



EXCELSSIOR EDUCATION SOCIETY'S
K. C. COLLEGE OF ENGINEERING & MANAGEMENT'S
RESEARCH
MITH BUNDER ROAD, KOPRI, THANE (E)



DEPARTMENT OF HUMANITIES & APPLIED SCIENCES

Innovative Practices 2021

Class: FE A,B,C,D

Semester: 1

Subject: Professional Communication and Ethics-1 (FEC206)

Activity Report:

Flip Classroom :

1. Story Telling (content beyond syllabus)

2. Barriers in Communication

Story Telling

<https://www.youtube.com/watch?v=iV0M5l5KhE&t=119s> The Seven Keys to Good Story Telling by Joseph Campbell TEDx. They also heard a story written by Ruskin Bond The Night Train at Deoli <https://www.youtube.com/watch?v=7ncSPZbOswE> This video was shown to students and generated a group discussion on the same. The students learned what is important in story telling. They learned various steps in reciting a good story. Further, they were made to recite stories in the classroom. Each student delivered a two-minute story which they all enjoyed and appreciated.

Outcome: They learned the art of story telling and incorporated it in their speeches which was a part of their syllabus.

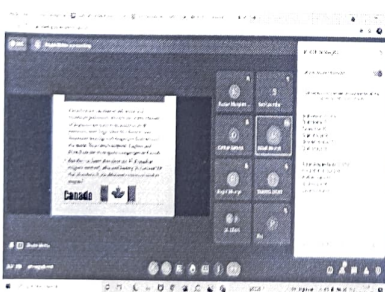
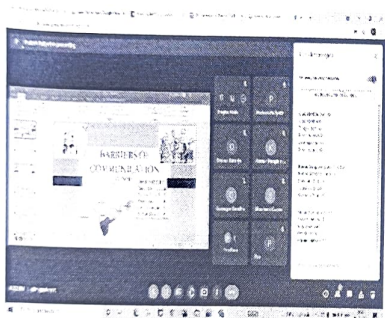
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Dept. of Humanities & Applied Sciences
K.C. College of Engineering &
Management Studies & Research.



Flip Classroom : Activity 2

The Students of FE were given a topic Barriers in communication from their syllabus . They were provided with a lecture and were asked to find out various barriers in different countries through presentations. It was a great learning for the students as they were introduced to different countries.

Outcome: Students could relate to different barriers from different countries. This brought them more close to the topic. Moreover, they were actively involved.



Cover

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Excelssior Education Society's
**K.C. COLLEGE OF ENGINEERING AND MANAGEMENT
STUDIES AND RESEARCH**

(Affiliated to the University of Mumbai)

Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E) 400603

Department of Humanities and Applied Sciences

Innovative Practices 2021

Class: FE A,B,C,D

Semester: 1

Subject: Professional Communication and Ethics-1 (...) *FEC206*

Activity Report:

Flip Classroom :

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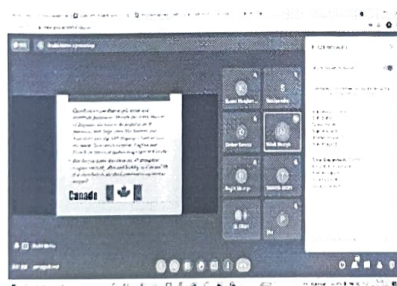
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INNOVATIVE PRACTICE OF LEARNING IN ENGINEERING CHEMISTRY –II

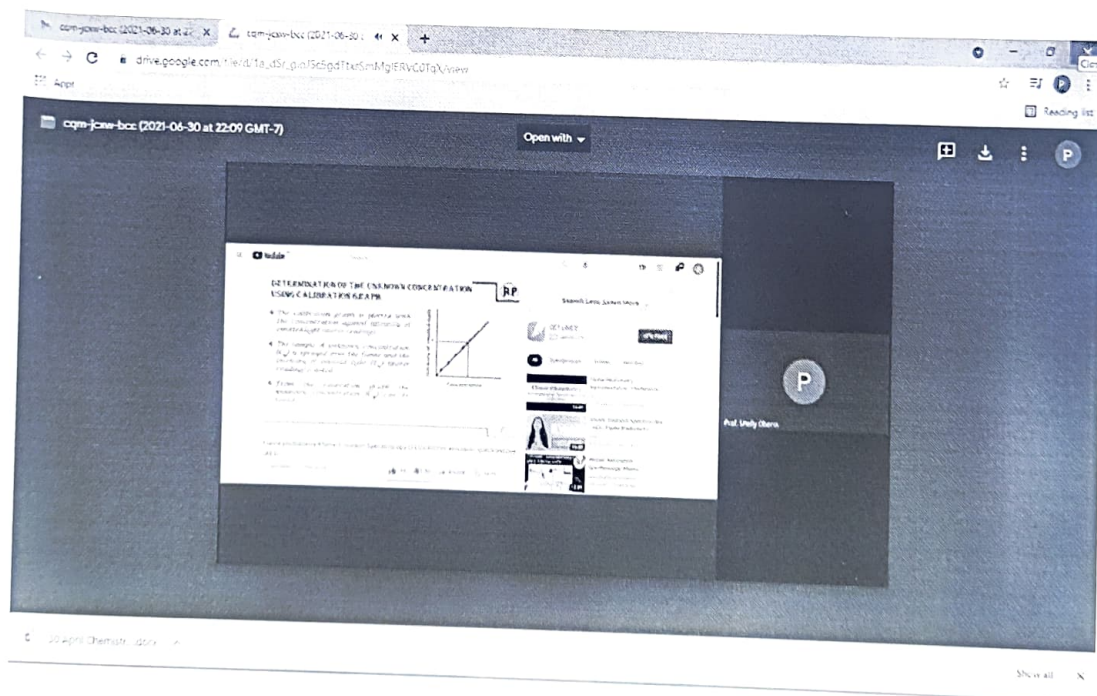
FLIPPED CLASSROOM

You tube videos were shared on EMISSION SPECTROSCOPY on 29 June and discussion was carried out on next day.

https://drive.google.com/file/d/1a_dSr_gioJSc5gdTtxsSmMglERVCoTqX/view?usp=sharing

Date of conduction- 30 June, 2021

No of students-37 students were present



[Handwritten Signature]
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Department of Humanities and Applied Sciences

Innovation in Teaching Learning

A. Y. 2020-2021

Class: FE

Semester: II

Subject: Engineering Mathematics II

Activity: i) Flipped Classroom


ii) Mind Mind Mapping

i) Flipped Classroom Activity Report:

The students of first year were given a topic "Linear Differential Equation with Constant Coefficients" for flipped classroom activity. They have been provided study material on the topic and encouraged to participate in solving examples on the topic. Some students had explained examples through presentation.

Outcome:

Students were actively involved in knowledge acquisition as they actively participated in learning process. It also increased student engagement as they had read the material on the previous day .


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meet.google.com/... Prathmesh Agheo is presenting

AUXILIARY EQUATION WITH IMAGINARY ROOTS

If an equation has one root $a+bi$ then we know that $a-bi$ is also a root of the equation.

$$y = C_1 e^{(a+bi)x} + C_2 e^{(a-bi)x}$$

But this exponential form can be put in compact form as follows

$$y = C_1 e^{ax} e^{bix} + C_2 e^{ax} e^{-bix} = e^{ax} (C_1 e^{bix} + C_2 e^{-bix})$$

$$= e^{ax} [C_1 (\cos bx + i \sin bx) + C_2 (\cos bx - i \sin bx)]$$

$$= e^{ax} [(C_1 + C_2) \cos bx + i(C_1 - C_2) \sin bx]$$

$$y = e^{ax} (A \cos bx + B \sin bx)$$

Participants: Sakshi Hole, Aditya Chalap, Kumar Mang..., Prathmesh A., Sushil Bhosle, Kartik Bende, Shashank Od..., Ashutosh Bh...

ii) Mind Mapping Activity:

The students of first year were given a topic "Differential Equations of First Order and First Degree" for Mind Mapping Activity. They had created and shared visual representation of the given topic.

Outcome:

The students can get information of the topic into one space using the visual platform that is beneficial for students. Students can better comprehend the topics at hand as a result of mind mapping's visual nature.

MIND MAP DIV-A BATCH A1

Differential Equations of First Order and First Degree

Aayush Chandorkar	A2001
Aman Bharti	A2004
Atharva Salvi	A2008
Hitesh Behera	A2016
Kaustubh Ardekar	A2006
Kartik Bende	A2017
Swathi Bandi	A2014
Savani Balkawade	A2013