

Hardware & Software Requirements for the Participants of VLAB FDP Program

Note: This program requires significant amount of practical work, for which participants are required to use their own computers. We expect the participants to spend their time learning the VLAB concepts through practical experience, and not to be managing issues and distractions caused by mal-functioning or below-par functioning of their computers. We have recommended suitable configuration of hardware and software for the computers and participants may kindly ensure that they participate in the program with appropriately configured computers.

Hardware Requirements:

ONLY Desktop or Laptop is recommended for VLAB FDP. Kindly avoid taking the session from mobile or tablet devices.

- Dual Core 2Ghz or Higher (i3/i5/i7 or AMD equivalent processor)
- With minimum 4 GB RAM

System Requirements

- A good internet connection – broadband wired or wireless (preferably 4G connection) with minimum 2.5mbps speed. For good experience, a fibre cable internet connection with dedicated 10mbps or above speed would be ideal.
- Speakers and a microphone. Check your audio settings upfront (as mentioned later in this document) and not during the session.
- A webcam or HD webcam - built-in or USB plug-in

Supported operating systems

- macOS X with macOS 10.9 or later
- Windows 10*
 - **Note:** For devices running Windows 10, they must run Windows 10 Home, Pro, or Enterprise. S Mode is not supported.
- Windows 8 or 8.1 and above

Supported browsers

- Windows: IE 11+, Edge 12+, Firefox 27+, Chrome 30+
- Mac: Safari 7+, Firefox 27+, Chrome 30+

- Linux: Firefox 27+, Chrome 30+

Software Requirements

- Audio (MIC and Speakers) as well as Video camera should be set up and tested to work with Zoom
- Web browsers as listed above should be installed with support for Adobe Flash
- Click on the below link to see if the adobe flash is installed

<https://helpx.adobe.com/in/flash-player.html>

Steps to check and install adobe flash is self-explanatory. However, if any more assistance is required, faculty are requested to contact their college IT helpdesk to install the same.

N.B: These are the generic requirements for the labs to be demonstrated. In the Virtual Labs platform, there are a few experiments which may individually have some specific software dependencies. In such cases, the requirements will be specifically indicated alongside the corresponding experiment