

ELC Activity - Chemical Engineering

(2018 - 19)

The following activities are conducted on 26-03-2019.

1. **Extraction of edible oil from peanut seeds.**
2. **Hydro-distillation of rose pellets to obtain essential oil (Flavour and Fragrances).**

Schedule of the planned activity

Date	Event	Group	Timing	Venue
26-03-2019	Extraction of edible oil from peanut seeds	BE (Chemical Engineering) 4 th Semester	9:00 am to 1:00 pm	Energy and FPM Lab
26-03-2019	Hydro-distillation of rose pellets to obtain essential oil (Flavour and Fragrances)	BE (Chemical Engineering) 4 th Semester	2:00 pm to 5:00 pm	

Objectives:

1. To expose the students to the essential oil/ edible oil extraction process and make them to understand the underlying principle and concepts.
2. To impart the basic concepts of distillation, condensation, boiling etc. to the students.
3. To show the importance of boiling, the temperature of the inlet feed, extraction of products, type of feed, etc. to the students.
4. To induce self-learning in the students and the exposure of the engineering process.

Outcomes:

The activity is planned to imbibe the following attributes in the participants:

1. The student will understand the underlying principle, concepts and mechanism of extraction, distillation, boiling through lab-scale experiments.
2. The student will get the exposure of various assembly, joints, heat transfer operations and culture of engineering attitude.
3. The students will improve their enhanced imagination, self-confidence and ability to undertake an engineering process.

The snapshots are as follows:



