	Good	Yet to be improved
Content of the Session	12	19	13	-
Resource person delivery towards the prescribed content within the given time	16	21	07	-
Audio/Video Clarity	29	15	-	-
Overall feedback about the session	21	20	03	-

***Feedback is obtained from separate Google Form.**

Course In Charge **HoD/Mechanical**

Department of Mechanical Engineering

NPTEL Session Handled Report on

ME8691 Computer Aided Design and Manufacturing

Name of the Session: NPTEL

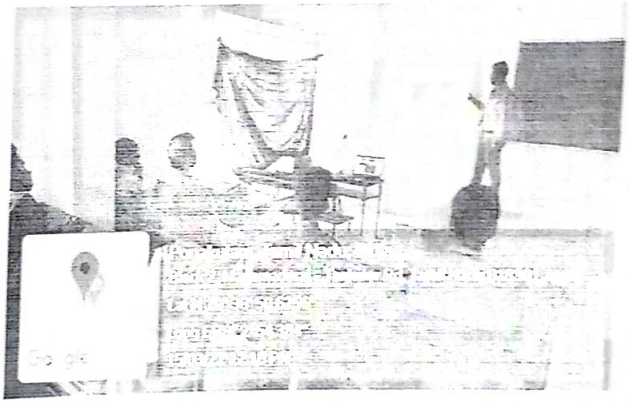
Subject: ME8691 Computer Aided Design and Manufacturing

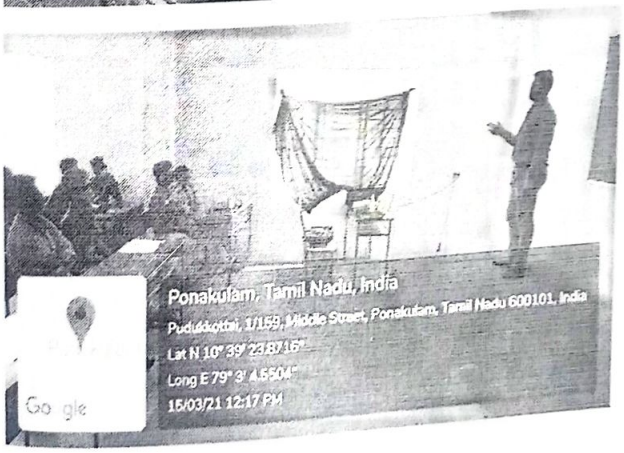
Date: 15/03/2021

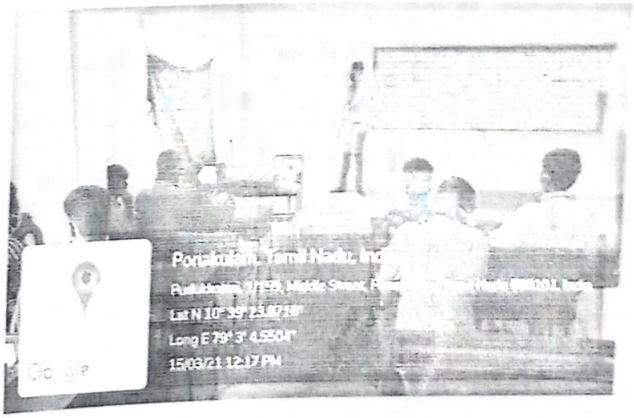
Time: 12.00 PM to 12.50 PM

In order to assist the knowledge of III Mechanical Engineering students of strength 59 students, NPTEL session was handled by Mr. S. Desikan, AP/Mechanical under the topic of Computer Graphics (Unit I Introduction). The student utilized the session and gained knowledge about Computer graphics which is used in computer aided design and the basic knowledge about beizers curve and computer architecture can help the students where to draw the curve in Designing.

Session Photos







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Department of Mechanical Engineering

Academic year 2020-2021 (Even)

NPTEL Session on Computer Graphics ME8691 CADM

SN	Register Number	Nameof the Student	Students Signature
1	821118114001	Abimanyu M	Abimanyu
2	821118114003	Abinash B	
3	821118114004	Akash B	B. Akash
4	821118114005	Akash (23.01.2001) R	
5	821118114006	Akash (06.05.2001) R	
6	821118114007	Akashraja D	R. Akashraja
7	821118114008	Akilarasan C	Akilarasan.
8	821118114010	Arulselvam E	E. Arulselvam
9	821118114011	Arunpandiyan S	S. Arunpandiyan
10	821118114012	Aswin D	Aswin.
11	821118114013	Ayyappan D	
12	821118114014	Birthivaraj D	Birthivaraj.
13	821118114016	Chandru K	K. Chandru
14	821118114018	Fazil ahamed S	
15	821118114019	Gokula krishnan M	AB
16	821118114020	Gowthaman R	
17	821118114021	Guhan C	C. Guhan.
18	821118114022	Jayaraj B	Jayaraj
19	821118114023	Jegathish S	Jegathish
20	821118114024	Jerome X	X. Jerome
21	821118114025	Kailashkumar M	M. Kailash
22	821118114026	Karthikeyan R	Karthikeyan
23	821118114027	Karthik karan S	Karthik karan
24	821118114029	Keerthi gopal M M	AB
25	821118114031	Krithick roshan S	S. Krithick
26	821118114032	Maheswaran M	AB
27	821118114033	Manikandan P	P. Manikandan
28	821118114034	Midhunkumar E	Midhunkumar.
29	821118114036	Muralidharan B	M. Muralidharan. B.
30	821118114037	Muthukumaran U	AB
31	821118114038	Naveen S	Naveen.
32	821118114039	Pavithraj D	D. Pavithraj
33	821118114040	Pradheesh P	P. Pradheesh

34	821118114043	Rajadurai R	R. Rajadurai
35	821118114044	Rajagopal raja R M	AB
36	821118114045	Ramkumar M	
37	821118114046	Ranjith B	
38	821118114048	Renga samy G	
39	821118114049	Samuel S	
40	821118114050	Sanjay kumar S	S. Sanjaykumar
41	821118114052	Selvaganapathy K	AB
42	821118114053	Senthil kumar C	C. Senthilkumar
43	821118114054	Sivasankar S	
44	821118114055	Surya S	
45	821118114056	Tamilarasan S	
46	821118114057	Vanjinathan A	A. Vanjinathan
47	821118114060	Veeraragavan V	AB
48	821118114061	Vengatesh R	AB
49	821118114062	Venkatesh A	A. Venkatesh
50	821118114063	Venkatesh E	
51	821118114064	Vignesh M	M vignesh
52	821118114065	Vigneshwaran J	vigneshwaran J
53	821118114066	Vigneshwaran K	AB
54	821118114067	Vijayaparthiban M	M. vijayaparthiban
55	821118114069	Vivek sarathi G	G. Vivek Sarathi
56	821118114070	Yageshwaran J	J. Yageshwaran
57	821118114302	Ramanan V	AB
58	821118114303	Ranjith Kumar M	
59	821118114501	Dhanasekar E	

T. Purushothaman
HoD/Mechanical 17/3/21

16.03.21
Class In Charge

Feedback from the Students

Parameter	Excellent	Satisfactory	Good	Yet to be improved
Content of the Session	39	16	04	-
Resource person delivery towards the prescribed content within the given time	22	31	06	-
Audio/Video Clarity	32	19	08	-
Overall feedback about the session	35	14	10	-

T. Purushothaman
HoD/Mechanical 17/3/21

16.03.21
Course In Charge

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Department of Mechanical Engineering

NPTEL Session Handled Report on ME8651 Design of Transmission Syatem

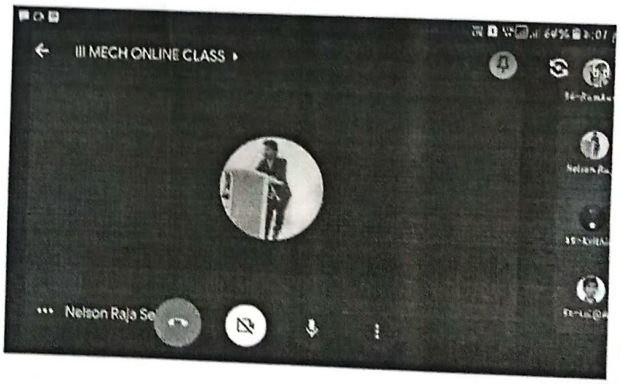
Name of the Session: NPTEL

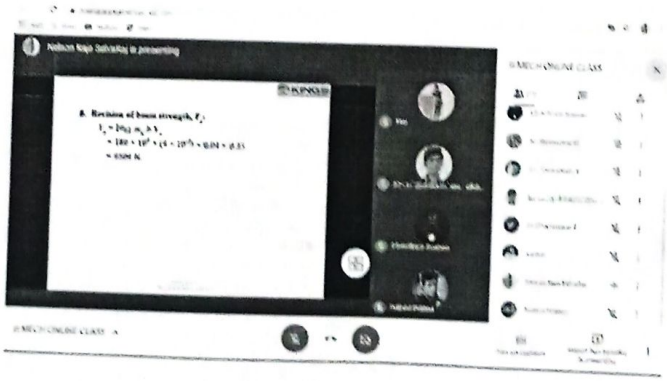
Subject: ME8651 Design of Transmission System

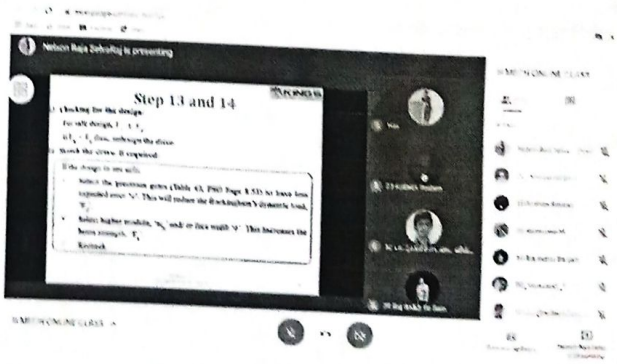
Date: 05/04/2021

Time: 3.00 PM to 4.00 PM

In order to assist the knowledge of III Mechanical Engineering students of strength 59 students through online, NPTEL session was handled by Mr. S. Nelson Raja, AP/Mechanical under the topic of Sliding Mesh Gear Box (Unit 4 Gear Boxes). The student utilized the session and gained knowledge about gear boxes which is used in designing and the basic knowledge about machine components design and their influence, can help the students to design the gear boxes.







DEPARTMENT OF MECHANICAL ENGINEERING

III YEAR / ACEDEMIC YEAR 2020-21(EVEN) / BATCH 2018-22

R. NO	REGISTER NUMBER	NAME OF THE STUDENT
1	821118114001	ABIMANYU M
2	821118114003	ABINASH B
3	821118114004	AKASH B
4	821118114005	AKASH (23.01.2001) R
5	821118114006	AKASH (06.05.2001) R
6	821118114007	AKASHRAJA D
7	821118114008	AKILARASAN C
8	821118114010	ARULSELVAM E
9	821118114011	ARUNPANDIYAN S
10	821118114012	ASWIN D
11	821118114013	AYYAPPAN D
12	821118114014	BIRTHIVARAJ D
13	821118114016	CHANDRU K
14	821118114018	FAZIL AHAMED S
15	821118114019	GOKULA KRISHNAN M
16	821118114020	GOWTHAMAN R
17	821118114021	GUHAN C
18	821118114022	JAYARAJ B
19	821118114023	JEGATHISH S
20	821118114024	JEROME X
21	821118114025	KAILASHKUMAR M
22	821118114026	KARTHIKEYAN R
23	821118114027	KARTHIK KARAN S
24	821118114029	KEERTHI GOPAL M
25	821118114031	KRITHICK ROSHAN S
26	821118114032	MAHESWARAN M
27	821118114033	MANIKANDAN P
28	821118114034	MIDHUNKUMAR E
29	821118114036	MURALIDHARAN B
30	821118114037	MUTHUKUMARAN U
31	821118114038	NAVEEN S
32	821118114039	PAVITHRAJ D
33	821118114040	PRADHEESH P
34	821118114043	RAJADURAI R
35	821118114044	RAJAGOPAL RAJA R M
36	821118114045	RAMKUMAR M
37	821118114046	RANJITH P
38	821118114048	RENGA SAMY G
39	821118114049	SAMUEL S
40	821118114050	SANJAY KUMAR S
41	821118114052	SELVAGANAPATHY K
42	821118114053	SENTHIL KUMAR C
43	821118114054	SIVASANKAR S
44	821118114055	SURYA S
45	821118114056	TAMILARASAN S
46	821118114057	VANJINATHAN A
47	821118114060	VEERARAGAVAN V
48	821118114061	VENGATESH R
49	821118114062	VENKATESH A
50	821118114063	VENKATESH E
51	821118114064	VIGNESH M
52	821118114065	VIGNESHWARAN J
53	821118114066	VIGNESHWARAN K
54	821118114067	VIJAYAPARTHIBAN M
55	821118114069	VIVEK SARATHI G
56	821118114070	YAGESHWARAN J
57	821118114302	RAMANAN V
58	821118114303	RANJITH KUMAR M
59	821118114501	DHANASEKAR E

Staff In-Charge

HoD/Mechanical

Feedback from the Students

Parameter	Excellent	Satisfactory	Good	Yet to be improved
Content of the Session	42	12	05	-
Resource person delivery towards the prescribed content within the given time	32	15	12	-
Audio/Video Clarity	30	24	05	-
Overall feedback about the session	32	23	04	-

6/4/21

Staff In-Charge

HoD/Mechanical

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Department of Mechanical Engineering

NPTEL Session Handled Report on ME8091 Automobile Engineering

Name of the Session: NPTEL

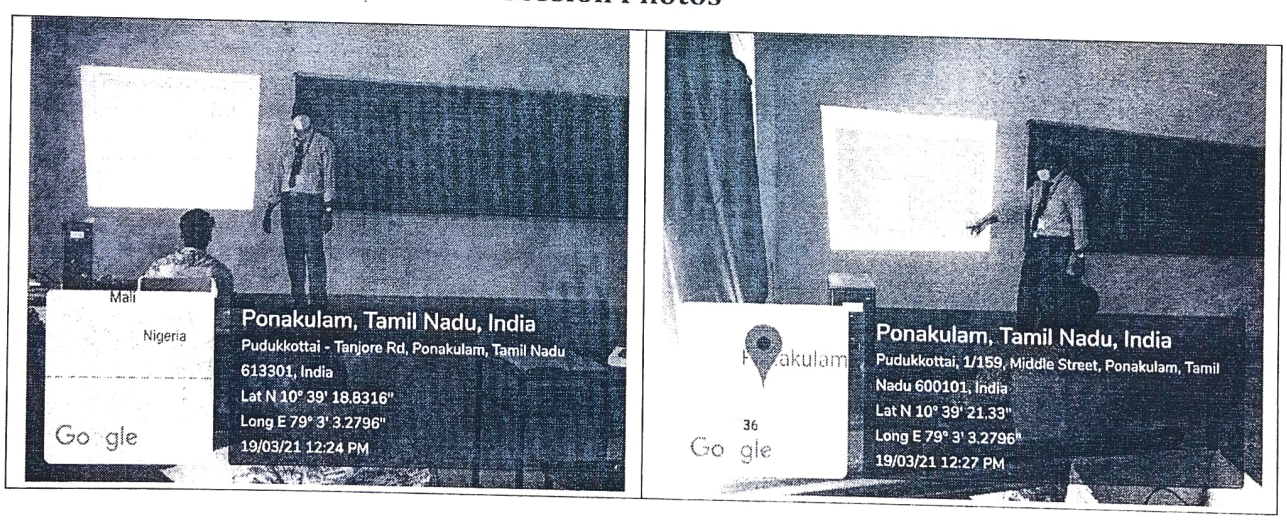
Subject: ME8091 Automobile Engineering

Date: 19/03/2021

Time: 12.00 PM to 12.45 PM

In order to assist the knowledge of III Mechanical Engineering students NPTEL session was handled by Dr. T. Pushparaj, Professor/Mechanical under the topic of Vehicle parts and aerodynamics (Unit I Vehicle Structure and Engines). The student utilized the session and gained knowledge about vehicle parts and aerodynamics which was used in recent automobile vehicles. The students able to distingue various parts of automobile and its functions aerodynamic concepts like drag, lift, weight and thrust.

Session Photos



Department of Mechanical Engineering
Academic year 2020-2021 (Even)
NPTEL Session on ME8091 Automobile Engineering

SN	Register Number	Nameof the Student	Students Signature
1	821118114001	Abimanyu M	
2	821118114003	Abinash B	A
3	821118114004	Akash B	
4	821118114005	Akash (23.01.2001) R	
5	821118114006	Akash (06.05.2001) R	
6	821118114007	Akashraja D	
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12	821118114014	Birthivaraj D	
13	821118114016	Chandru K	
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19	821118114023	Jegathish S	
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25	821118114031	Krithick roshan S	A
26	821118114032	Maheswaran M	
27	821118114033	Manikandan P	A
28	821118114034	Midhunkumar E	A
29	821118114036	Muralidharan B	
30	821118114037	Muthukumaran U	
31	821118114038	Naveen S	
32	821118114039	Pavithraj D	
33	821118114040	Pradheesh P	

34	821118114043	Rajadurai R	
35	821118114044	Rajagopal raja R M	A
36	821118114045	Ramkumar M	
37	821118114046	Ranjith B	
38	821118114048	Renga samy G	
39	821118114049	Samuel S	
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43	821118114054	Sivasankar S	
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45	821118114056	Tamilarasan S	
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51	821118114064	Vignesh M	
52	821118114065	Vigneshwaran J	A
53	821118114066	Vigneshwaran K	A
54	821118114067	Vijayaparthiban M	
55	821118114069	Vivek sarathi G	
56	821118114070	Yageshwaran J	
57	821118114302	Ramanan V	
58	821118114303	Ranjith Kumar M	
59	821118114501	Dhanasekar E	

Feedback from the Students

Parameter	Excellent	Satisfactory	Good	Yet to be improved
Content of the Session	30	14	05	-
Resource person delivery towards the prescribed content within the given time	28	16	05	-
Audio/Video Clarity	32	10	07	-
Overall feedback about the session	35	8	06	-

T. Pmhmy 22/3/21

Course In Charge

T. Pmhmy 22/3/21

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Department of Mechanical Engineering

NPTEL Session Handled Report

Name of the Session: NPTEL **Year / Section: IV / B**

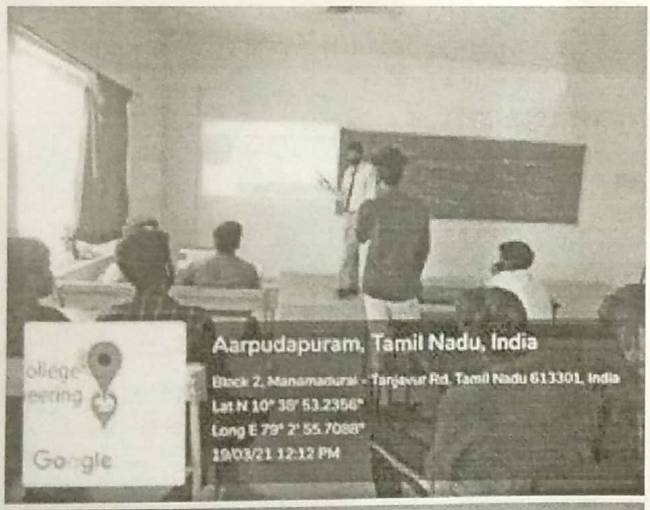
Subject: ME 8094 COMPUTER INTEGRATED MANUFACTURING SYSTEMS

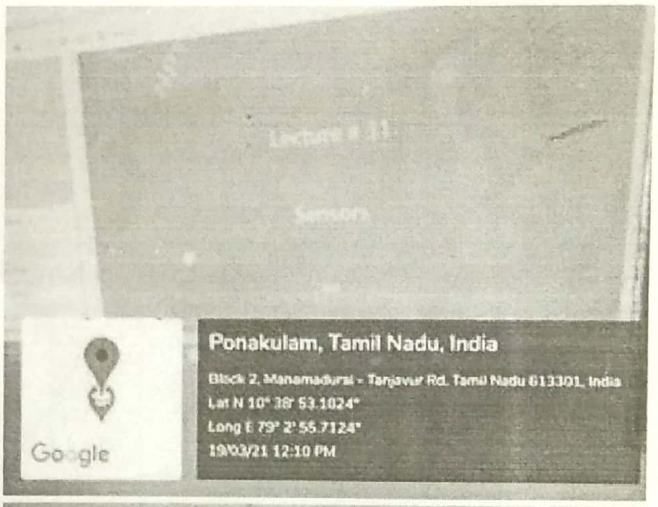
Date: 19/03/2021

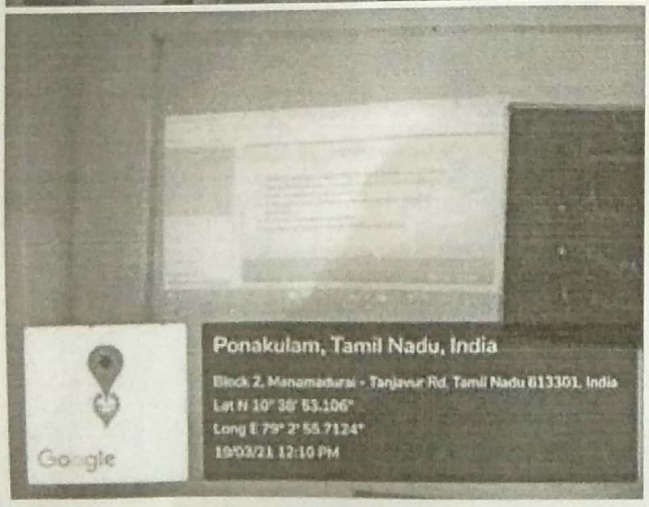
Time: 11.55 AM to 12.50 PM

In order to assist the knowledge of IV year Mechanical Engineering students of strength 35 students, NPTEL session was handled by Mr. M. SAKTHIVEL, AP/Mechanical under the topic of Sensors in robotics (Unit V Industrial Robotics). The student utilized the session and gained knowledge about Sensors which is used in Robotics, AGVS, FMS, and CNC this can help the students to develop their knowledge in sensors application in their engineering field.

Session Photos







Subject-in-charge 19/3/21

HOD/Mech 19/3/21

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Department of Mechanical Engineering

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Virtual labs conducted year wise

ACADEMIC YEAR	DATE	SESSION HANDLED BY	LAB DETAILS	BENEFECIARIES
2017-18 ODD	04.08.17	Mr.V.Vinoth Kannan AP/Mech	Psychrometry and its properties. MHRD (IITG)	II Mech - 98
2019-20 odd	31.08.19	J.Rajaparthiban AP/Mech	FAB Laboratory (Simulator based) IIT, Kharagpur	IV Mech – 88
2019-20 odd	10.09.19	Aswin.M AP/Mech	Metal Forming Virtual Simulation lab IIT, Kharagpur	II Mech - 64
2020-21 odd	31.08.20	Aswin.M AP/Mech	ANSYS simulation MHRD (IITG)	IV MECH-68
2020-21 even	14.06.21	Aswin.M AP/Mech	Vibration and machining process IIT, Kharagpur	I EEE -36

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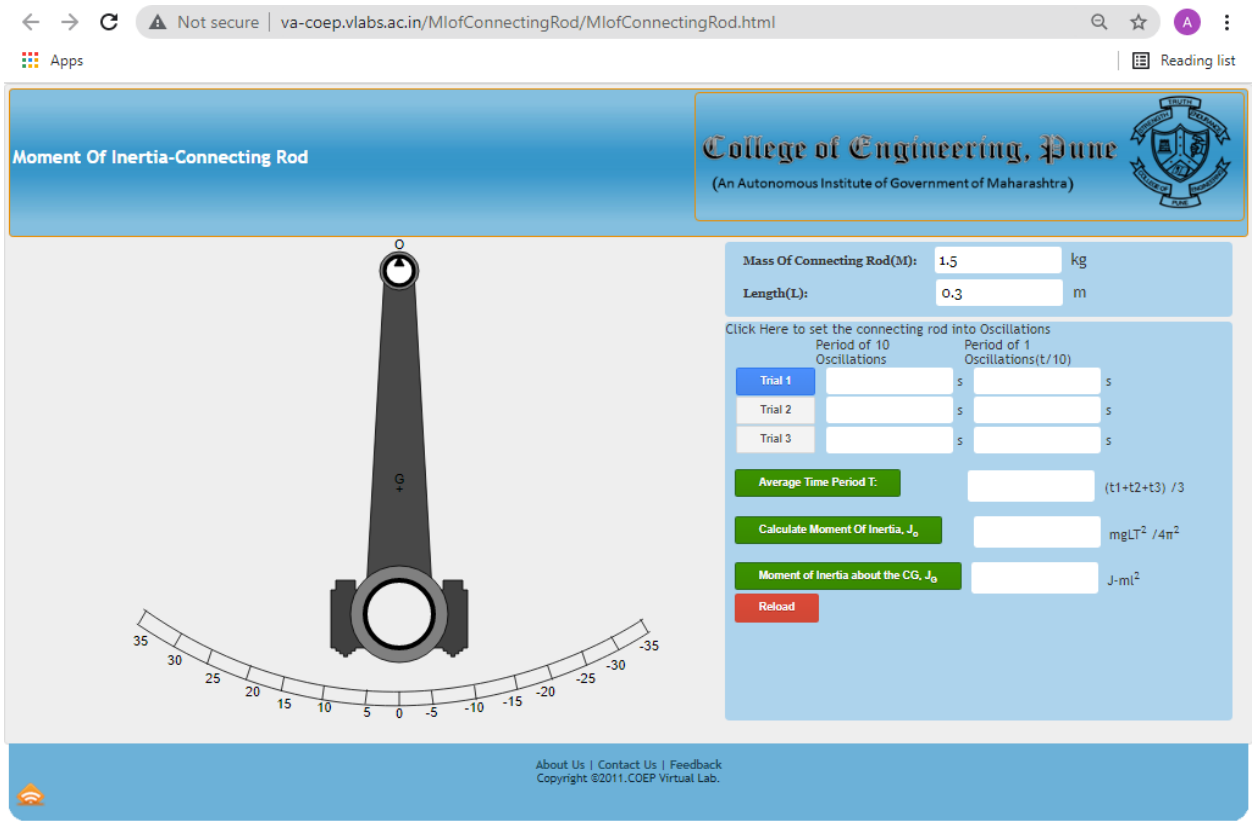
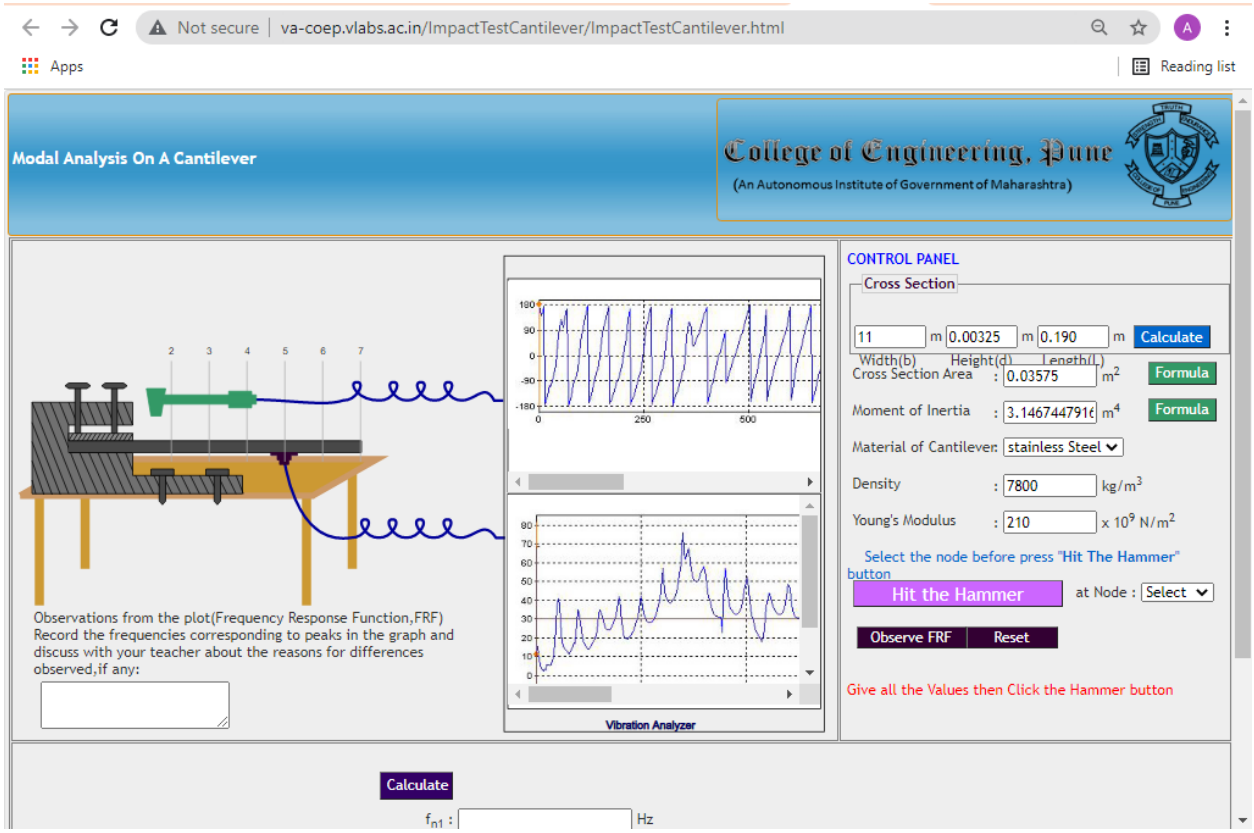
Department of Mechanical Engineering
Academic year 2020-21 (EVEN)

Department of Mechanical Engineering has conducted Virtual lab sessions for I year students of EEE during the academic year 2020-21 (Odd Semester). The main objective of the Virtual laboratory is to provide remote-access to Labs in various disciplines of Engineering. In the Thematic Session, Mr.M.ASWIN, AP/MECH, explained the theme of the virtual lab sessions. This would help in learning basic and advanced concepts through remote experimentation.

Virtual Lab Session:

For I Year EEE students virtual lab sessions were conducted on vibration and machining process by IIT, Kharagpur.





Snapshots of the session

Subject incharge **HoD/Mech**

DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2019-20 (ODD SEM)
VIRTUAL LAB REPORT

Objective

- To enthuse students to conduct experiments by arousing their curiosity.
- To help them in learning basic and advanced concepts through remote experimentation
- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self evaluation.

Background & Objective:

Department of Mechanical Engineering has conducted Virtual lab sessions for II year & IV Year students during the academic year 2019-20 (Odd Semester).. The main objective of the Virtual laboratory is to provide remote-access to Labs in various disciplines of Engineering. In the Thematic Session, Mr.M.ASWIN, AP/MECH, explained the theme of the virtual lab sessions. This would help in learning basic and advanced concepts through remote experimentation.

Virtual Lab Sessions:

For IV Year civil students virtual lab sessions were conducted on FABRICATION LABORATORY.

For II Year civil students virtual lab sessions were conducted on Metal forming Simulation Laboratory. It presents the laboratory aspects of this subject, in an imaginary way. Students have an opportunity to view before and after doing the experiment to gauge whether his or her understanding has increased, and to make the student more comfortable while doing experiments.

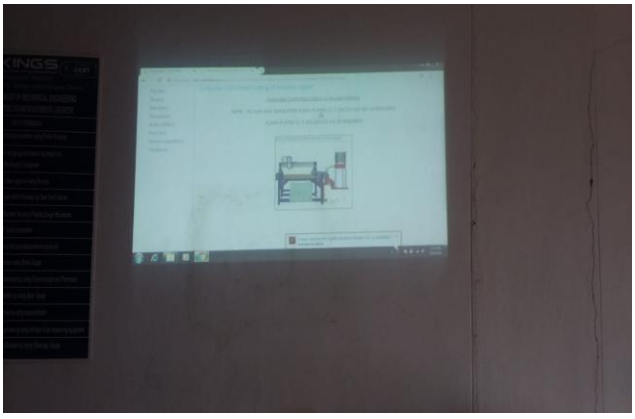
Metal Forming Virtual Simulation lab, offered by IIT, Kharagpur
Date : 10.09.19 for II Year MECH (No. of participants: 64)
Session coverage:

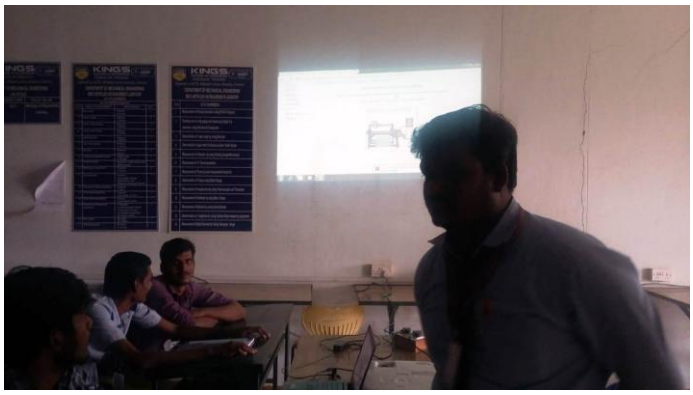
- UPSETTING PROCESS
- EXTRUSION PROCESS

Virtual lab session on Metal forming by Mr.M.Aswin, AP/MECH

FAB Laboratory (Simulator based) offered by IIT, Kharagpur
Date : 31.08.19 for IV Year MECH (No. of participants: 88)
Session coverage:

- 3D Scanning
- Computer Controlled Cutting of wooden object
- 3D Machining
- PCB design & fabrication
- Interface & Application Programming
- Digital Fabrication of Flexible Circuit board





Virtual lab session on FAB laboratory by Mr.J.Rajaparthiban, AP/MECH

Outcome

Virtual lab showcase the content being taught, which will keep students interested, and provides a form of interaction that could not normally be easily conducted in the classroom.

Virtual lab allows flexibility for the teacher who is not limited by using resources within a strict timeframe. Virtual Labs will be more effective and realistic because of providing additional inputs to the students like accompanying audio and video streaming of an actual lab experiment and equipment.

The students can explore the experimental procedures prior to actually performing it in the laboratory, and are therefore being much more informed on what is to be done in the laboratory and what results to expect.

The use of the virtual laboratory allows the students to exercise the same in numerous ways in the web which is not easily experimented in the traditional laboratory.

Students will easily understand the concepts and methods by virtually seeing the experiments instead of listening to lectures. For the 'touch and feel' part, the students can possibly visit an actual laboratory for a short duration.

IQAC Coordinator **HOD/MECH** **PRINCIPAL**

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DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2017-18 (ODD SEMESTER)

VIRTUAL LAB – PSYCHROMETRY AND ITS PROPERTIES

OBJECTIVE OF VIRTUAL LAB:

A virtual laboratory is a tool for distance learning and/or experimentation that allows people to share knowledge, data, voice, video, tools, and many other resources. It provides a suitable environment to extend, improve, integrate, refine, and assist the learning and/or experimentation process of many subjects, thus contributing to an increase of the effectiveness of scientific research and widening the use of scarce or costly equipments.

Lab courses richly rely upon new up-to-date content and various techniques that require a new synergy of knowledge and experimental implementation.

This project is an initiative of Ministry of Human Resource Department under National Mission on Education through ICT. These experiments and labs will be hosted for open access through the main project website http://vem-iitg.vlabs.ac.in/

PROGRAM CONDUCTED:

Department of Mechanical Engineering conducted Virtual Lab Session for the course Psychrometry and its properties.

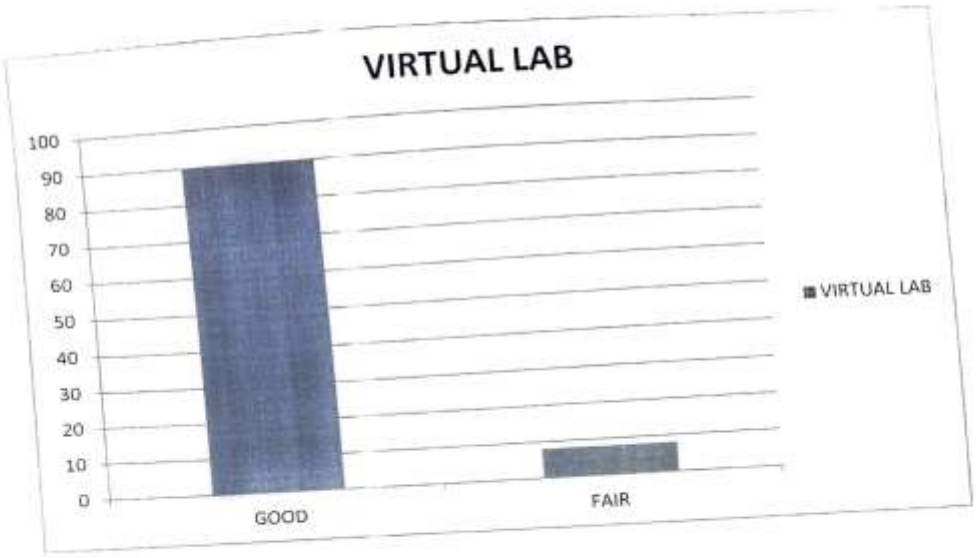
Venue: Drawing Hall

Date: 04.08.17

The session was attended by third year Mechanical students. 98 students were attended this program.

FEEDBACK:

Feedback also collected for this virtual lab session, 90 students marked well out of 98.

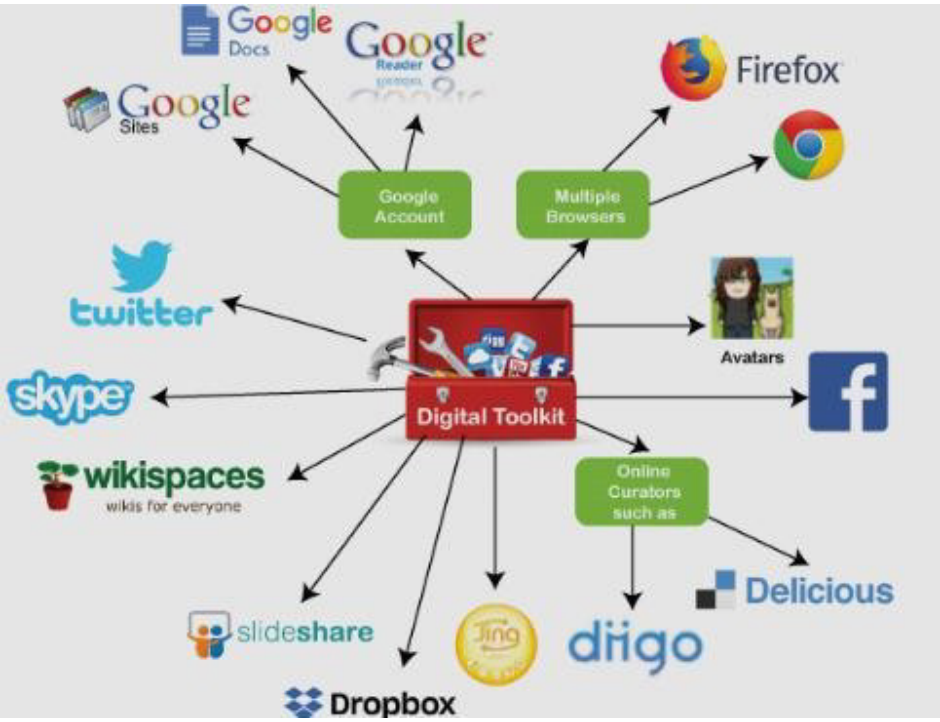


IQAC MEMBER

HoD/MECH

DEPARTMENT OF SCIENCE AND HUMANITIES

2.3.2 ICT TOOLS



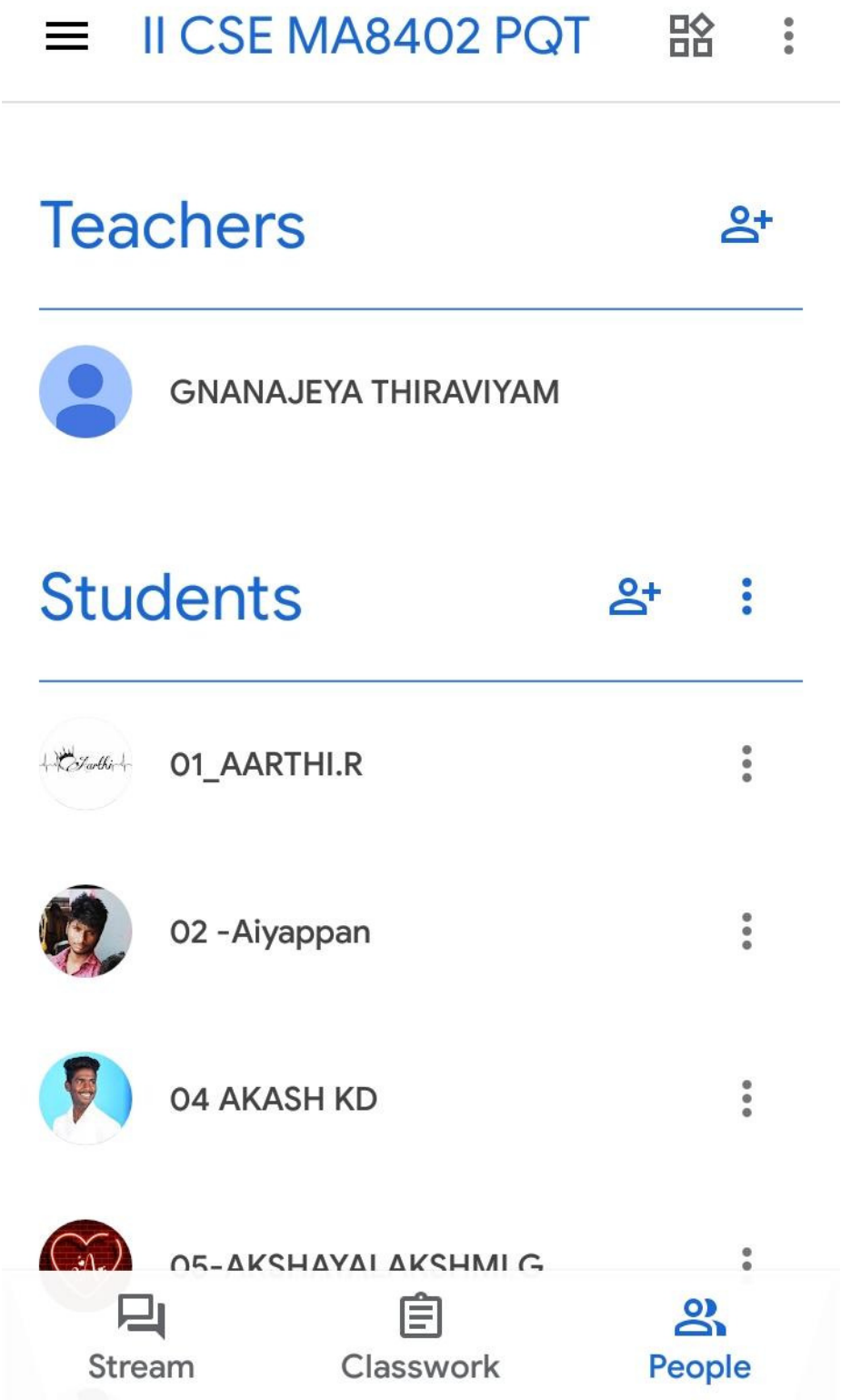
CONTENT

ACADEMIC YEAR: 2020-2021

BATCH: (2021-2025)

SUBJECT: PROBABILITY AND QUEUEING THEORY

STAFF NAME: Mrs. T.GNANAJEYA



Study Material

Unit IV Queueing Models
Posted 21 Jun

Unit III Random Processes
Posted 21 Jun

Unit V Advanced Queueing Mod...
Posted 18 Jun

Unit II Two Dimensional Random ...
Posted 18 Jun

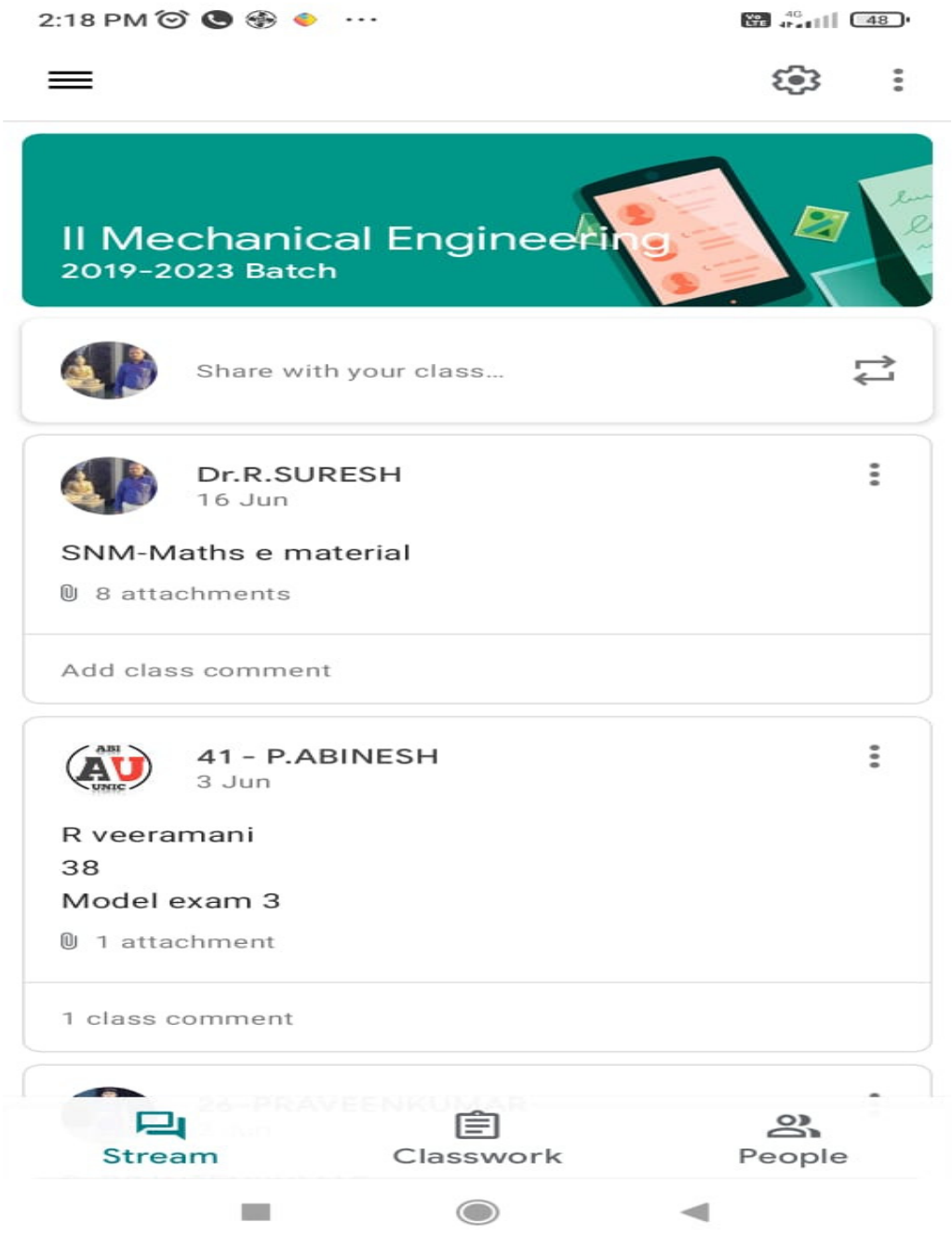
Unit I Probability and Random Va...
Posted 18 Jun

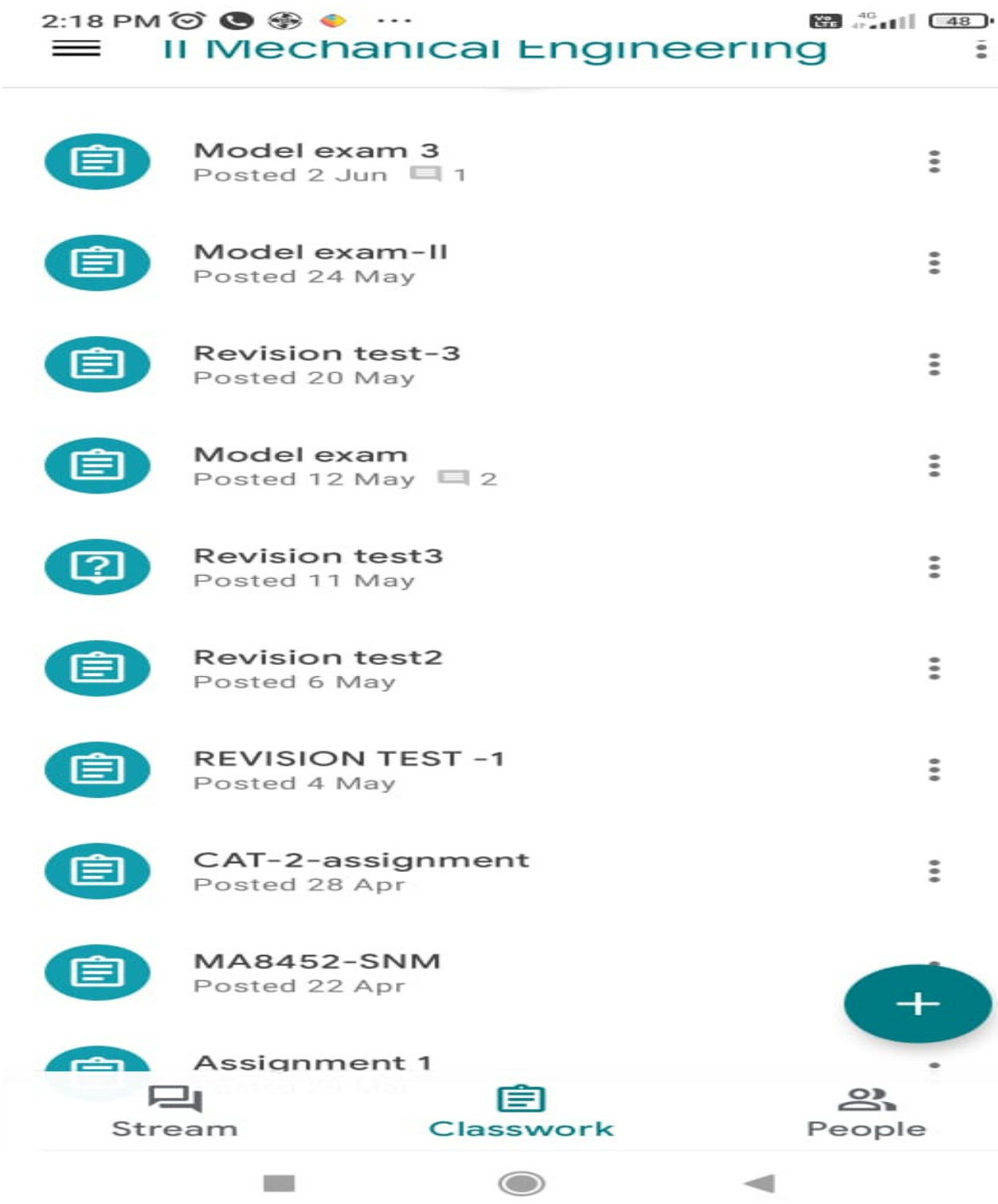
Model Exam III

Model Examination III

Stream Classwork People

ACADEMIC YEAR: 2020-2021
BATCH: (2019-2023)
SUBJECT: STATISTICS AND NUMERICAL METHODS
STAFF NAME: Dr.R.Suresh



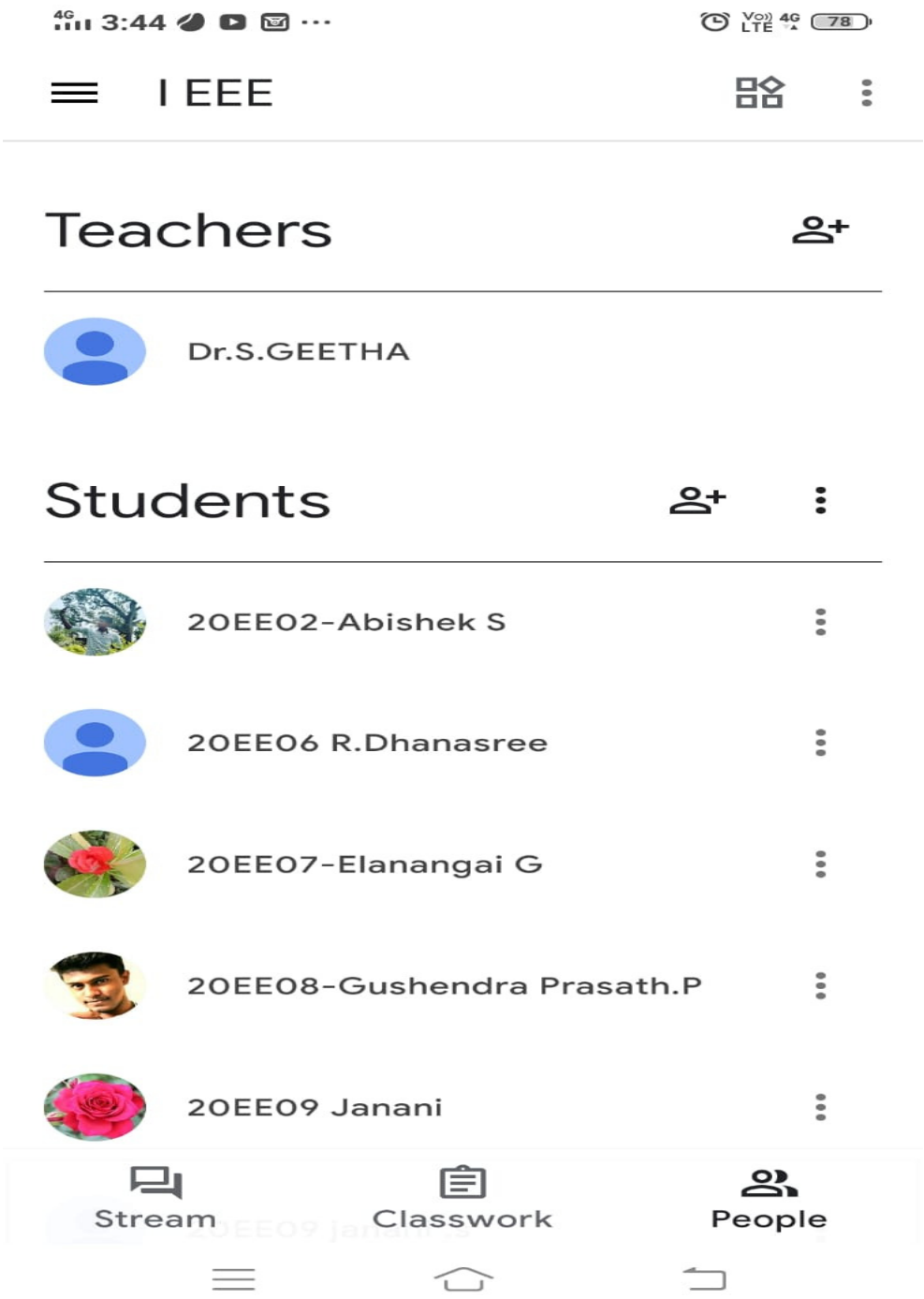

2:18 PM
II Mechanical Engineering
Model exam 3
Posted 2 Jun 1
Model exam-II
Posted 24 May
Revision test-3
Posted 20 May
Model exam
Posted 12 May 2
Revision test3
Posted 11 May
Revision test2
Posted 6 May
REVISION TEST -1
Posted 4 May
CAT-2-assignment
Posted 28 Apr
MA8452-SNM
Posted 22 Apr
Assignment 1
Stream
Classwork
People

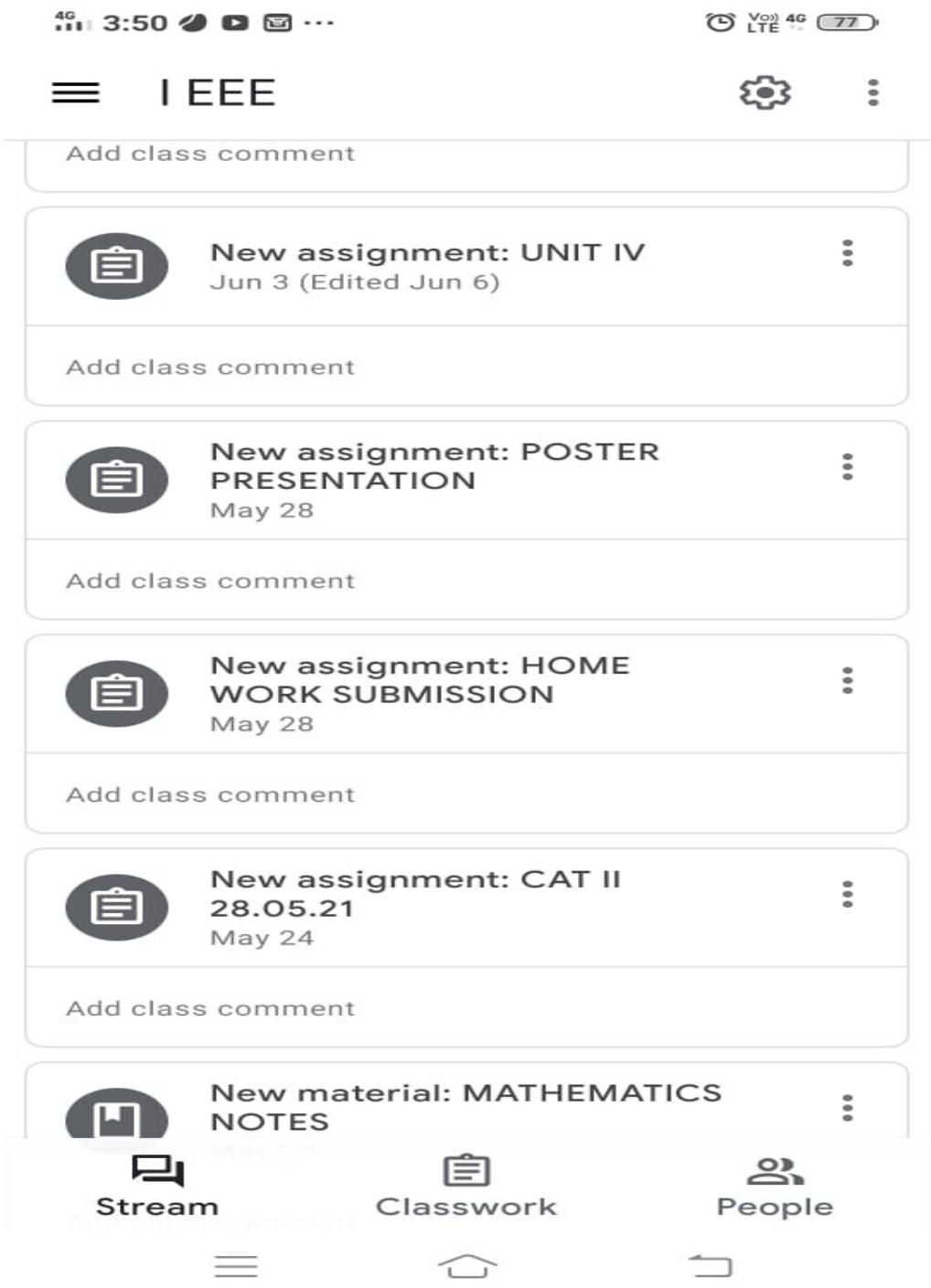
ACADEMIC YEAR: 2020-2021

BATCH: (2020-2024)

SUBJECT: ENGINEERING MATHEMATICS II

STAFF NAME: Dr.S.GEETHA



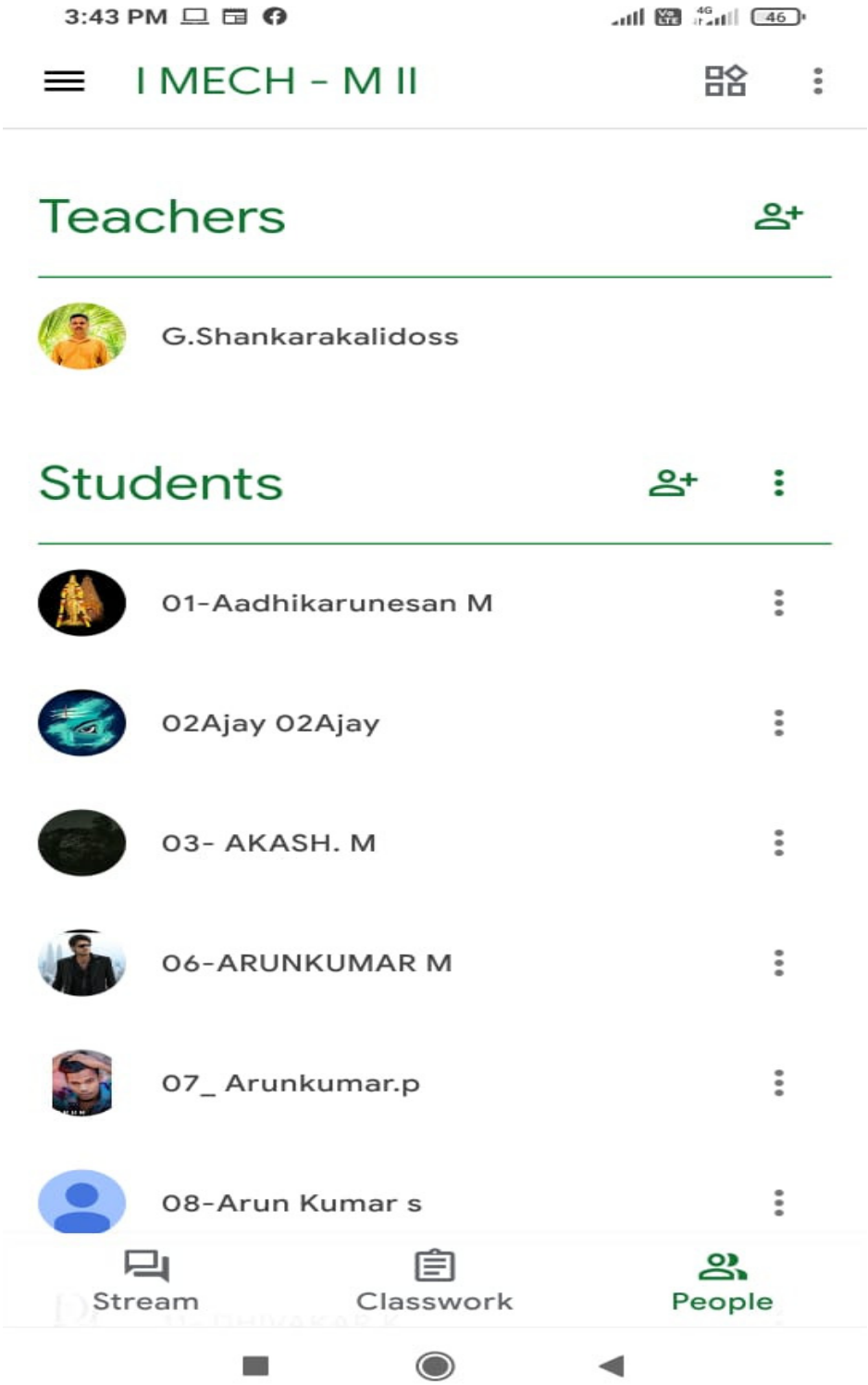

3:50
I EEE
Add class comment
New assignment: UNIT IV
Jun 3 (Edited Jun 6)
Add class comment
New assignment: POSTER PRESENTATION
May 28
Add class comment
New assignment: HOME WORK SUBMISSION
May 28
Add class comment
New assignment: CAT II 28.05.21
May 24
Add class comment
New material: MATHEMATICS NOTES
Stream
Classwork
People

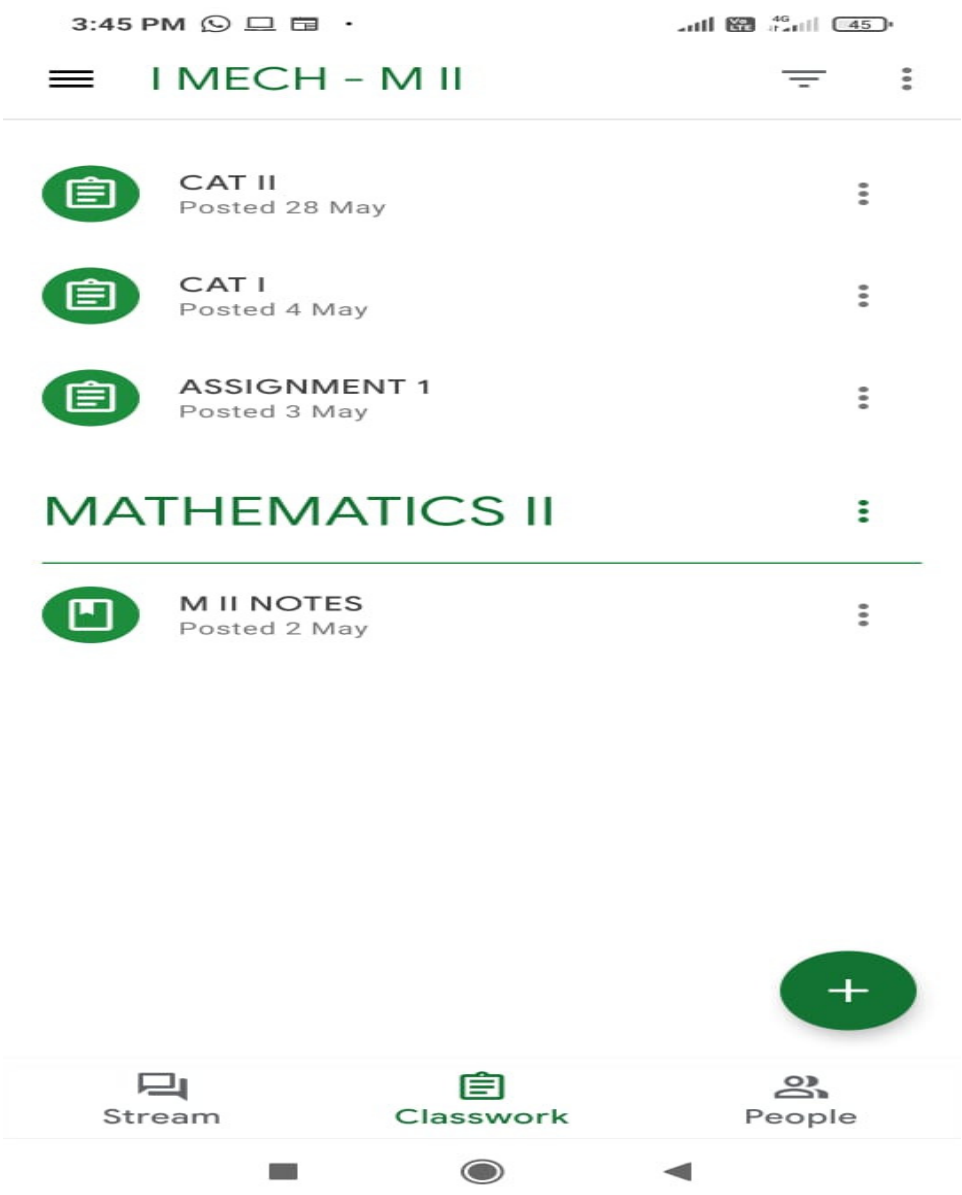
ACADEMIC YEAR: 2020-2021

BATCH: (2020-2024)

SUBJECT: ENGINEERING MATHEMATICS II

STAFF NAME: Dr. G.SHANKARAKALIDOSS



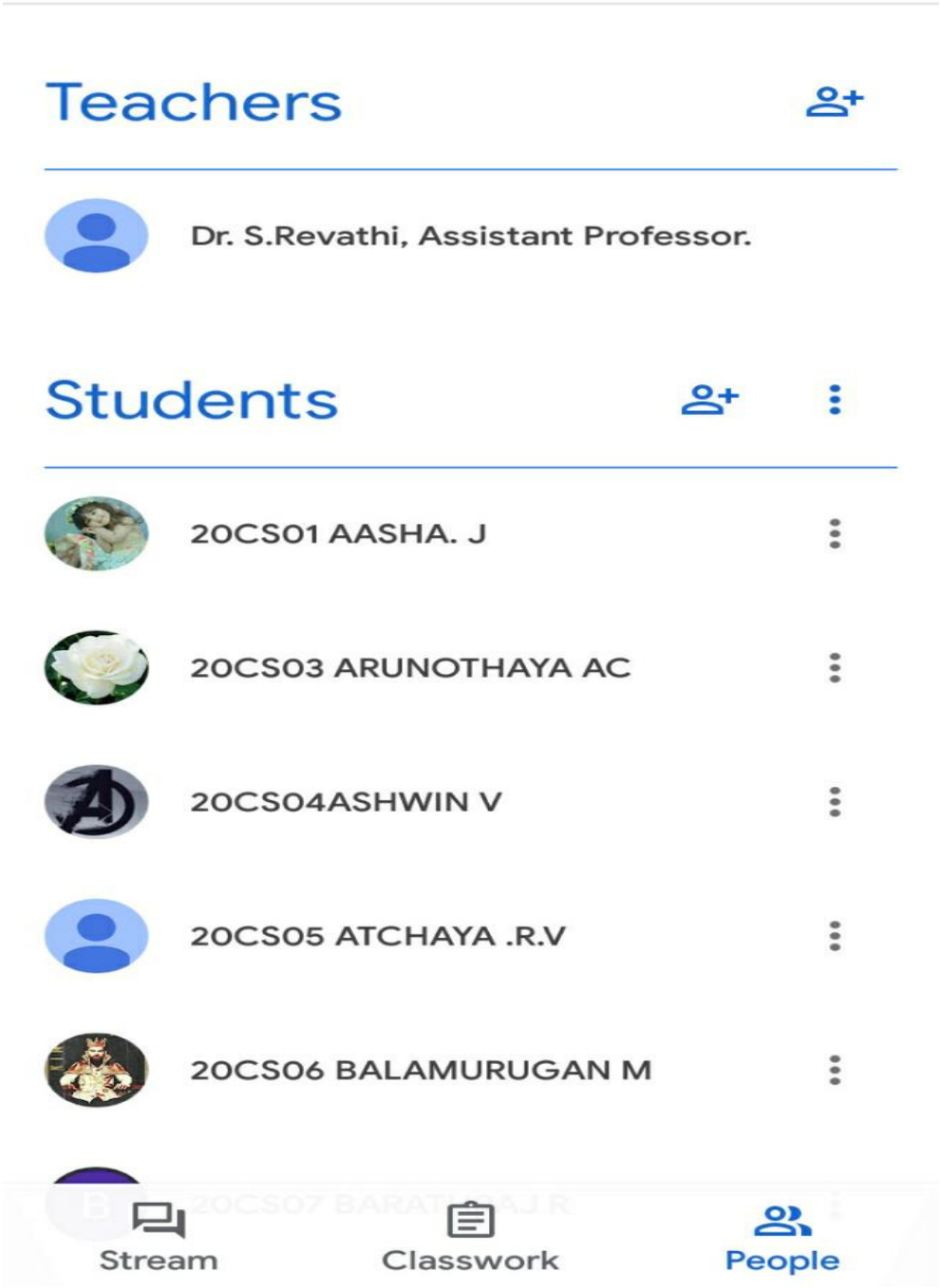

3:45 PM
I MECH – M II
CAT II
Posted 28 May
CAT I
Posted 4 May
ASSIGNMENT 1
Posted 3 May
MATHEMATICS II
M II NOTES
Posted 2 May
Stream
Classwork
People

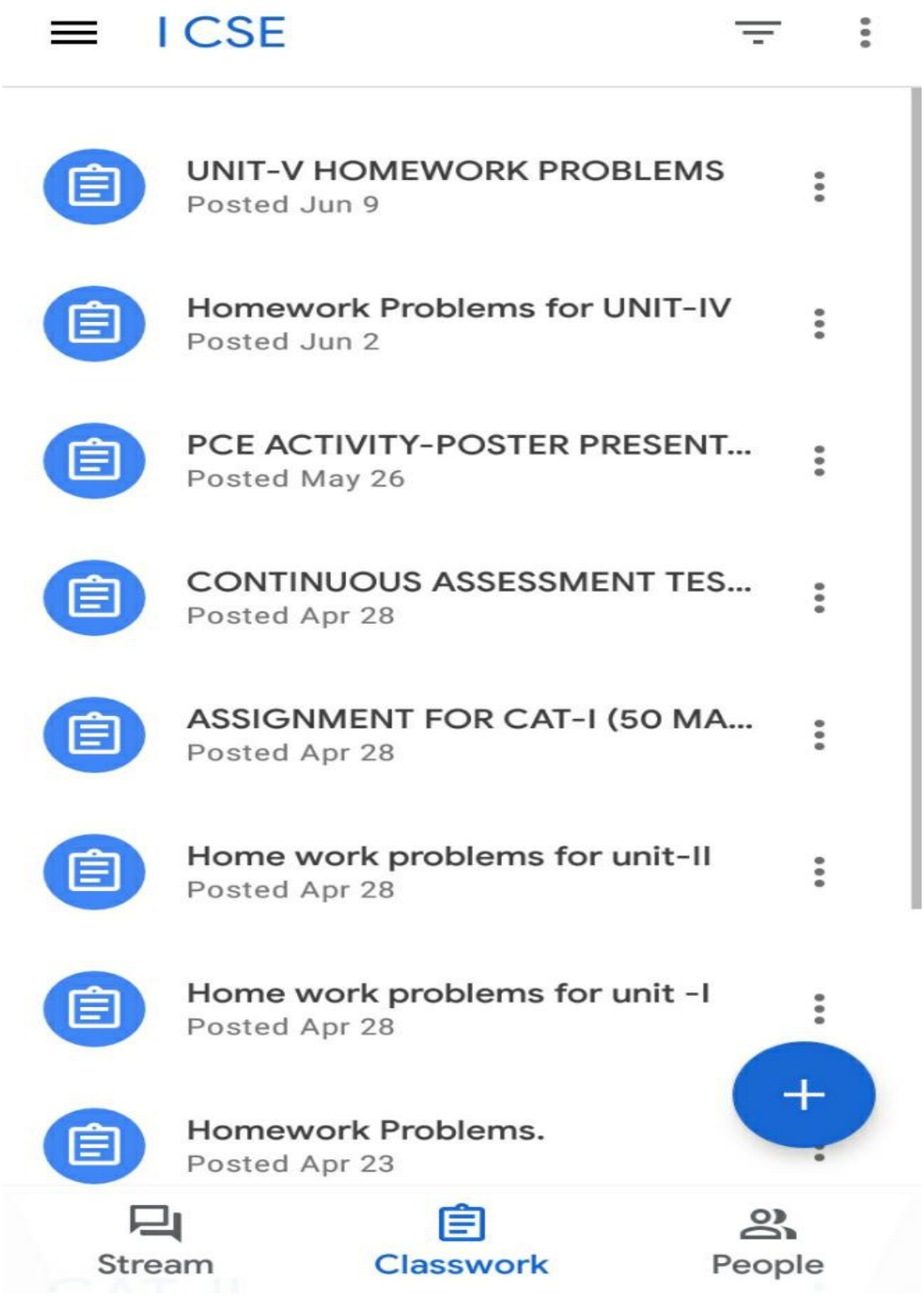
ACADEMIC YEAR: 2020-2021

BATCH: (2020-2024)

SUBJECT: ENGINEERING MATHEMATICS II

STAFF NAME: Dr.S.REVATHI



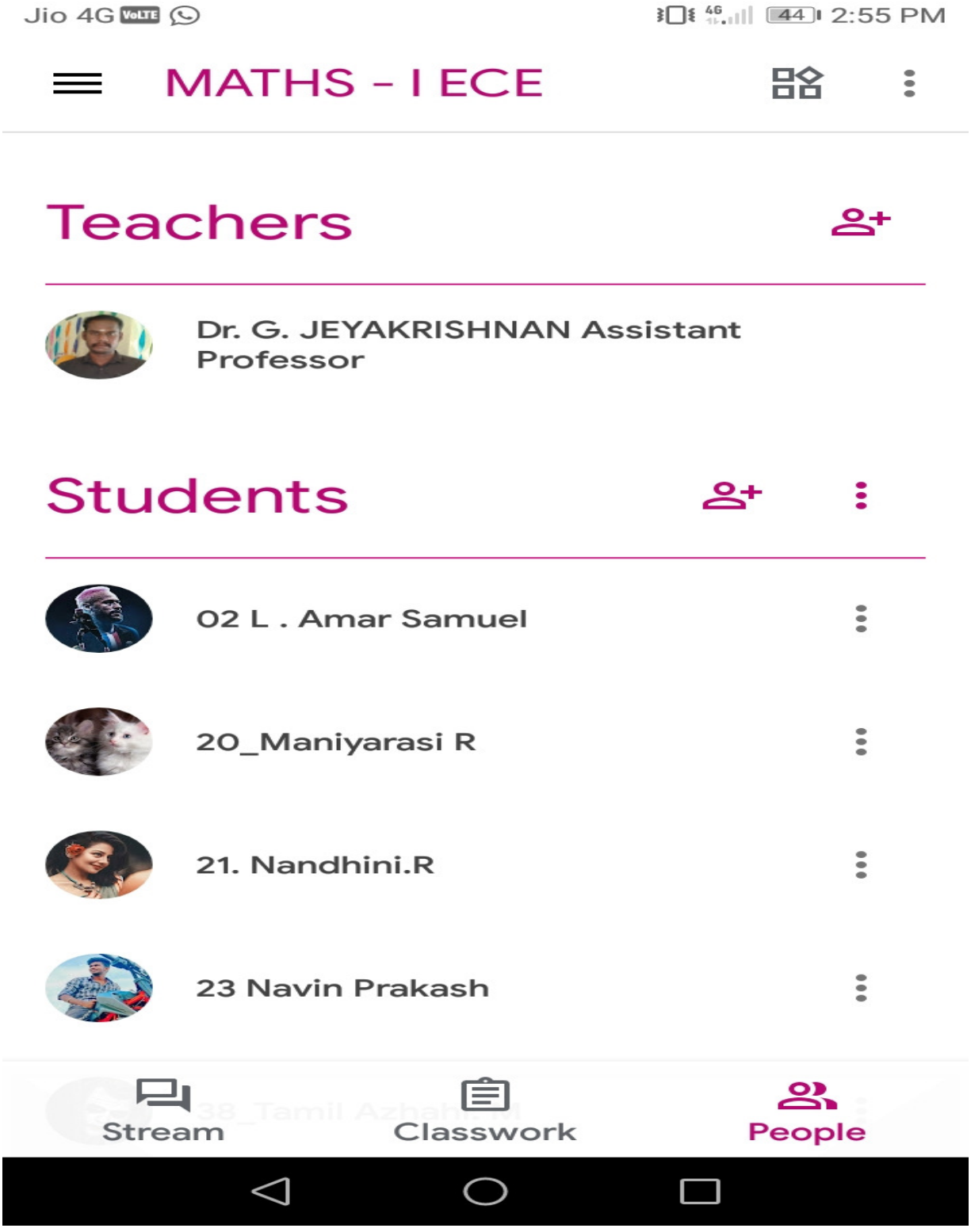

I CSE
UNIT-V HOMEWORK PROBLEMS
Posted Jun 9
Homework Problems for UNIT-IV
Posted Jun 2
PCE ACTIVITY-POSTER PRESENT...
Posted May 26
CONTINUOUS ASSESSMENT TES...
Posted Apr 28
ASSIGNMENT FOR CAT-I (50 MA...
Posted Apr 28
Home work problems for unit-II
Posted Apr 28
Home work problems for unit -I
Posted Apr 28
Homework Problems.
Posted Apr 23
Stream
Classwork
People

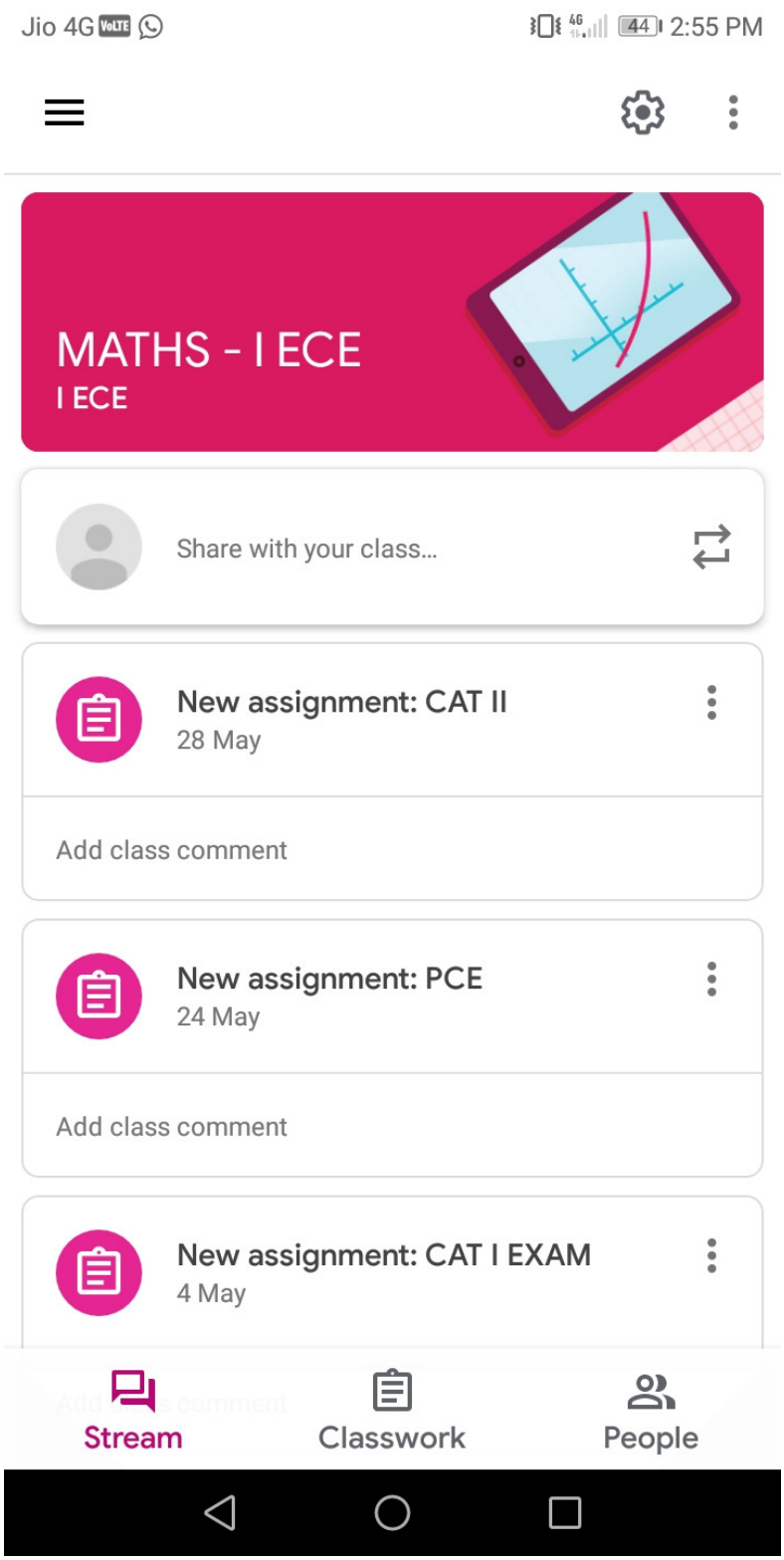
ACADEMIC YEAR: 2020-2021

BATCH: (2020-2024)

SUBJECT: ENGINEERING MATHEMATICS I

STAFF NAME:Dr.G.JEYAKRISHNAN



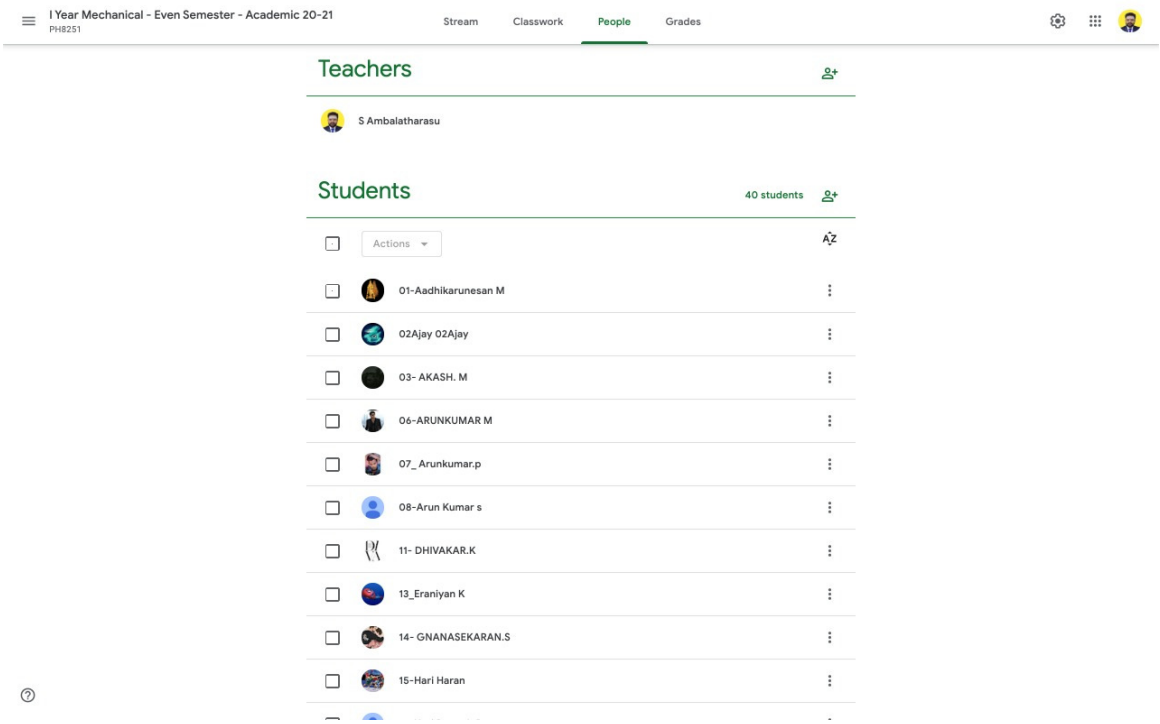

Jio 4G
2:55 PM
MATHS - I ECE
I ECE
Share with your class...
New assignment: CAT II
28 May
Add class comment
New assignment: PCE
24 May
Add class comment
New assignment: CAT I EXAM
4 May
Stream
Classwork
People

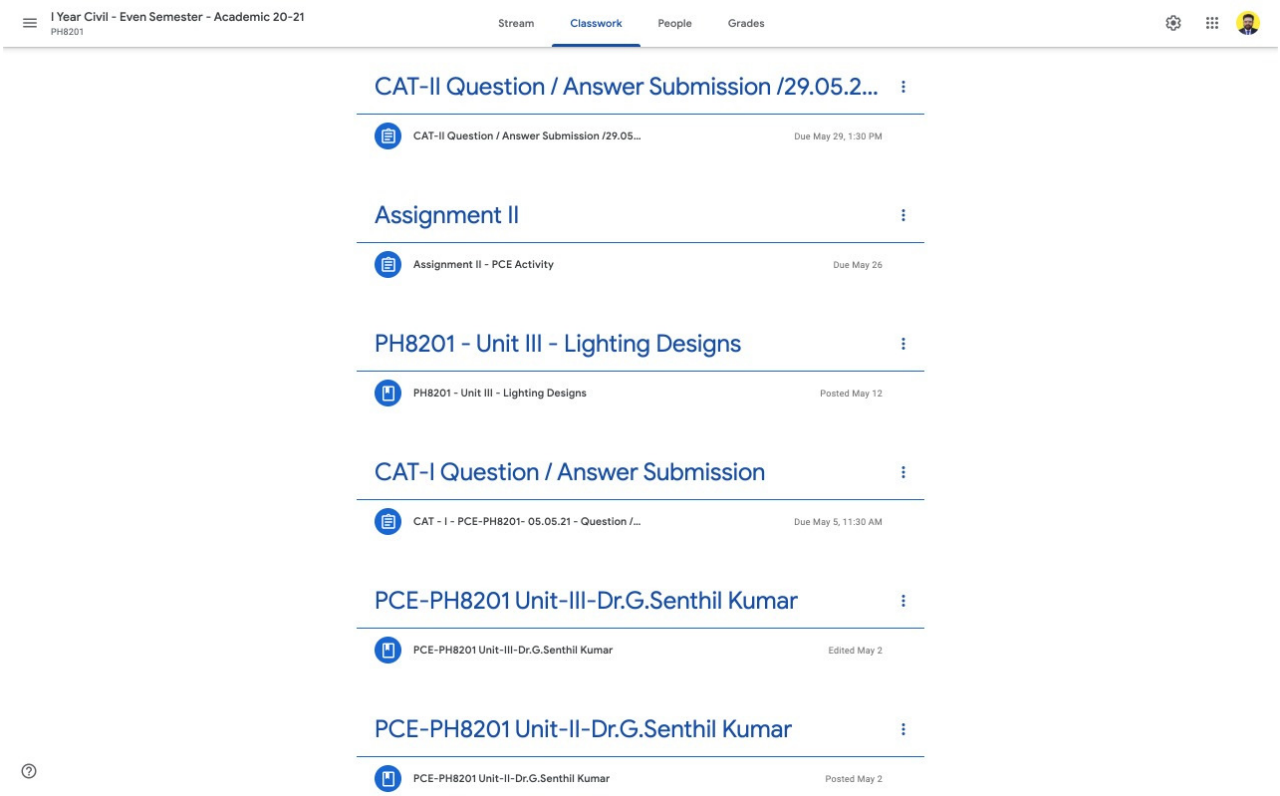
ACADEMIC YEAR: 2020-2021

BATCH: (2020-2024)

SUBJECT: ENGINEERING PHYSICS

STAFF NAME:Mr.S.AMBALATHARASU



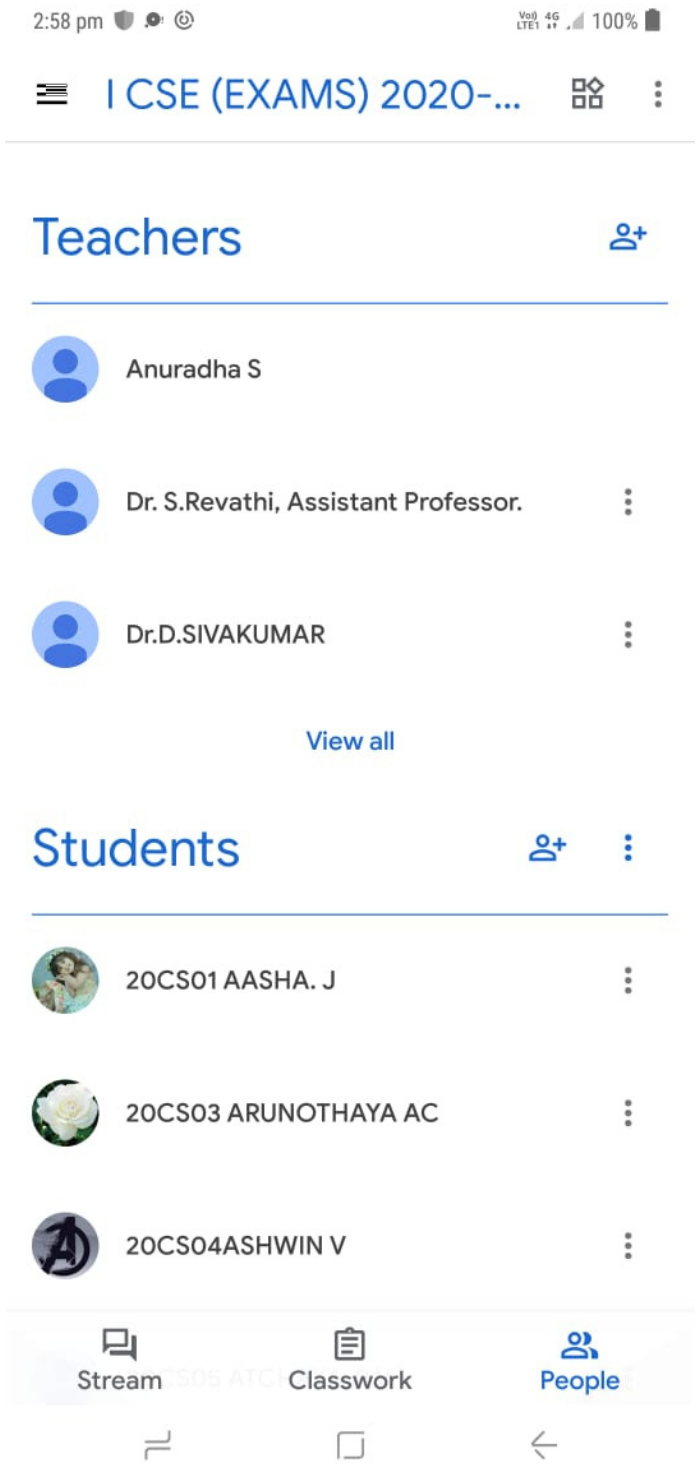

I Year Civil - Even Semester - Academic 20-21
PH8201
Stream
Classwork
People
Grades
CAT-II Question / Answer Submission /29.05.2...
CAT-II Question / Answer Submission /29.05...
Due May 29, 1:30 PM
Assignment II
Assignment II - PCE Activity
Due May 26
PH8201 - Unit III - Lighting Designs
PH8201 - Unit III - Lighting Designs
Posted May 12
CAT-I Question / Answer Submission
CAT - I - PCE-PH8201- 05.05.21 - Question /...
Due May 5, 11:30 AM
PCE-PH8201 Unit-III-Dr.G.Senthil Kumar
PCE-PH8201 Unit-III-Dr.G.Senthil Kumar
Edited May 2
PCE-PH8201 Unit-II-Dr.G.Senthil Kumar
PCE-PH8201 Unit-II-Dr.G.Senthil Kumar
Posted May 2

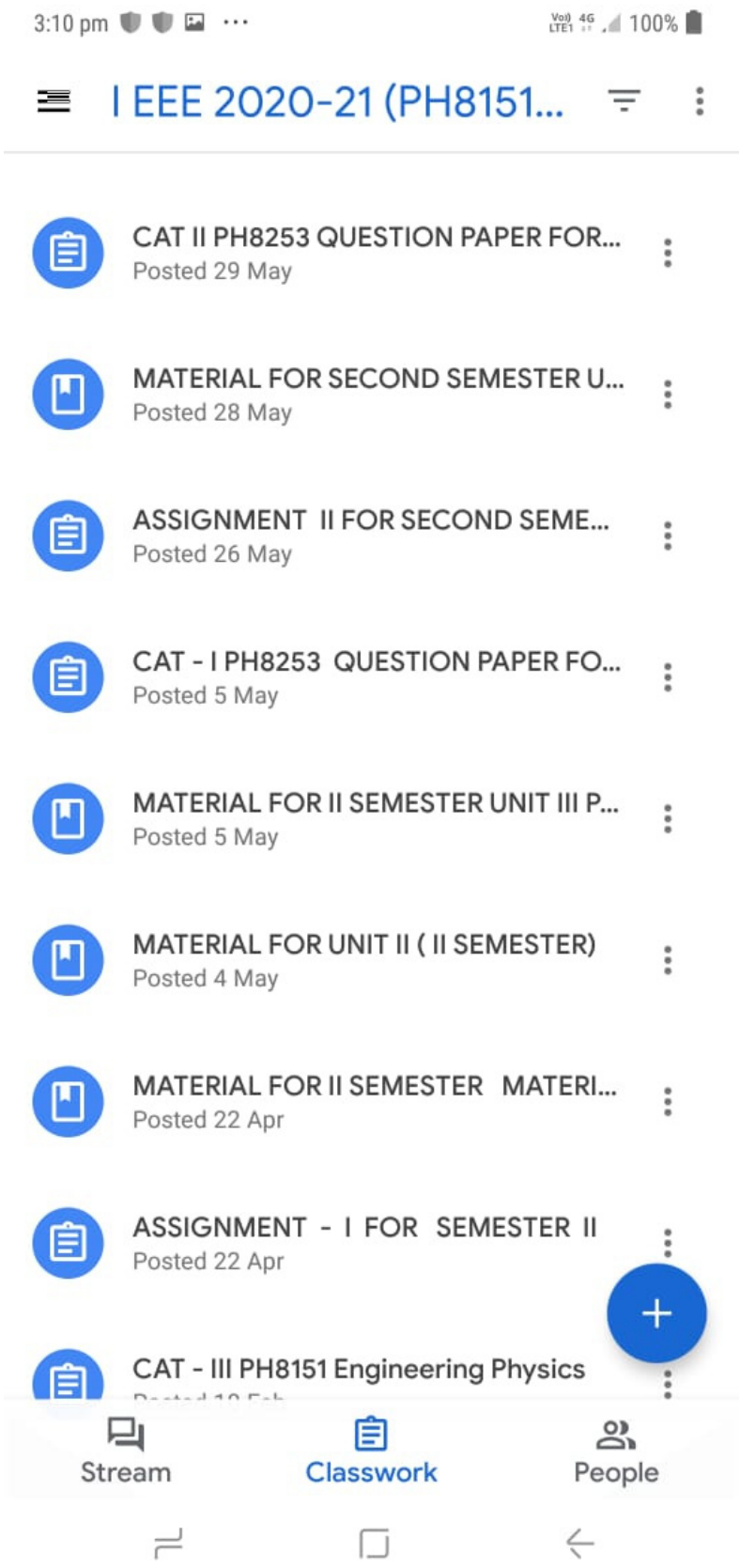
ACADEMIC YEAR: 2020-2021

BATCH: (2020-2024)

SUBJECT: ENGINEERING PHYSICS

STAFF NAME:Mr.S.ANURADHA




3:10 pm
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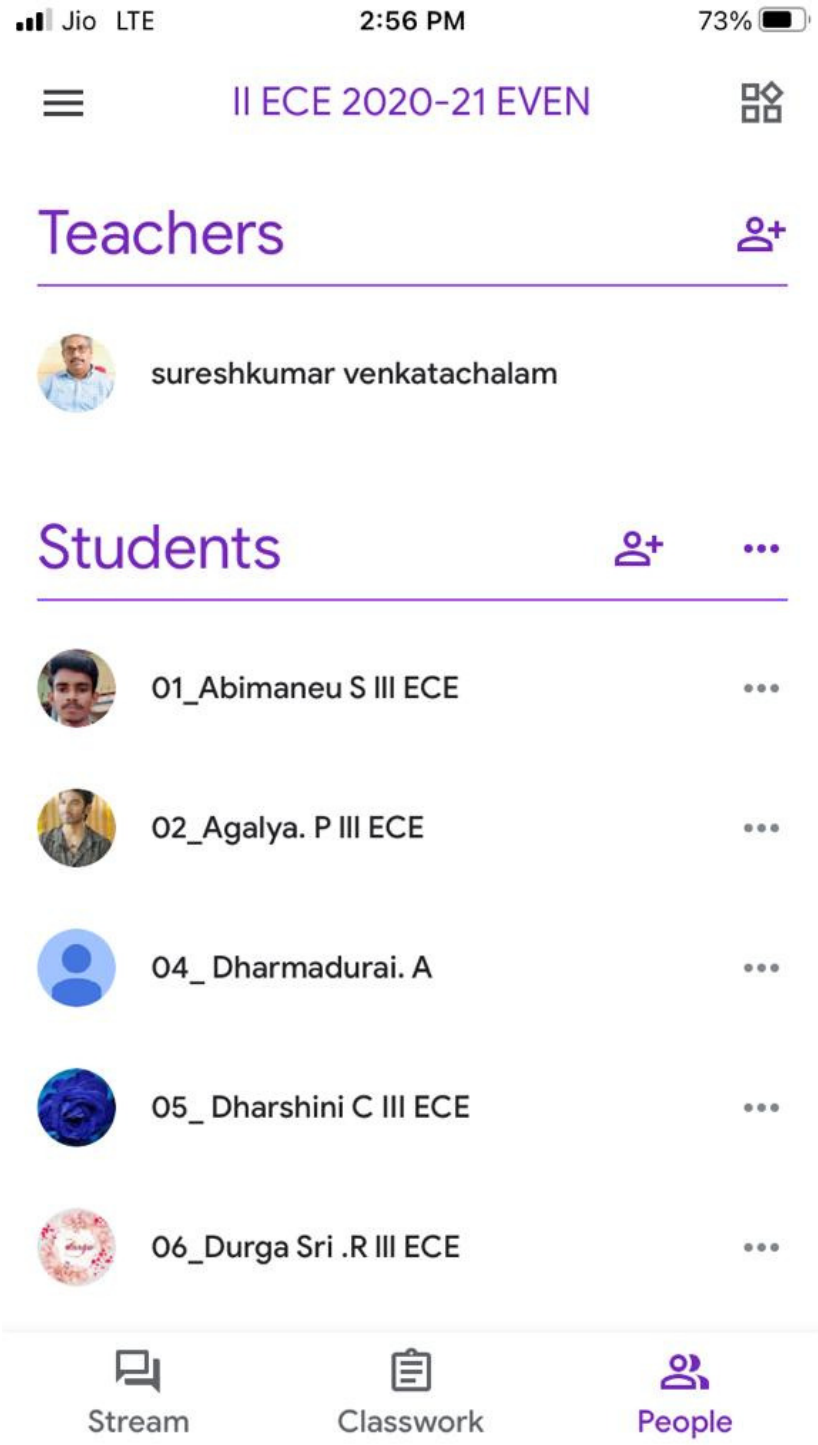
I EEE 2020-21 (PH8151...
CAT II PH8253 QUESTION PAPER FOR...
Posted 29 May
MATERIAL FOR SECOND SEMESTER U...
Posted 28 May
ASSIGNMENT II FOR SECOND SEME...
Posted 26 May
CAT - I PH8253 QUESTION PAPER FO...
Posted 5 May
MATERIAL FOR II SEMESTER UNIT III P...
Posted 5 May
MATERIAL FOR UNIT II (II SEMESTER)
Posted 4 May
MATERIAL FOR II SEMESTER MATERI...
Posted 22 Apr
ASSIGNMENT - I FOR SEMESTER II
Posted 22 Apr
CAT - III PH8151 Engineering Physics
Stream
Classwork
People

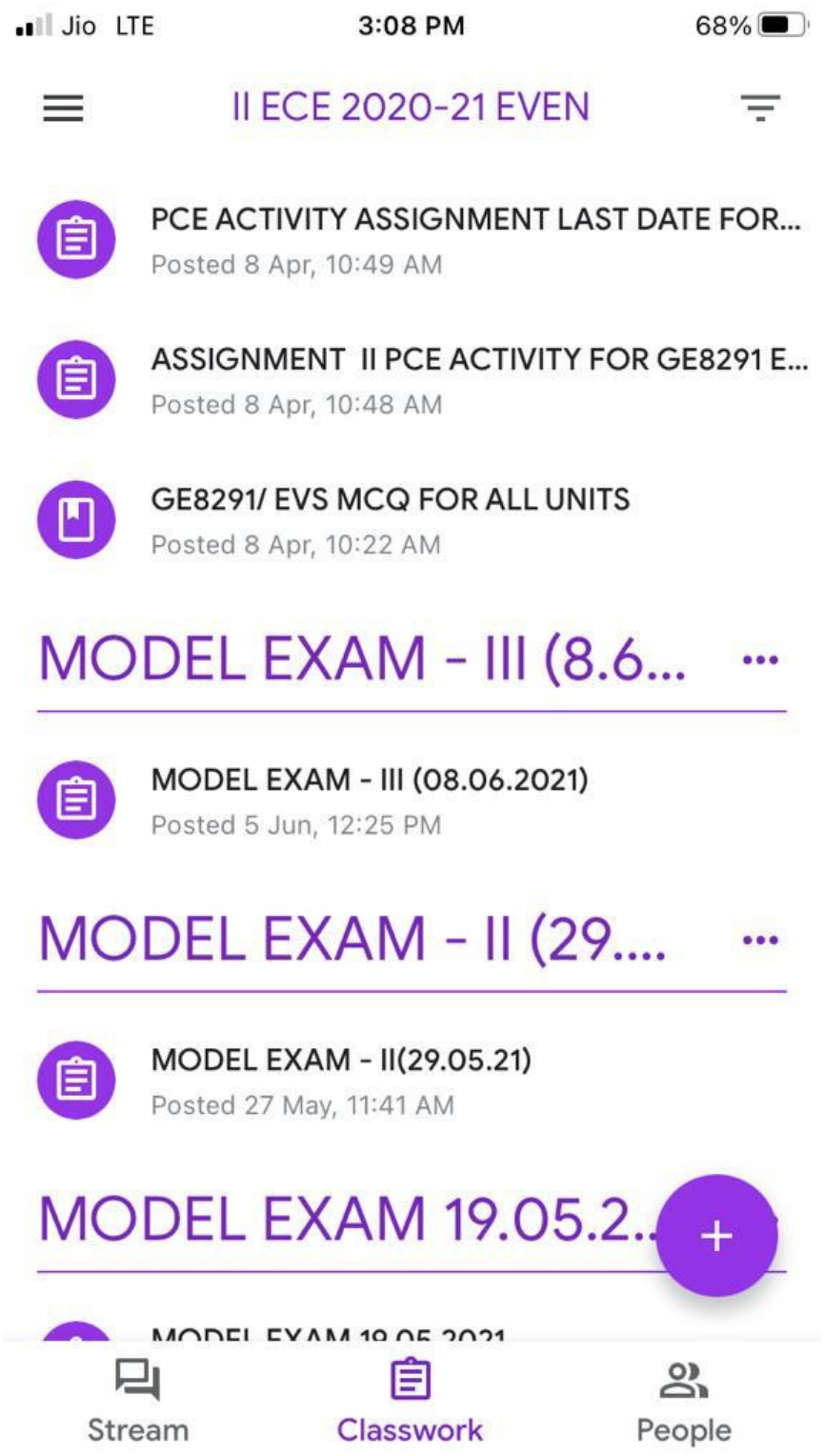
ACADEMIC YEAR: 2020-2021

BATCH: (2020-2024)

SUBJECT: ENGINEERING CHEMISTRY

STAFF NAME:Dr.V.SURESHKUMAR

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3:08 PM
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II ECE 2020-21 EVEN
PCE ACTIVITY ASSIGNMENT LAST DATE FOR...
Posted 8 Apr, 10:49 AM
ASSIGNMENT II PCE ACTIVITY FOR GE8291 E...
Posted 8 Apr, 10:48 AM
GE8291/ EVS MCQ FOR ALL UNITS
Posted 8 Apr, 10:22 AM
MODEL EXAM - III (8.6...
MODEL EXAM - III (08.06.2021)
Posted 5 Jun, 12:25 PM
MODEL EXAM - II (29....
MODEL EXAM - II(29.05.21)
Posted 27 May, 11:41 AM
MODEL EXAM 19.05.2..
Stream
Classwork
People