

Department of Engineering Science

Innovative Teaching Method - Report

Academic Year –2020-21	Class – FE (Div B)
Semester–II	Date:30/7/2021
CO:CO1,CO2,CO3,CO4,CO5,CO6	PO: PO9, PO10 & PO12

Title of Innovation method/activity: Screen-cast by using Google Classroom

1. Name of Faculty: Mr. Y. S. Bhavsar

2. Subject : Basic Electrical Engineering

3. Objective of Method

- a. It helps students to clear the concept.
- b. It helps to improve communication skills, self learning & confidence.
- c. To improve the team work.

4. Topic Covered through Activity

Topic related to Basic Electrical Engineering subject.

5. Description of method with Benefit

Description of method

In this method students are asked to make video on given topic and upload it on YouTube channel.

Benefits of method

- It helps students to improve subject knowledge.

- It helps students to improve communication skills , self-learning and confidence.
- It helps students to understand the concepts and revised the topic.

5. Roles and Responsibilities

- **Teacher**
 - Encourage students to prepare video on given topic and upload it on Google Classroom.
 - Provide the study material on Topic .
 - Remain available during the completion of task.
 - Prepare assessment methodology.
- **Student**
 - Go through the concept of the topic.
 - Once topic assigned, understand and discuss individually within the group.
 - Actively participate in group and contribute by means of discussion.
- **Group**
 - Form the group of members as per the guidelines by teachers.
 - Understand and discuss to finalize the best solution for the assigned task.
 - Assign the work within the group to achieve the task within stipulated time period.

6. Assessment Tools: Maximum Marks 20

Content	4-6	1-3	0
	Excellent	Good	Not acceptable
	The content are appropriate with no smudges	The content are acceptable with little smudges	The content are not appropriate
Presentation	4-6	1-3	0
	Excellent	Good	Not acceptable

	The presentation is very well organized and expressive.	The presentation is well organized with little expressive.	The presentation does not seem to be acceptable
Content delivery	4-6	1-3	0
	Excellent	Good	Not acceptable
	The content is very well explained and clarity in speech	The content is well explained with little hesitation	The content delivery is not proper and acceptable
Timeliness	1-2	0	
	Up to due date	After due date	
	Video submitted up to due date	Video submitted after due date	

7. Evaluation sheet of attendee:

A - Content (6)

B - Presentation (6)

C - Content delivery (6)

D - Timeliness (2)

Name of Students	A	B	C	D	Total (20)
KALASKAR ADITYA GOVINDA	6	6	5	2	19
KANKARIYA SHRUSHTI KALPESH	5	6	6	2	19
KAREGAONKAR MANISH SUNIL	5	5	6	2	18
KEDAR SIDDHESH VISHWANATH	5	6	6	0	17
KESKAR OM MANDAR	6	6	5	0	17
KHAIRNAR PREMROOP UDAYKUMAR	6	6	6	0	18
KHAIRNAR SAMRUDDHI MAHESH	6	6	6	2	20
KHEMNAR SIDDHI PRAKASH	6	6	5	2	19

KOKANI DEEPAK UTTAMRAO	6	6	5	2	19
KUSHARE CHAITALI GANESH	5	5	5	0	15
MAHAJAN SAGAR RAJARAM	6	5	6	2	19
MORE PRATIK UMESH	5	5	4	2	16
NAIK TUSHAR VINOD	5	6	5	2	18
NARNAWARE KUNIKA RATNAKAR	4	5	4	0	13
NEMADE RIYA PRAVIN	6	5	6	2	19
PATIL KASTURI KIRAN	5	6	5	2	18
PATIL SUYOG DAGADU	4	4	4	2	14
PATIL UMESH RANDHIR	5	6	5	2	18
JADHAV YOGINI DHANRAJ	6	6	5	2	19
JAGTAP TANISHKA DEVENDRA	6	6	5	2	19
KAKAD ATHARVA MANIK	4	4	5	0	13
KALOGES ASHUTOSH ANIL	6	6	6	0	18
KAPADNIS APURVA ANANT	6	5	5	0	14
KOTHIYA JAYKUMAR JAGDISH	6	6	5	0	17
MAURYA KAJAL KARAMCHAND	6	5	6	2	19
DAVKAR SAMRUDDHI SHASHANK	6	6	5	2	19
DHAWALE ONKAR SARJERAO	6	6	6	2	20
GUNDECHA PRAPTI SUNIL	6	5	6	2	19
PATIL MAYURESH SOMNATH	5	5	6	2	18
PATEL KUSH BHIKESHBHAI	5	6	5	2	18

8. Impact Analysis

Sr. No.	3-High/Excellent	2-Moderate /Average	1-Slight/Poor
1. Did you understand and cover the objective of the activity?	92.31%	7.69%	-
2. Do you find that methodology is helpful to cover the content from the syllabus?	96.16%	3.84%	-
3. Does this help you increase your knowledge of the topic?	84.62%	15.38%	-
4. Did you want us to conduct such activity again ?	84.62%	15.38%	-
5. Do you feel PO9 is achieved?	88.47%	11.53%	-
6. Do you feel PO10 is achieved?	88.47%	11.53%	-
7. Do you feel PO12 is achieved?	84.62%	15.38%	-

9. Activity Video Links:

<https://drive.google.com/file/d/1TpB3MijldsgfPa5BvNwkRxS8rKWwaNSJ/view?usp=sharing> (Rectangular and polar representation of phasor)

https://drive.google.com/file/d/1XASurEZ3Vffa76AE1UN3ICX5bnolKh_c/view?usp=sharing (Resonance in series RLC circuits)

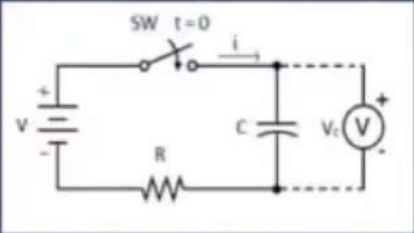
<https://drive.google.com/file/d/1p4ZZjGpVKpO3ceZCYwWnStgj2z3-dNDi/view?usp=sharing> (Working of transformer)

<https://drive.google.com/file/d/1xCvHPPf3a0km2uLXkpVq-XEQqmAj7RjN/view?usp=sharing> (Maintenance of batteries)

10. Activity Video Screenshots:

Charging Of Capacitor

- In the charging circuit resistor R and capacitor C are connected in series with switch SW for ON/OFF across source V .
- When switch is closed charging current is given by, $i = \frac{V - V_c}{R}$
- At $t=0$, $V_c=0$ then charging current I is,
$$= I_0 = \frac{V}{R}$$
- Time constant
$$\tau = RC \text{ seconds}$$



Personal Protective Equipments

Activate Windows
Go to Settings to

<https://classroom.google.com/c/MzQzMTkzNTIzNjYz/a/MzcyOTUwNDYyOTUy/submissions/by-status/and-sort-first-name/returned>

BEE - FE (B) 2020-21 sem II

Instructions Student work

Return 20 points

<input type="checkbox"/>	04_SIDDHESH KEDAR	17 Done late				
<input type="checkbox"/>	05_Om Keskar	17 Done late	B_03_Manish karegao... Graded	4_Siddhesh kedar BEE... Graded	BEE Screencast.mp4 Graded	BEE wmv Graded
<input type="checkbox"/>	11 Samruddhidavkar	19				
<input type="checkbox"/>	14_PRAPTI GUNDECHA	19	14_Chaitali Kushare VID-20210726-WA000... Graded	14_PRAPTI GUNDECHA 2021-07-19-19-26-14... Graded	16_PRAKTIK MORE VN20210720_201753... Graded	17_Tushar Naik_B Record_2021-07-19-1... Graded
<input type="checkbox"/>	14_Chaitali Kushare "resubmit sir"	15 Done late				
<input type="checkbox"/>	16_PRAKTIK MORE	16	28_Yogini Jadhav	29_Jagtap	32_KALOGE	33_APURVA
<input type="checkbox"/>	17_Tushar Naik_B	18				

11. For review and critique contact: e-mail address of faculty and HOD

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