

# Online ChemCollective Virtual Lab Workshops

Registration starts on



14 November 2020

FOSSEE, IIT Bombay is arranging online workshops to enhance your profile and skills in this lockdown situation. Now anyone can learn education software at the comfort of their home through these workshops. There will be two levels of these workshops:

## ADVANCED

ChemCollective Virtual Lab Workshop



05 December 2020

## BEGINNER

ChemCollective Virtual Lab Workshop



12 December 2020

The ChemCollective Virtual Lab is a simulation of a chemistry lab. It is designed to help students perform laboratory chemistry experiments. The lab allows students to select from hundreds of standard reagents (aqueous) and manipulate them in a manner resembling a real lab. The ChemCollective virtual lab software works on Windows, Mac, and Linux machines and is available free of charge to all educators and students.

## ADVANCED

### Who can attend?:

Anyone who can solve the allotted assignment using ChemCollective Virtual Lab within stipulated time.

### The workshop will cover the following topics:

- Determine Heat of Reaction
- Metal displacement reactions
- Determine Equilibrium Constant
- Determine Solubility Product
- Gravimetric Analysis
- Determine Acid Dissociation Constant

### Benefits advanced:

- Learn to perform Chemistry laboratory experiments using ChemCollective Virtual Lab in advanced topics suitable for Junior college and 1st year undergraduate chemistry courses
- Learn about ChemCollective resources that are useful in classroom teaching as well as other scientific and academic purposes
- Certificate for Advanced Workshop
- Can get selected as TA for Beginner workshop

## BEGINNER

### Who can attend?:

Anyone with background of chemistry and has basic knowledge in chemistry subject.

### The workshop will cover the following topics:

- Preparation of Standard Solutions
- Dilutions and pH Measurements
- Density of Solids and Liquids
- Effect of Temperature and Solubility
- Acid-Base Titrations
- Buffer Solutions

### Benefits beginner:

- Learn to perform basic chemistry laboratory experiments using ChemCollective Virtual Lab useful for high school students
- Learn about ChemCollective resources that are useful in classroom teaching as well as other scientific and academic purposes.
- Certificate for Beginner workshop

Limited seats

Common Registration for Beginner & Advanced Level Workshops

ADVANCED

Solve the allotted assignment using ChemCollective Virtual Lab

Approved

Attend Workshop

ChemCollective Virtual Lab Advanced Level Certificate

+

Be a TA\* for ChemCollective Virtual Lab workshop

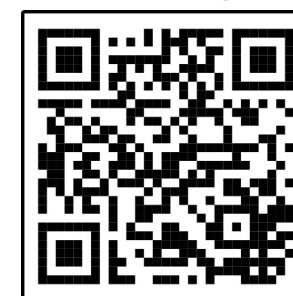
\* Teaching Assistant

BEGINNER

Attend Workshop

ChemCollective Virtual Lab Beginner Level Certificate

Scan to Register



Contact us :

[eoutreach@it.iitb.ac.in](mailto:eoutreach@it.iitb.ac.in)

For more details visit:

<http://www.it.iitb.ac.in/nmeict/announcements.html>



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