

(An Initiative of Ministry of Human Resource Development)

Under the

(National Mission on Education through ICT)

[**www.vlab.co.in**](http://www.vlab.co.in/)

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**Prerequisites for the College Cloud Edition version of Virtual Labs Workshop**

Thank you for your interest in hosting College Cloud Edition version of Virtual Labs workshop in your institute. Below are the pre-requisites laid down by MHRD for hosting these workshops:

**Eligibility:**

1. The Institute should be a Central/State University or institute/college approved by **AICTE/UGC**.
2. The Institute must have an auditorium with a seating capacity of at least 100, 1 Mbps Internet connection, and a multimedia projector.
3. The Institute has to provide a designated/common lab space having **35 PCs or more**.

4. System configuration recommended:

a. Processor : Intel(R) Core(TM) i7-3770 , CPU with 3.40GHz (Model : intel- db75en), RAM : 16 GB, SMPS : 600 W , CPUs: 8

b. MotherBoard wattage: 77 W, 500 GB SATA

c. WiFi Router : WiFi router which could serve 30-80 users

d. Computer Lab with at least 30-80 Systems/Desktops

e. Network Input ([Network Switch](https://en.wikipedia.org/wiki/Network_switch), from where all the labs would obtain DHCP IP) to computer lab machines/Desktops. This would make College Cloud accessible over the LAN network providing better results

f. System Administrator with basic knowledge of CentOS operating systems and networking

**Terms and Conditions:**

1. There is **no financial liability** on any party for using Virtual Labs College Cloud Edition. It is free to use.
2. The Institute **cannot charge** students for the use of Virtual Labs College Cloud Edition.
3. The institute must nominate a single point of contact for all logistical and technical coordination between the institute and Virtual Labs team.

**Responsibilities of the College/Institute:**

1. The institute will print checklists, attendance sheets, feedback forms, and brochures as needed.

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1. Post first workshop, the institute will **conduct Virtual Labs** sessions for students and faculty members in the Institute on a regular basis preferably during lab hours.
2. The institute may take help from other faculty members and support staff to coordinate training programs in their respective institutes.
3. The institute will work towards **making Virtual Labs College Cloud Edition popular** among students.
4. The institute may volunteer to help in **Field Testing** the labs and in collation of end--‐user **Feedback** for the experiments of different Labs.
5. At the end of each semester, a progress report regarding Virtual Labs College Cloud usage by the students must be submitted by the institute to Virtual Labs, duly signed by the Director/Principal of the Institute.
6. Each institute may plan to organize at least **1 workshop per semester** as an outreach activity of Virtual Labs College Cloud Edition.
7. The institute must invite the faculty members and students from at least **three nearby Institutions** to attend the workshop. The targeted attendees in each workshop should be approximately 100. The list of participants should be shared with Virtual Labs. The institute needs to share the following records as a report to Virtual Labs:
   * List of attendees (attendance sheet) in each workshop.
   * List of labs and experiments attempted by each attendee through the

Virtual Labs College Cloud Edition.

* + Relevant photographs taken during the workshop.

1. The Outreach team may visit the institute on workshop day to ensure smooth conduct of the workshop.

**Workshop Process:**

1. Virtual Labs Team will organize workshop and hands- on practice sessions on Virtual Labs College Cloud Edition for interested Science & Engineering Institutions.

1. Faculty members who participate in the workshop will be encouraged to express their interest in nominating their institutes for Virtual Lab workshop.
2. The Virtual Labs Team will conduct faculty training sessions and workshops for students at the interested institutions.
3. Virtual Lab College Cloud Edition demonstrations will be given to the students.
4. After the demonstrations, hands-on sessions will be conducted.
5. On completion of the demonstrations and hands-on sessions, the faculty members and the students may be encouraged to submit the feedback form to the Virtual Labs team.
6. These forms will be compiled and analyzed. The bugs will be duly reported to the developers for debugging.

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