BVRIT HYDERABAD College of Engineering for Women
Department of Electrical and Electronics Engineering

Name of the Activity: Chart Preparation

Subject Name: Basic Electrical Engineering
Faculty Name: Ms.K.Bhavya
Topic: Series connection of elements
Date of Conduction: 12th October 2018
Class / Year / Semester: I CSE-B / 2018-19 / I Sem

Brief Write-up (Not exceeding 200 Words)

Students selected the topics on their own so that they can easily understand the concepts in pictorial representation like symbols for different elements, how the power is generated and transmitted to the loads and basic laws. Rather than orally explaining the concept they can easily remember through this activity and most of the students participated with different innovative ideas.

Photographs (if any)




Preparation / Prerequisites:
Announced the topic in the class on 10th October 2018. Students were asked to come prepared with proper material / information. Selection of Topics for the activities is decided before the commencement of the activity in the class. Basic information provided in the class.

Observations:

- Teams are formed on their own.
- Students feel it very fun and actively participated and made variety of charts.
- Students got more clarity about the kinds of elements and different way of connections.

BVRIT HYDERABAD
College of Engineering for Women
Department of Electrical and Electronics Engineering

Name of the Activity: Chart Preparation

Subject Name: Electrical & Electronics Instrumentation
Faculty Name: Dr. V. Rajeswari
Topic: Cathode Ray Oscilloscope
Date of Conduction: 13th February 2019
Class / Year / Semester: III EEE / 2018-19 / II Semester

Brief Write-up

Charts and diagrams are especially helpful, as they enable students to see ideas visually laid out in an organized way. Also, visual tools can help the students process content and to make connections more easily. Many students are visual learners, so they understand and retain information better when the concepts are associated with images. In this activity, the students were instructed to make chart on the title 'Cathode Ray Oscilloscope' under the subject 'Electrical & Electronics Instrumentation'. For this, students were grouped in to various teams and instructed them to prepare the charts for the respective subject area.

Photographs


Control Systems
Activity: Chart Preparation
Topic: Cathode Ray Oscilloscope **– Date: 13th February 2019**

No. of Teams: 11

Preparation / Prerequisites:
Announced the topic in the class on 8th February 2019. Students were asked to come prepared with proper material / information. Basic information provided in the class.

Rules Executed

- Formed the teams randomly and given 10 minutes time to discuss among team members.

- Do not repeat the text of your presentation word-for-word on the visual.
- Keep statements simple and to the point, using key words and phrases.
- Use only essential information which supports your statements; for example, do not project all the statistics you are using. Pick only the key ones.
- Experiment with a variety of layouts to determine the most effective ones.

BVRIT HYDERABAD
College of Engineering for Women
Department of Electrical and Electronics Engineering

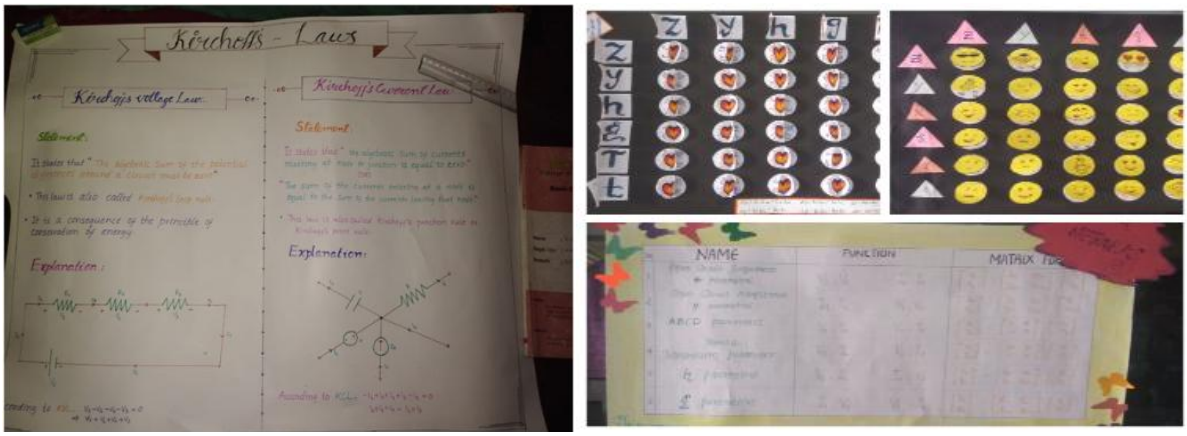
Name of the Activity: Chart Preparation

Subject Name: Basic Electrical Engineering
Faculty Name: R.Guruswamy
Topic: Basic Laws and Theorems
Date of Conduction: 2nd February 2019
Class / Year / Semester: I ECE A/ 2018-19 / I Semester

Brief Write-up

Charts and diagrams are especially helpful, as they enable students to see ideas visually laid out in an organized way. Also, visual tools can help the students process content and to make connections more easily. Many students are visual learners, so they understand and retain information better when the concepts are associated with images. In this activity, the students were instructed to make chart on the title 'Basic Laws and Theorems' under the subject 'Basic Electrical Engineering'. For this, students were grouped in to various teams and instructed them to prepare the charts for the respective subject area.

Photographs



<u>Activity: Chart Preparation</u>
<u>Topic:</u> Basic Electrical Circuits **<u>– Date: 2nd February 2019</u>**

No. of Teams: 10

Preparation / Prerequisites:
Announced the topic in the class on 20th January 2019. Students were asked to come prepared with proper material / information. Basic information provided in the class.

Rules Executed

- Formed the teams randomly and given 10 minutes time to discuss among team members.
- Do not repeat the text of your presentation word-for-word on the visual.

- Keep statements simple and to the point, using key words and phrases.
- Use only essential information which supports your statements; for example, do not project all the statistics you are using. Pick only the key ones.
- Experiment with a variety of layouts to determine the most effective ones.

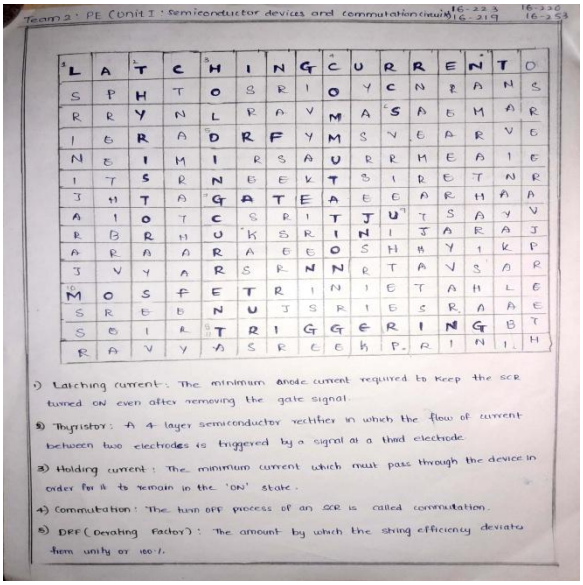
BVRIT HYDERABAD College of Engineering for Women
Department of Electrical and Electronics Engineering
Name of the Activity: Technical Cross Word Puzzle

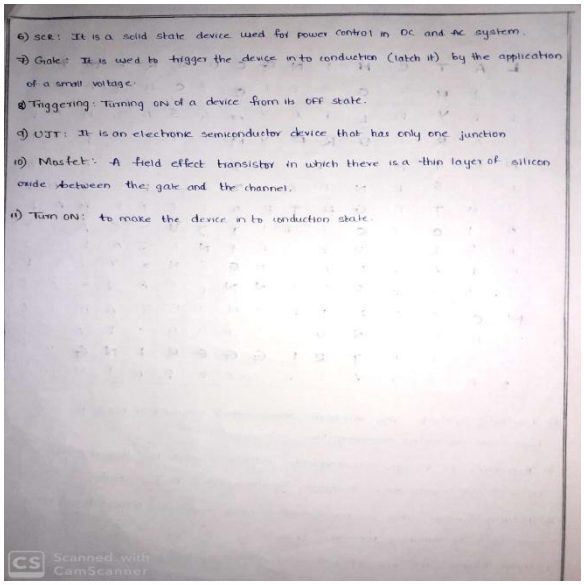
Subject Name: Power Electronics
Faculty Name: Ms. P. Subhahshitha
Topic: Semiconductor Devices and Commutation circuits
Date of Conduction: 13th April 2019
Class / Year / Semester: III EEE / 2018-19 / II Sem

Brief Write-up (Not exceeding 200 Words)

Cross word puzzles in general are a great help to improve one's vocabulary. But this idea is used to improve the student's caliber to relate various terms and their definitions. This need not be limited to definitions, but can be extended to applications as well. This activity will be of good help for the students to answer short answer and multiple choice questions with ease. Students who find it tough handling theory can manage well.

Photographs (if any)





Power Electronics
Activity: Technical Cross Word Puzzle
Topic:- Semiconductor Devices and Commutation circuits – **Date:** 13th April 2019
Team Size : 4 to 6

Preparation / Prerequisites:
Announced the activity in the class on 10th April 2019. Students were asked to come with any reliable material / information for the subject like text books or web resources.
Observations:

1. Teams chose their own topic.
2. Students found it fun and useful making the puzzle.

3. Students got a clear understanding on the definitions before including them in the puzzle.
4. The above point helped the students to discuss with their peers and teacher as well.

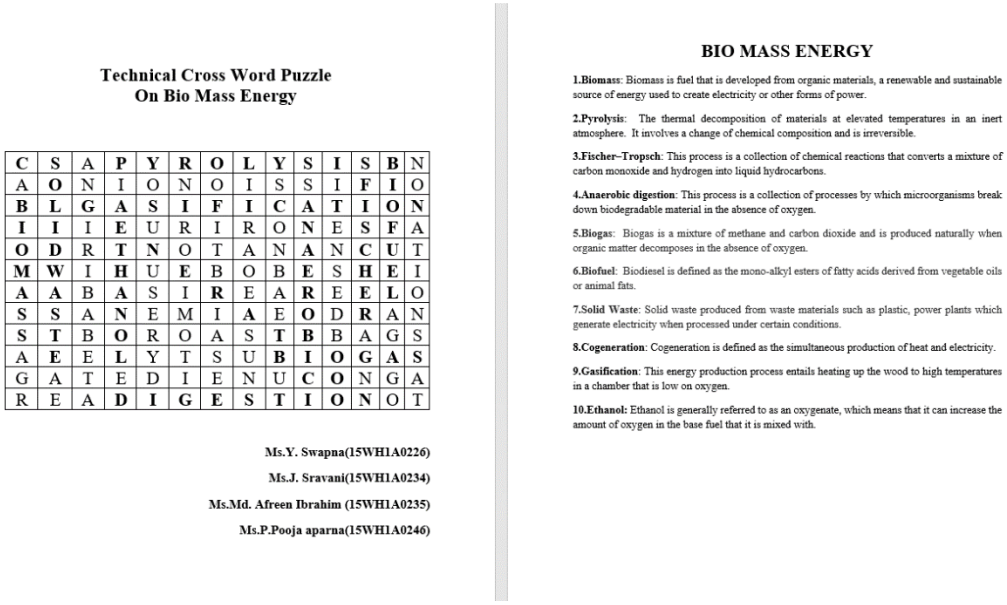
BVRIT HYDERABAD College of Engineering for Women
Department of Electrical and Electronics Engineering
Name of the Activity: Technical Cross Word Puzzle

Subject Name: Renewable Energy Sources
Faculty Name: Ms. B.Sujatha
Topic: Bio-mass Energy
Date of Conduction: 2nd April 2019
Class / Year / Semester: IV EEE / 2018-19 / II Sem

Brief Write-up (Not exceeding 200 Words)

Cross word puzzles in general are a great help to improve one's vocabulary. But this idea is used to improve the student's caliber to relate various terms and their definitions. This need not be limited to definitions, but can be extended to applications as well. This activity will be of good help for the students to answer short answer and multiple choice questions with ease.

Photographs (if any)



Technical Cross Word Puzzle
On Bio Mass Energy

C	S	A	P	Y	R	O	L	Y	S	I	S	B	N
A	O	N	I	O	N	O	I	S	S	I	F	I	O
B	L	G	A	S	I	F	I	C	A	T	I	O	N
I	I	I	E	U	R	I	R	O	N	E	S	F	A
O	D	R	T	N	O	T	A	N	A	N	C	U	T
M	W	I	H	U	E	B	O	B	E	S	H	E	I
A	A	B	A	S	I	R	E	A	R	E	E	L	O
S	S	A	N	E	M	I	A	E	O	D	R	A	N
S	T	B	O	R	O	A	S	T	B	B	A	G	S
A	E	E	L	Y	T	S	U	B	I	O	G	A	S
G	A	T	E	D	I	E	N	U	C	O	N	G	A
R	E	A	D	I	G	E	S	T	I	O	N	O	T

Ms.Y. Swapna(15WH1A0226)
Ms.J. Sravani(15WH1A0234)
Ms.Md. Afreen Ibrahim (15WH1A0235)
Ms.P.Pooja aparna(15WH1A0246)

BIO MASS ENERGY

1.Biomass: Biomass is fuel that is developed from organic materials, a renewable and sustainable source of energy used to create electricity or other forms of power.

2.Pyrolysis: The thermal decomposition of materials at elevated temperatures in an inert atmosphere. It involves a change of chemical composition and is irreversible.

3.Fischer–Tropsch: This process is a collection of chemical reactions that converts a mixture of carbon monoxide and hydrogen into liquid hydrocarbons.

4.Anaerobic digestion: This process is a collection of processes by which microorganisms break down biodegradable material in the absence of oxygen.

5.Biogas: Biogas is a mixture of methane and carbon dioxide and is produced naturally when organic matter decomposes in the absence of oxygen.

6.Biofuel: Biodiesel is defined as the mono-alkyl esters of fatty acids derived from vegetable oils or animal fats.

7.Solid Waste: Solid waste produced from waste materials such as plastic, power plants which generate electricity when processed under certain conditions.

8.Cogeneration: Cogeneration is defined as the simultaneous production of heat and electricity.

9.Gasification: This energy production process entails heating up the wood to high temperatures in a chamber that is low on oxygen.

10.Ethanol: Ethanol is generally referred to as an oxygenate, which means that it can increase the amount of oxygen in the base fuel that it is mixed with.

Renewable Energy Sources
Activity: Technical Cross Word Puzzle
Topic:- Bio Mass Energy – **Date:** 2nd April 2019
Team Size : 3 to 4

Preparation / Prerequisites:
Announced the activity in the class on 2nd April 2019. Students were asked to come with any reliable material / information for the subject like text books or web resources.
Observations:

1. Teams chose their own topic.
2. Students found it fun and useful making the puzzle.
3. Students got a clear understanding on the definitions before including them in the puzzle.
4. The above point helped the students to discuss with their peers and teacher as well.

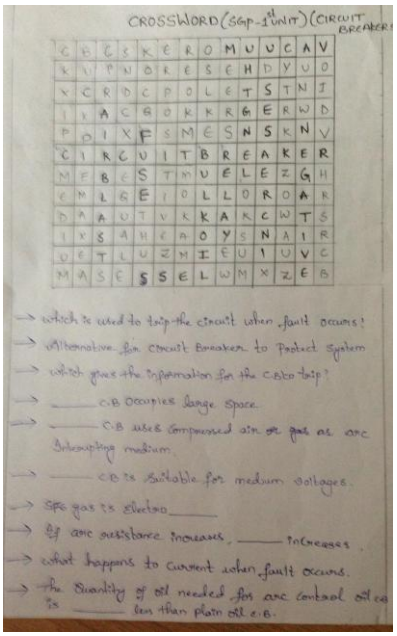
BVRIT HYDERABAD
College of Engineering for Women
Department of Electrical and Electronics Engineering
Name of the Activity: Technical Cross Word Puzzle

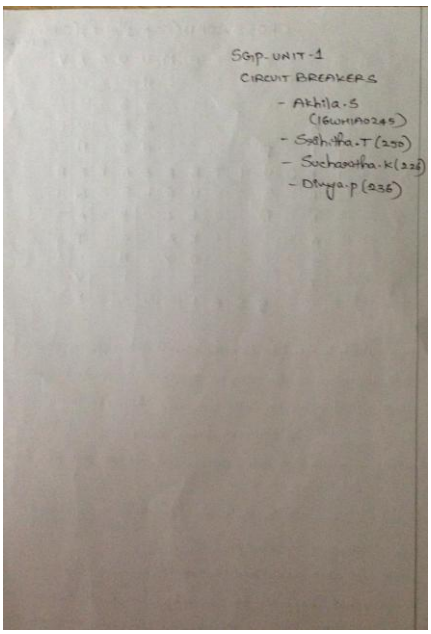
Subject Name: Switchgear & Protection
Faculty Name: Ms. K.Bhavya
Topic: Important Terms in Power System Protection
Date of Conduction: 13th April 2019
Class / Year / Semester: III EEE / 2018-19 / II Sem

Brief Write-up (Not exceeding 200 Words)

Cross word puzzles in general are a great help to improve one's vocabulary. But this idea is used to improve the student's caliber to relate various terms and their definitions. This need not be limited to definitions. This activity will be of good help for the students to answer short answer and multiple choice questions with ease. Students who find it tough handling theory can manage well.

Photographs (if any)





Switchgear & Protection
Activity: Technical Cross Word Puzzle
Topic:- Important Terms in Power System Protection – **Date:** 13th April 2019
Team Size : 4

Preparation / Prerequisites:
Announced the activity in the class on 8th April 2019. Students were asked to come with any reliable material / information for the subject like text books or web resources.
Observations:

1. Teams chose their own topic.

2. Students found it fun and useful making the puzzle.
3. Students got a clear understanding on the definitions before including them in the puzzle.
4. The above point helped the students to discuss with their peers and teacher as well.

BVRIT HYDERABAD
College of Engineering for Women
Department of Electrical and Electronics Engineering

Name of the Activity: Kahoot- Quiz

Subject Name: Electrical & Electronics Instrumentation
Faculty Name: Dr. V. Rajeswari
Topic: Transducers
Date of Conduction: 09th February 2019
Class / Year / Semester: III EEE / 2018-19 / II Semester

Brief Write-up

Kahoot is a tool for using technology to administer quizzes, discussions or surveys. It is a game based classroom response system played by the whole class in real time. Multiple-choice questions are projected on the screen. Students answer the questions with their smartphone, tablet or computer. It works best with short, quick response questions. It is a great tool for learning terminologies .Students would need to load Kahoot on their machines and use a different device to play the game. Through this game the students can be surveyed about the topic that are discussed in the topic of study .This game brings a lot of interaction to the classroom and the questions can be advanced by allowing the opportunity to build discussion time between questions. The students enjoy the competitive nature of the game and it helps them retain the concepts.

Electrical & Electronic Measurements	
Played on	9 Feb 2019
Hosted by	rajiviswanath28
Played with	25 players
Played	20 of 20 questions

Overall Performance	
Total correct answers (%)	85.84%
Total incorrect answers (%)	14.16%
Average score (points)	18886.92 points

Control Systems

Activity: Kahoot- Quiz

Topic: Transducers – Date: 09th February 2019

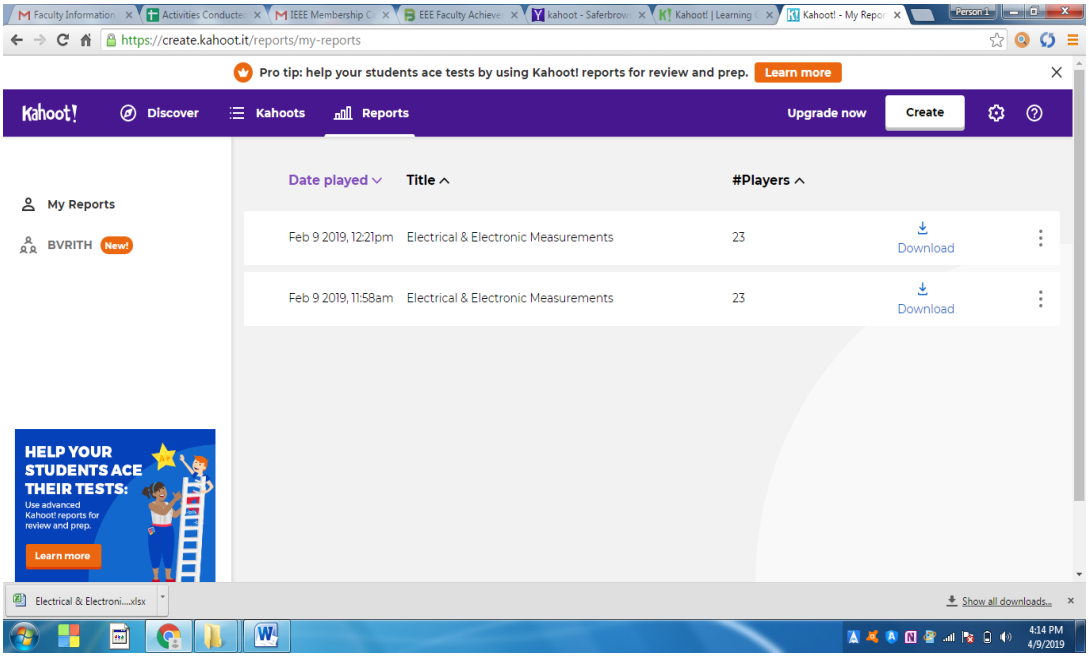
Preparation / Prerequisites:

Announced the topic in the class a week before the activity. Students were asked to come prepared with the topic of study.

Rules Executed

- Formed the teams randomly and given 10 minutes time to discuss among team members.
- Students were asked to enter the game pin on their device and create a username that will display as the game progresses.

.



BVRIT HYDERABAD
College of Engineering for Women
Department of Electrical and Electronics Engineering

Name of the Activity: Kahoot- Quiz

Subject Name: Electrical and Electronics Instrumentation.
Faculty Name: Babita Gupta
Topic: Transducers
Date of Conduction: 09th February 2019
Class / Year / Semester: II EEE / 2018-19 / II Semester

Brief Write-up

Kahoot is a tool for using technology to administer quizzes, discussions or surveys. It is a game based classroom response system played by the whole class in real time. Multiple-choice questions are projected on the screen. Students answer the questions with their smartphone, tablet or computer. It works best with short, quick response questions. It is a great tool for learning terminologies .Students would need to load Kahoot on their machines and use a different device to play the game. Through this game the students can be surveyed about the topic that are discussed in the topic of study .This game brings a lot of interaction to the classroom and the questions can be advanced by allowing the opportunity to build discussion time between questions. The students enjoy the competitive nature of the game and it helps them retain the concepts.

Electrical & Electronic Measurements	
Played on	9 Feb 2019
Hosted by	rajiviswanath28
Played with	25 players
Played	20 of 20 questions

Overall Performance	
Total correct answers (%)	85.84%
Total incorrect answers (%)	14.16%
Average score (points)	18886.92 points

BVRIT HYDERABAD
College of Engineering for Women
Department of Electrical and Electronics Engineering

Name of the Activity: Kahoot- Quiz

Subject Name: Electrical Machines-II
Faculty Name: Babita Gupta
Topic: Transducers
Date of Conduction: 09th February 2019
Class / Year / Semester: II EEE / 2018-19 / II Semester

Brief Write-up

Kahoot is a tool for using technology to administer quizzes, discussions or surveys. It is a game based classroom response system played by the whole class in real time. Multiple-choice questions are projected on the screen. Students answer the questions with their smartphone, tablet or computer. It works best with short, quick response questions. It is a great tool for learning terminologies .Students would need to load Kahoot on their machines and use a different device to play the game. Through this game the students can be surveyed about the topic that are discussed in the topic of study .This game brings a lot of interaction to the classroom and the questions can be advanced by allowing the opportunity to build discussion time between questions. The students enjoy the competitive nature of the game and it helps them retain the concepts.

Electrical & Electronic Measurements	
Played on	9 Feb 2019
Hosted by	rajiviswanath28
Played with	25 players
Played	20 of 20 questions

Overall Performance	
Total correct answers (%)	85.84%
Total incorrect answers (%)	14.16%
Average score (points)	18886.92 points

Control Systems

Activity: Kahoot- Quiz

Topic: Transducers – Date: 09th February 2019

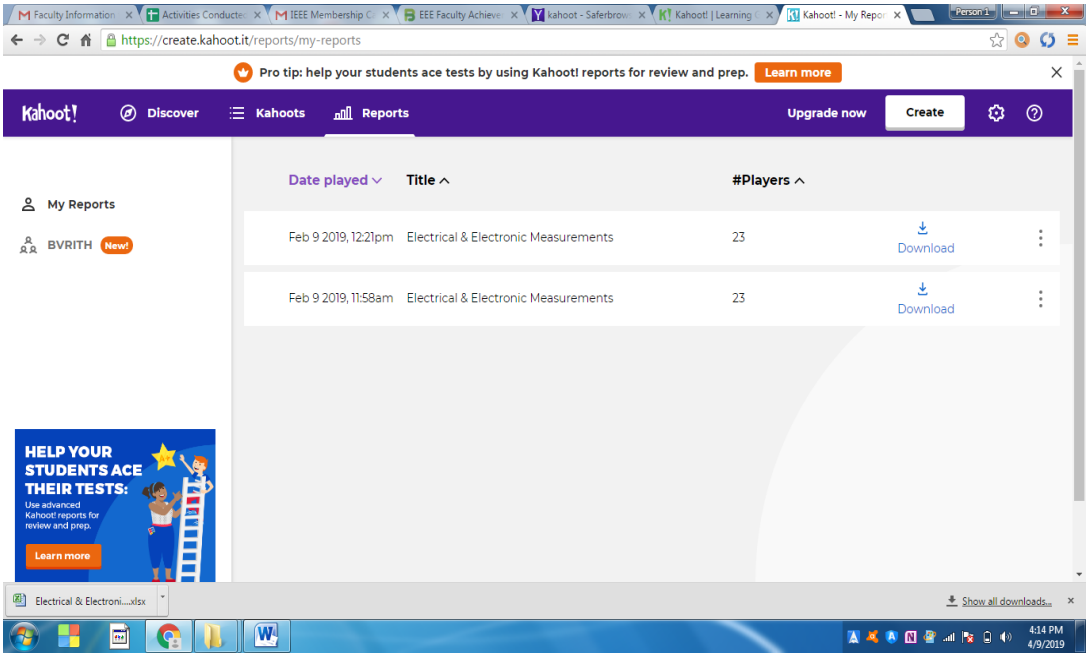
Preparation / Prerequisites:

Announced the topic in the class a week before the activity. Students were asked to come prepared with the topic of study.

Rules Executed

- Formed the teams randomly and given 10 minutes time to discuss among team members.
- Students were asked to enter the game pin on their device and create a username that will display as the game progresses.

.



BVRIT HYDERABAD
College of Engineering for Women
Department of Electrical and Electronics Engineering

Name of the Activity: Model based Learning

Subject Name: Basic Electrical Engineering
Faculty Name: R.Guruswamy
Topic: Electric Circuits and Machines
Date of Conduction: 13th April 2019
Class / Year / Semester: I ECE A/ 2018-19 / I Semester

Brief Write-up

Model based learning are very supportive as they empower students to realize ideas visually laid out in a purposeful way. Also, the components help the students process content they studied and to make few models more easily. Many students are practical learners, so they understand and retain information better when the concepts are associated with live working projects. In this activity, the students were instructed to make a model on the title 'Electric Circuits and Machines' under the subject 'Basic Electrical Engineering'. For this, students were grouped in to various teams and instructed them to make projects for the title chosen.

Photographs

Activity: Model based learning

Topic: Basic Electrical Circuits **– Date: 13th April 2019**

No. of Teams: 14

Preparation / Prerequisites:

Students are given freedom to choose the topic of the model they have to prepare. It was announced on 2nd April 2019. Teams were formed on the project title proposed. Students themselves came with project title. They were asked to come prepared with proper material / information to complete the model. Basic information provided in the class.

Rules Executed

- Formed the teams as per the students' interest.
- No model should be repeated.
- Preference would be given to projects which are simple and application oriented.
- Innovativeness is welcomed in the model.
- Best model from waste material is given preference.