



EXCELSSIOR EDUCATION SOCIETY'S
K.C. College of Engineering & Management Studies & Research
MithBunder Road, Kopri, Thane (E)

Department of Humanities and Applied Sciences

A.Y.2018-19

Table of Content

Sr.No.	Semester	Subject	Name of the ICT/Innovative Tool
1.	II	Applied Chemistry II	Synthesis of Eco-friendly Gulal/Green Chemistry
			Use of online network for the topics applicable.(ICT Mode)
2.		Structured Programming Approach	Kahoot! (Quiz)
3.		Applied Mathematics II	Kahoot! (Survey)
4.		Applied Physics II	SCILAB open source software in Applied Physics
5.	I	Applied Mathematics I	Online Quiz
6.		Applied Physics I	Think Pair Share
7.		Applied Chemistry I	Flip Class Room
8.		Basic Electrical Engineering	Online Quiz
9.		Environmental Studies	Field Trip

1
2
3
4
7
5
6



EXCELSSIOR EDUCATION SOCIETY'S
K.C. College of Engineering & Management Studies & Research
MithBunder Road, Kopri, Thane (E)
Department of Humanities and Applied Sciences

A.Y.2018-19

CLASS: F.E. A,B

SEMESTER: II

SUBJECT: APPLIED CHEMISTRY-II (FEC203)

ACTIVITY: Synthesis of Eco-friendly Gulal / Green Chemistry

ACTIVITY REPORT:

Holi is festival of colours and celebration of this with natural colourants and dyes was an age old tradition. It was forgotten after the discovery of synthetic colourants and dyes in middle of 19th century. Now- a-days, an age old art of dyeing with natural colourants is gaining momentum because of carcinogenic effects of synthetic dyes. These synthetic dyes and colourants are being used in textile and food industry. Government of Germany was the first to take initiative to put up ban on these harmful carcinogenic synthetic dyes. A large amount of dry Holi gulal used in market are carcinogenic in nature. Several synthetic dyes like AURAMINE (YELLOW COLOUR), MALACHITE GREEN (GREEN COLOUR), RODAMINE B (RED COLOUR), METHYL VIOLET (VIOLET COLOUR) have been used for the preparation of dry Holi gulal. To educate and revive the old ways, herbal gulal was prepared in the chemistry lab of Humanities and Applied Sciences department. First year students had prepared yellow gulal from flowers of Butea monosperma (dye-Butin common name of flower is tesu flower), red gulal from beet root (pigment-betalain), green gulal from spinach leaves (chlorophyll). Students extracted these organic colourants by cold extraction methods. These natural colourants are mixed with natural ingredients to make safe and ecofriendly vibrant herbal gulals.



OUTCOME:

Student learned Eco friendly synthesis of gulal.

Amr



EXCELSSIOR EDUCATION SOCIETY'S
K.C. College of Engineering and Management Studies & Research
(Affiliated to University of Mumbai)

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

A.Y.(2018-19)

Department of Humanities and Applied Sciences

CLASS: First Year of Engineering, Div.-C & D SEMESTER: II

SUBJECT: APPLIED CHEMISTRY-II (FEC203)

FACULTY: Mr. Ajay Mishra

ACTIVITY: Use of online network for the topics applicable. (ICT-mode)

ACTIVITY REPORT:

By use of online animated videos and images available particularly on you tube and Google image many of the topics which can be fascinated by working models collaborated with the regular lecture made the students understand the topic clearly and practically. This type of activity found more helpful for the topics like alloy and powder metallurgy, composite material. Example – for use of German silver I asked the students to refer the Google image, students find many products which is prepared from German silver which is not given in reference book. Similar case is done for understanding of topics like powder metallurgy; students can directly see how it is functioned in industry .Here I like to comment it is much more different experience than using projectors because students are involved in regular discussion.

OUT COME:

This type of method makes:

1. The students alive.
2. Students take part in the lecture and discussion.
3. Lectures become more Fascinating and practical.
4. Concepts become more clear.
5. Topics become interesting .

Ajay



EXCELSSIOR EDUCATION SOCIETY'S
K.C. College of Engineering and Management Studies & Research

(Affiliated to University of Mumbai)

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

A.Y.(2018-19)

Department of Humanities and Applied Sciences

CLASS: First Year of Engineering, Div.-C,D SEMESTER: II

SUBJECT: Structured Programming Approach (FEC205)

FACULTY: Ms. Sana Haji

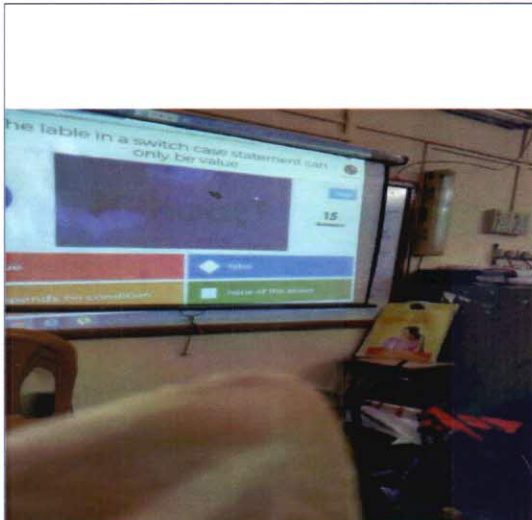
ACTIVITY: ONLINE QUIZ through "KAHOOT"

ACTIVITY REPORT:

To make students aware about basic concepts of Structured Programming Approach

OUT COME:

The students got the experience of different Technical aspects of applying the basic concepts on practical programs.



Sana Haji

