



ZOOM FOR ONLINE CLASSES

For Teachers

Zoom is an easy to use video conferencing program that allows for multiple participants, audio and video sharing, screen sharing, working on a whiteboard and recording. In this manual we will be discussing how you can use Zoom for video conferencing, but also how you can think outside the box and use Zoom for developing screencasts and video supplements for your courses.

Computer Centre, North Bengal University

I. Setting up an Account & Downloading the Meeting Client

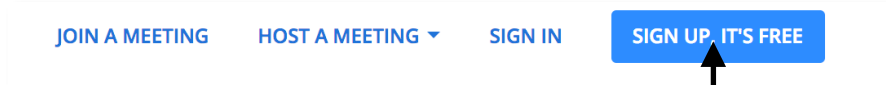
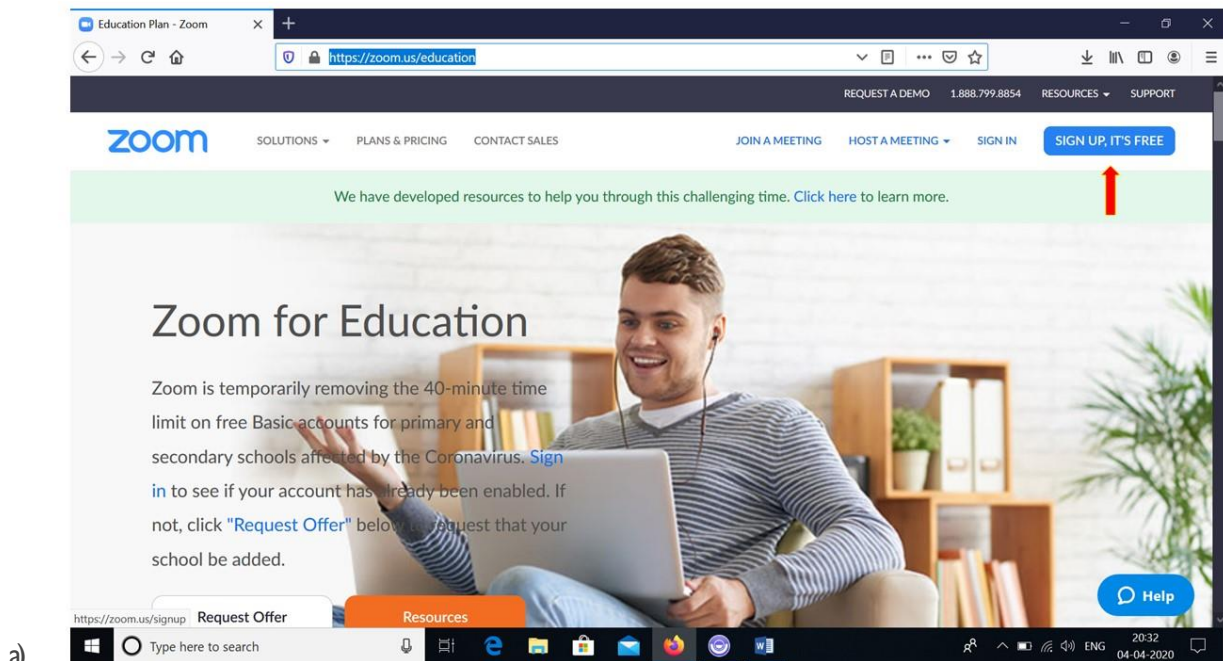
Setting up an Account:

Step 01

You will need to set up a free account to use Zoom if you do not already have one. To set up your free account, go to <https://zoom.us>.

Step 02

Click on the **Sign Up, It's Free** button in the upper right-hand corner of the screen and follow the on-screen instructions.



Step 02 of 1

Step 03

Insert a valid & active email Id of your choice. Preference should be given to working email ID (e.g. systemmanager@nbu.ac.in)



ZOOM FOR ONLINE CLASSES - TEACHERS

Sign Up Free

Your work email address

Insert your Institutional ID
(eg. systemeng@nbu.ac.in)

or

Use your FB/ Google Credentials

Sign Up

or

Sign in with Google

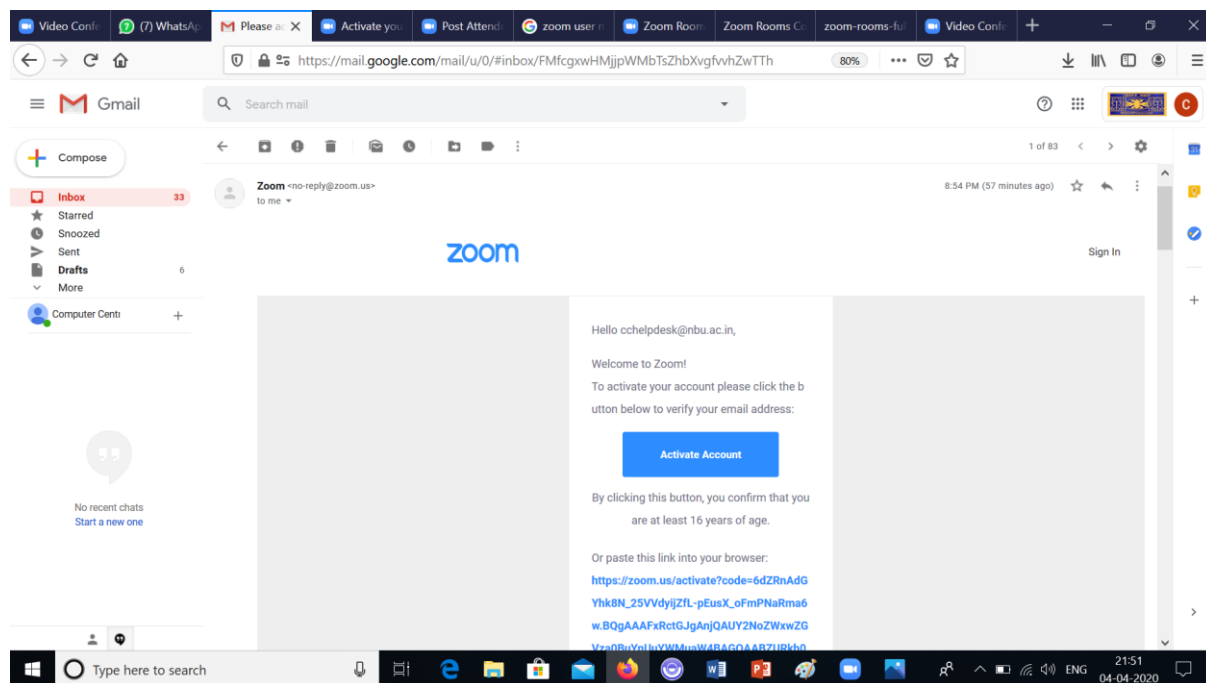
Sign in with Facebook

Already have an account? Sign in.

Help

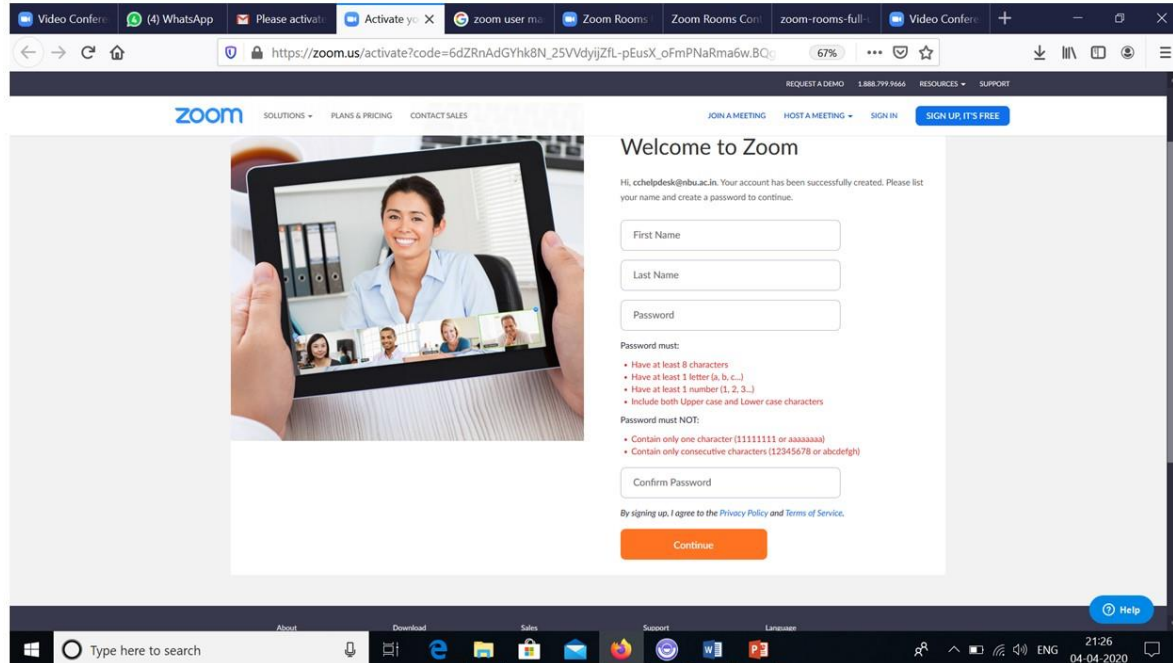
Step 04

On completion of Step 03, you will receive an email from no-reply@zoom.us to the email id keyed in in Step 03. The mail will contain an **“Activate Account”** Button. Click on this button.



Step 05

Provide your first and last name along with password as shown in following screen grab. Please make sure the password follow the constraints provided.



The screenshot shows the Zoom activation page in a web browser. The browser's address bar displays the URL: https://zoom.us/activate?code=6dZRnAdGYhk8N_25VdyjZfL-pEusX_ofmPNaRma6w.BCQ. The page features the Zoom logo and navigation links for SOLUTIONS, PLANS & PRICING, and CONTACT SALES. A prominent blue button says "SIGN UP, IT'S FREE".

The main content area is titled "Welcome to Zoom" and includes a message: "Hi, cchelpdesk@nbu.ac.in. Your account has been successfully created. Please list your name and create a password to continue." Below this message are three input fields: "First Name", "Last Name", and "Password".

The "Password must:" section lists the following requirements:

- Have at least 8 characters
- Have at least 1 letter (a, b, c...)
- Have at least 1 number (1, 2, 3...)
- Include both Upper case and Lower case characters

The "Password must NOT:" section lists the following restrictions:

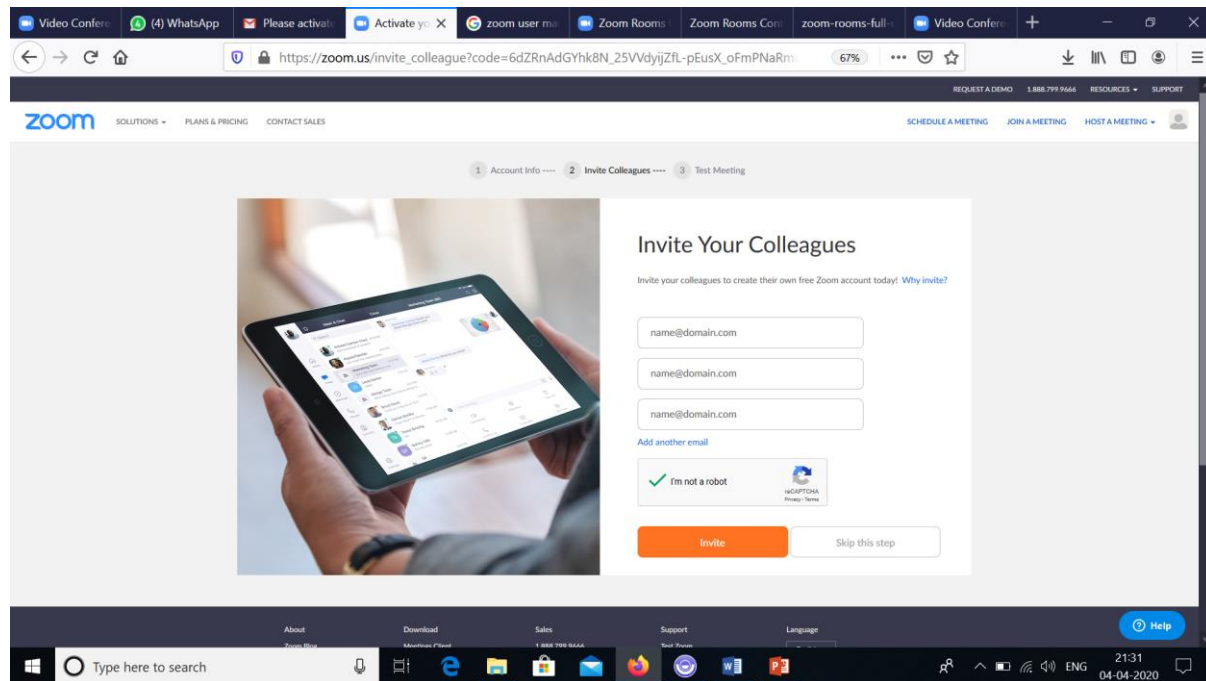
- Contain only one character (11111111 or aaaaaaaa)
- Contain only consecutive characters (12345678 or abcdefgh)

Below these fields is a "Confirm Password" input field and a blue "Continue" button. At the bottom, there is a link to "By signing up, I agree to the Privacy Policy and Terms of Service." The Windows taskbar is visible at the bottom of the screen, showing the time as 21:26 on 04-04-2020.

Step 06

You can invite your colleagues/students/ scholars. But please declare yourself not “A Robot” and click the “Skip this step” Button.





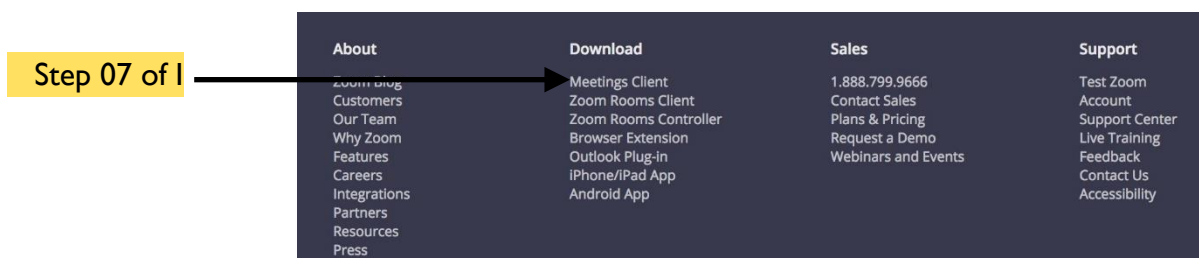
You now have the zoom ID (the mail id entered) and password created for zoom.

Downloading the Meetings Client:

Step 07

You will need to download the Zoom Meetings Client from <https://zoom.us>.

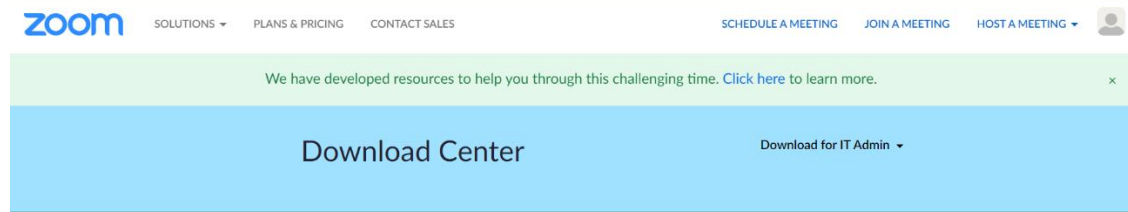
Scroll to the bottom of the page. Click on the **Meetings Client** link under the Downloads section of the menu.



Step 08

This will take you to the ZOOM Download Center and click the Download button for Zoom Client for Meetings.





Zoom Client for Meetings

The web browser client will download automatically when you start or join your first Zoom meeting, and is also available for manual download here.

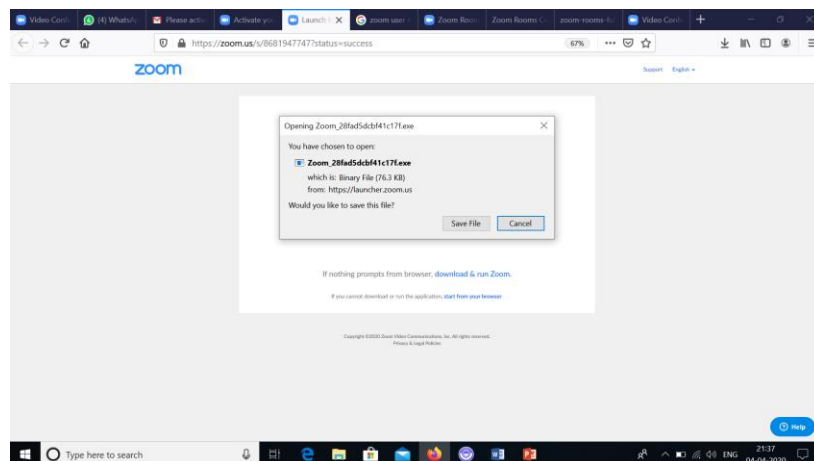


Version 4.6.10 (20033.0407)



Step 09

This will take you to the ZOOM Download Center and click the Download button for **Zoom Client for Meetings**. A launcher application will be available to download and **install the application into your system**.



II. Logging In

A. Open the Zoom Meeting Client (From Computer Program/Menu).

B. Click **Sign In**.

II.A.

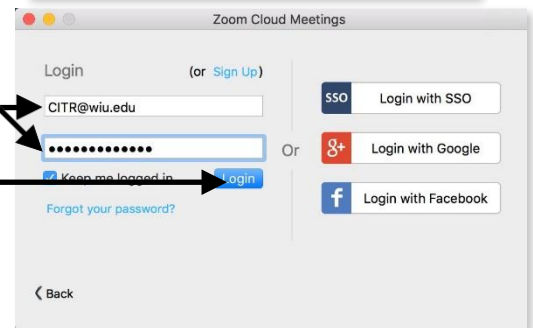


C. Enter your username and password.

II.C.

D. Click the **Login** button.

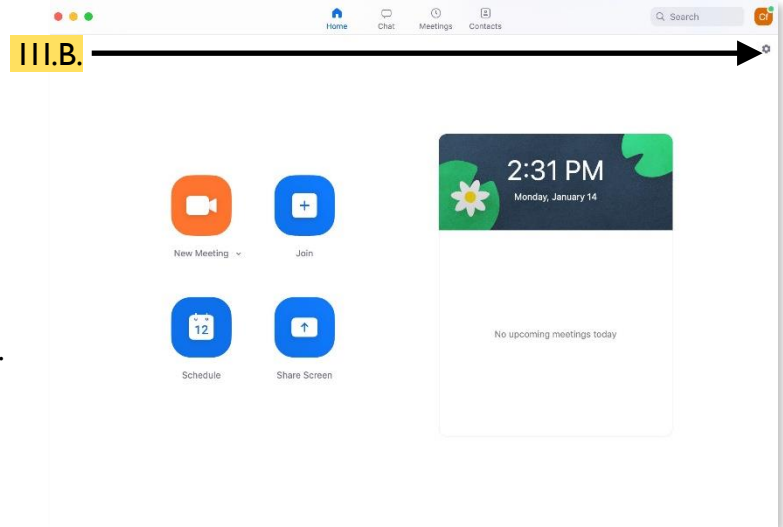
II.D.



III. Adjusting Settings

Adjusting your Audio and Video Settings:

- A. Plug your Web Cam into the USB port on your computer (if you don't have built-in web camera).
- B. Click on the **Settings** link in the upper right-hand corner of the Zoom Home Screen. (Click on the Gear shaped icon.)



- C. Click on the **Audio** link in the left panel of the window.
- D. Click on the **Test Speaker** button to ensure that you can hear participants.

III.E.

- E. Under Microphone settings, choose the **Built-in Microphone** or external microphone that you will be using.

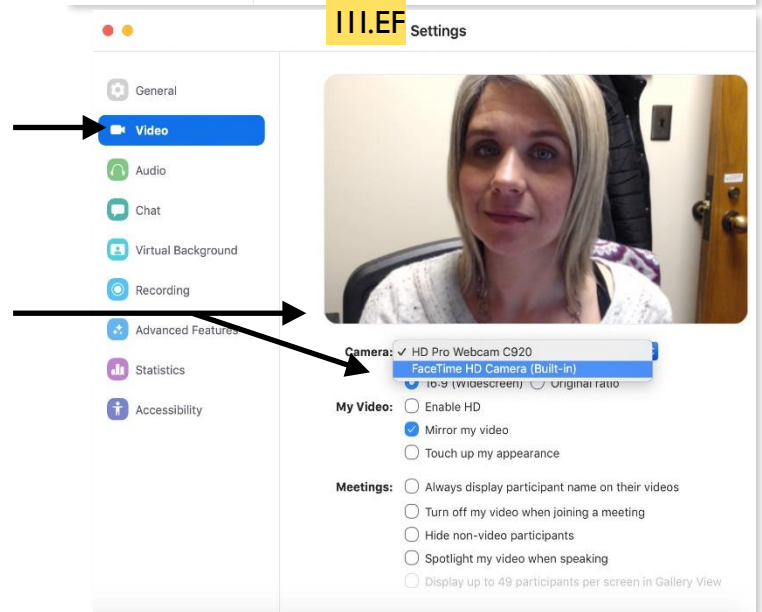
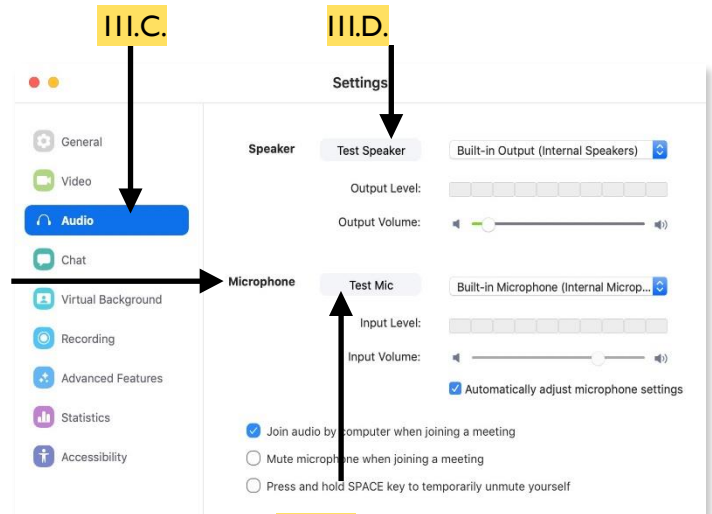
- F. Click the **Test Mic** button and record a small audio snippet. When you have finished recording it will automatically play back to show that it is working.

III.G.

- G. Click on the **Video** icon in the toolbar at the top of the window to open your video settings.

III.H.

- H. Click on the **Camera:** drop-down menu and choose the **Built-in camera** or external camera that you plan to use. You will see yourself in the preview window.

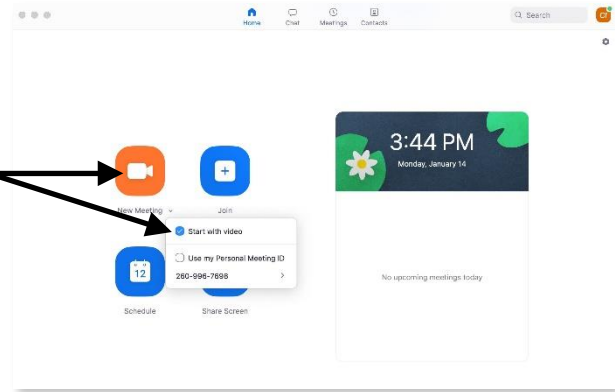




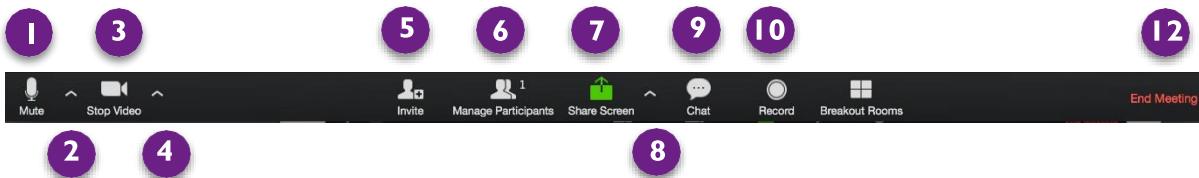
IV. Starting your Meeting & Inviting and Managing Participants

- A. In the Zoom Home Screen click on the **New meeting drop-down menu** and choose **Start with video**.
- B. Your meeting will begin and you will see the Zoom video conferencing interface appear.

IV.A.



Using the Toolbar:



	Mute/Unmute Microphone	Allows you to mute your microphone so participants cannot hear you, and then unmute it so that they can hear you when you are ready for them to hear you.
	Microphone/Speaker Settings	Clicking on the up arrow allows you to access the microphone and speaker settings as well as the Audio settings, which is where you can perform an audio test.
	Stop/Start Video	Allows you to start and stop your video feed.
	Video Options	Clicking on the up arrow allows you to access the video options which allows you to switch video inputs, adjust video settings, or add a virtual background.
	Invite	Allows you to invite participants to your meeting.
	Manage Participants	Opens the participant management panel, where you can manage participant settings such as mute/unmute microphones, start/stop cameras, lock screen sharing, lock the meeting, and etc.
	Share Screen	Let's you share your screen with your participants.
	Screen Sharing Settings	Let's you set how many people can share at a time, and whether or not participants can share their screens.
	Chat	Let's you start a private or a group chat.
	Record	Let's you start recording the video and audio of your meeting.
	End Meeting	Let's you end or leave the meeting.

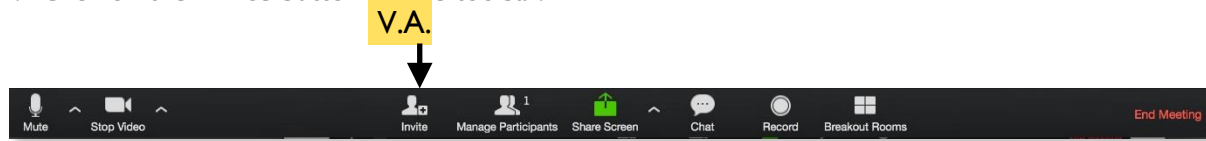




IV. Inviting and Managing Participants

(i) Inviting Participants:

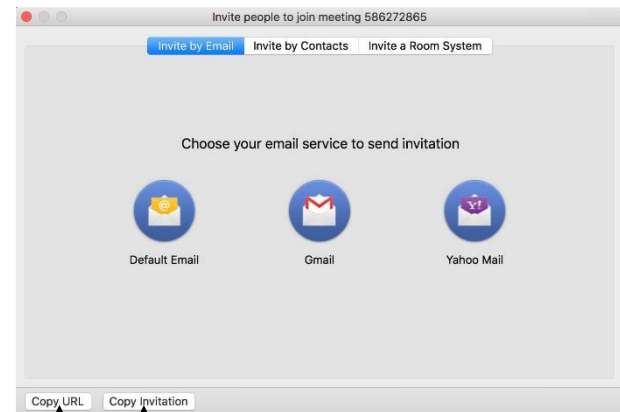
A. Click on the **Invite** button on the toolbar.



B. Click the **Copy URL** or **Copy Invitation** button.

C. Paste what you copied into your email program and send it to your participants.

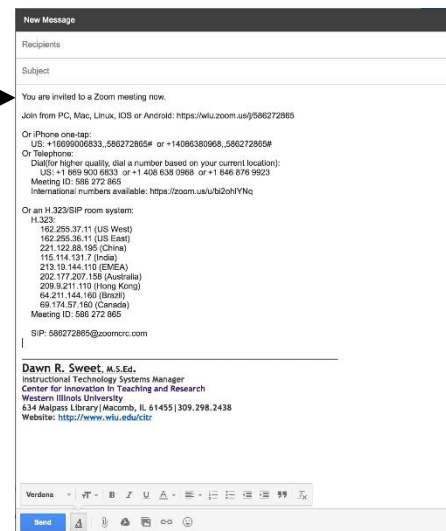
Alternatively, for a class that will continually use the same meeting link, you can communicate the link using WhatsApp or through any other communication mechanism.



V.B.



V.C.



(ii) Managing Participants:

- D. After you send your invite, you will want to open the Manage Participants window. Click **Manage Participants** in the toolbar.

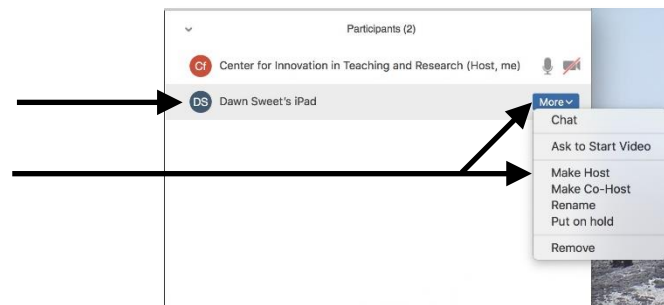
IV.D.



- E. As your participants arrive you may hear a chime sound, and you will begin to see their names show up in the **Manage Participants** window. Click on the **More** drop-down menu and you will see options for controlling your participant video, name, hosting controls, and etc.

E

F



- F. To easily control the audio and video availability of a specific participant you can just click on the audio and video icons to the right of their name.

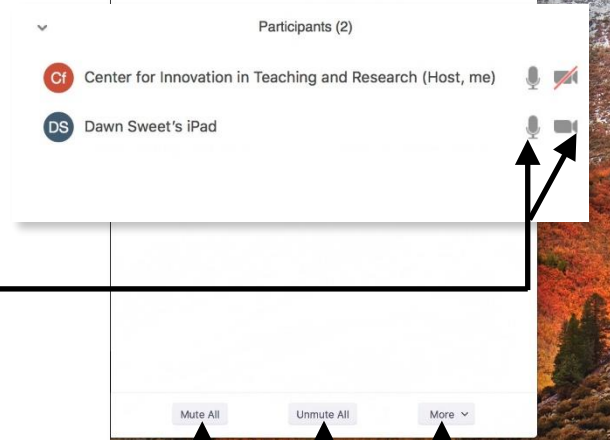
- G. If you would like to **Mute or Unmute All** participants at one time, click the **Mute All** or **Unmute All** button.

G.

- H. Click the **More** button to drop-down a menu that allows for **Muting Participants on Entry, Playing the Enter/Exit Chime, and Locking the Meeting.**

Hi

I.



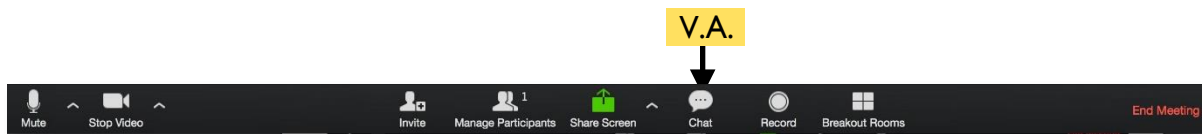
Note: Once your participants start arriving, begin speaking to them and ensure that they can see and hear you. Have them start speaking to you to ensure that you can hear them. If there are issues with feedback, you can mute your microphone when you are not talking. As discussed above, you also have the ability to mute your participant's microphones when they are not talking. Similarly, you can stop your own camera and your participant's cameras if bandwidth and lag becomes an issue as discussed above.



IV. Chatting with Participants

Within Zoom you will also have the ability to chat with participants both publicly and privately. Anytime someone is having trouble communicating via microphone and/or camera you can always try communicating with them via the chat window to assist them in getting set up. Participants can type questions into the chat window as you meet and you can answer them verbally or via the chat window. Chat transcripts can also be saved and shared at the end of your meetings.

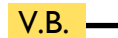
- A. Click on the **Chat** button on the toolbar.



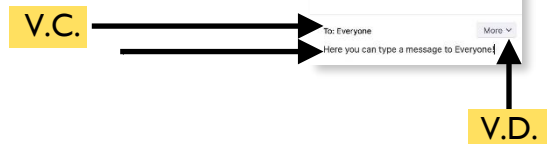
- B. The chat window will appear to the right of your screen. Click in the field provided at the bottom of the screen to type a message to **Everyone** (all participants).



- C. Click on the word **Everyone** to switch from public to private chat. When switching to private chat, click on the name of someone in the list whom you wish to chat with. Type your message, in the field provided then press your **Enter/Return** key on your keyboard.



- D. Click on the **More** drop-down menu to control chat settings such as, **Saving the chat transcript** and selecting who **participants can chat with**.



V. Screen Sharing

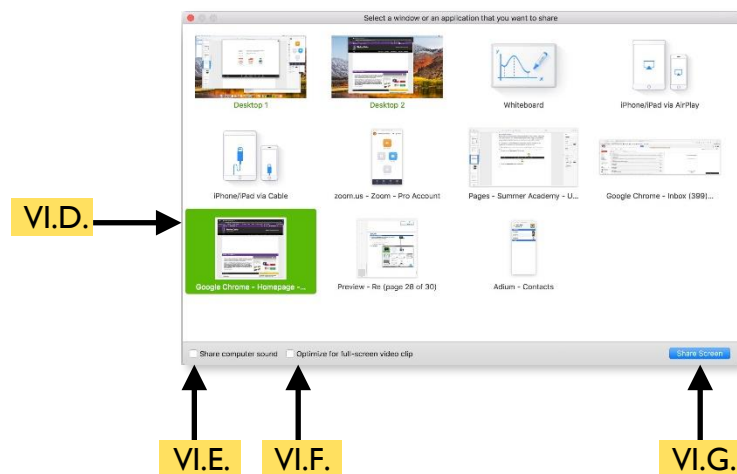
Within Zoom you can share your screen with participants and they can share it with you. Screen sharing can be used for interactive white boarding, sharing a presentation, walking through a document, giving a web tour, showing software tutorials, and etc. When combined with recording, Zoom's video and screen sharing capability also make it an excellent choice for basic screen casting of course materials.

As a best practice, it is recommended that you open any and all applications or windows on your computer that you would like to share before starting screen sharing within Zoom.

- A. Open any applications or windows that you will want to share during your screen sharing session.
- B. If you want to record the screen sharing portion of the session, and have not already started recording, click on the **Record** button on the toolbar.



- C. Click on the **Screen Share** button on the toolbar.
- D. When the window selection screen appears, click on the Window you would like to share to select it.
- E. Notice at the bottom left of the screen there are two checkboxes. If there is sound that will be passing through your computer such as a video, audio clip, or sound effect that you want your participants to hear, click in front of **Share Computer Sound**.



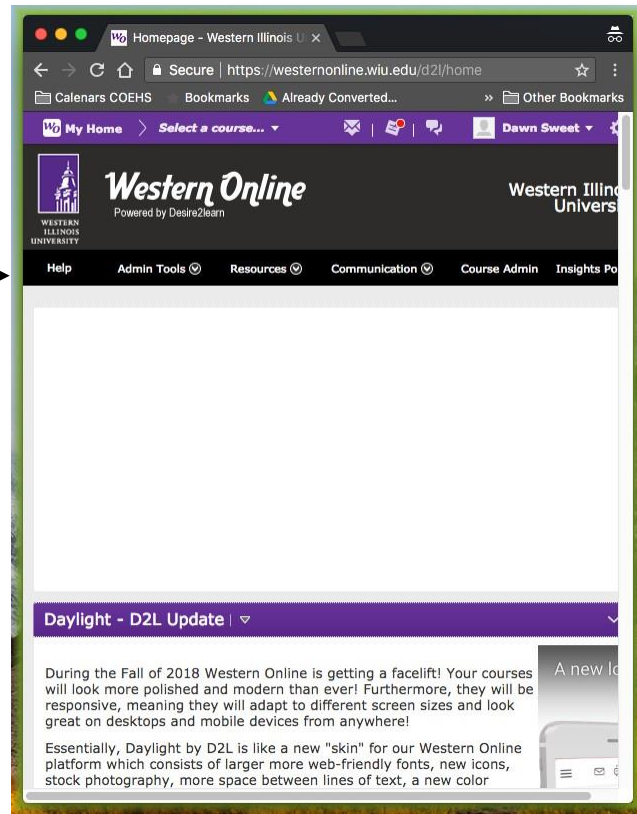
- F. If you intend to share a video with your participants, click in front of **Optimize for full-screen video clip**.
- G. After you have made all of your selections, click the **Share Screen button**.



VI. Screen Sharing, cont.

- H. Once you go into screen sharing mode you will be able to identify what is being shared with your participants by the green glowing bounding box that outlines the window.

VI.H



VI. Screen Sharing, cont.

Screen Sharing Toolbar:

At the top of your window, you will see a small screen sharing toolbar. Look at the image below and descriptions to learn about tool options within the screen sharing environment.




1	Mute/Unmute Microphone	Allows you to mute your microphone so participants cannot hear you, and then unmute it so that they can hear you when you are ready for them to hear you.
2	Stop/Start Video	Allows you to start and stop your video feed.
3	Manage Participants	Opens the participant management panel, where you can manage participant settings such as mute/unmute microphones, start/stop cameras, lock screen sharing, lock the meeting, and etc.
4	New Share/Start Share	Allows you to return to the screen selection window so you can share a different window. Also allows you to Restart a share that you have previously stopped.
5	Pause Share/Resume Share	Lets you pause the current sharing session momentarily and then. Click the pause button one time to pause it and then click it again to resume it.
6	Annotate	Opens the annotation window so that you can make annotations over the screen. This window will be discussed in more depth in the next section of the tutorial.
7	More	Opens a drop-down menu with additional menu items. These will be reviewed later in this tutorial.

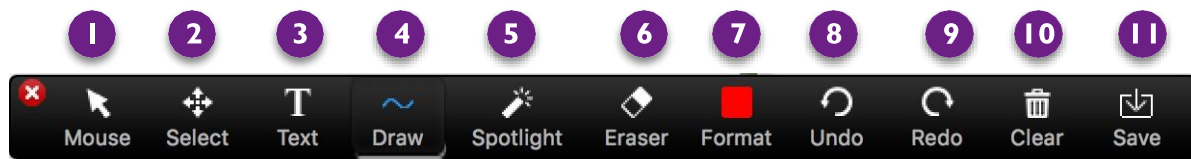


VI. Screen Sharing, cont.

Screen Sharing Annotations Toolbar:

Annotations within the screen sharing portion of Zoom allows you to provide online drawings, text insertion, as well as, calling out attention to specific information with a spotlight tool. Look at the image below and descriptions to learn about tool options within the screen sharing environment.

Click on the **Annotate** button () in the Screen Sharing toolbar to open the annotations toolbar.



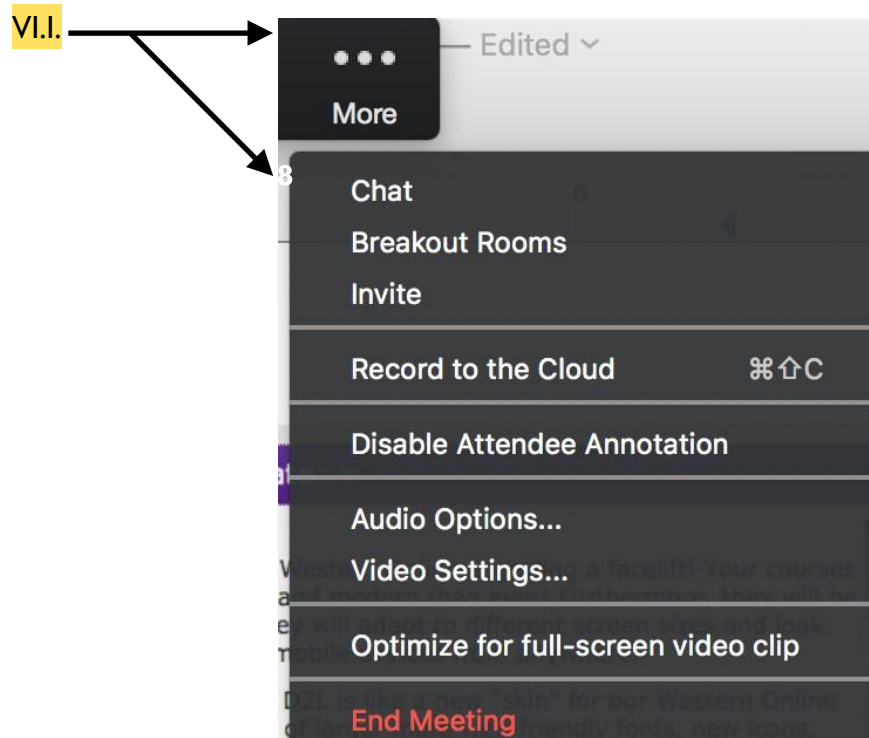
1	Mouse	Functions as a mouse on the screen. Click on this icon each time you want to switch between annotation tools.
2	Select	Lets you select an annotation object on the screen. For example, if you have drawn a shape this tool lets you select that shape and move it.
3	Text	Creates a text box where you can type text on the screen.
4	Draw	Opens a drawing tool box with both constrained shape tools and free hand drawing options.
5	Spotlight	Allows you to click and shine a laser point or an arrow to highlight specific information on the screen.
6	Eraser	Allows you to erase something on the screen.
7	Format	Allows you to make changes to color (shapes/lines/text) and font changes such as color, bold, italics and etc.
8	Undo	Allows you to undo your last change.
9	Redo	Allows you to redo your last undo.
10	Clear	Clears your annotations.
11	Save	Allows you to save your annotations as an image file.



VI. Screen Sharing, cont.

Screen Sharing More Menu:

- I. The more menu on the screen sharing toolbar opens as a drop-down menu when you click on the **More button** on the screen sharing toolbar.

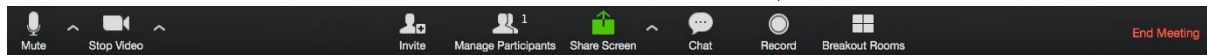


VII. Recording Meetings

Zoom allows you to record your meetings. If you have a paid account you can record and save your recordings to the cloud or locally. If you have a free account you can record and save your recordings locally to your computer. Use Zoom's recording capabilities to record lectures, introductions, screencasts, guest visitors, and etc.

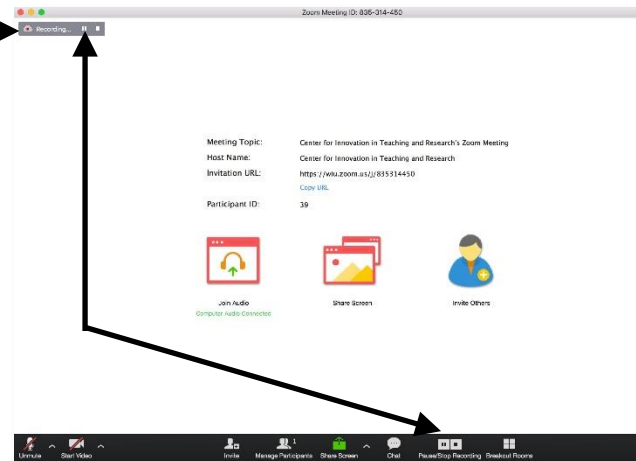
- A To begin recording your meeting, click on the **Record** button on the toolbar.

VII.A.



- B Once the recording begins, you will see a recording indicator in the upper right corner of your screen.

VII.B.



- C If you need to pause the recording click on the **Pause** icon in the indicator at the top of the page, or the **Pause/Stop Recording** button in the toolbar.

* **Note about FREE Accounts:** If you are using a free account and you do not see the record button at the bottom of your screen follow these instructions.

- ◆ Logout of your account in the desktop application.
- ◆ Login to your account by navigating to <https://www.zoom.us> and clicking **Sign In** in the upper right corner of the window. When prompted enter your Email address and password and then click the **Sign in** button.
- ◆ In the menu to the **Left** of the screen, click **Meeting Settings**.
- ◆ Click the **Recording Tab/Link**. Toggle **Local recording** to on.
- ◆ When prompted click **Turn On** again.
- ◆ Log back into your desktop client and the Record button should appear.



References

If you want to know how to use Zoom more, please go through the link mentioned below.

<https://blog.zoom.us/wordpress/2020/03/18/quick-info-how-to-zoom-new-videos/>

Please have a look at the YouTube video to know how to install and host/ join a meeting in Android Platform.

<https://youtu.be/T5AANF3RWpk>

