Finding the IP

- Find the IP allocation table of your hostel from one of the following sources.
  1. https://www.cc.iitb.ac.in/IP-Allocation/Hostel_ip_allocation.html

- Find the IP range of your wing & floor and note the Network Mask & gateway from the table.

- Suppose the range is 10.14.41.1 - 10.14.41.254, then your IP address would be 10.14.41.xx, where xx is last two digit of your room number. Ping to that IP address from some other machine that is already connected to the IITB network in command prompt or terminal as shown in the figure 1. See if you get any reply. (Note: You need to press `ctrl + C` to exit from ping command.)

![Ping reply from 10.14.45.250](image)

Figure 1: Ping reply from 10.14.45.250

- If you get a reply as shown in figure 1, that means someone is already using that IP address. In that case ping to 10.14.41.1xx/10.14.41.2xx. See that there is no reply to ping as shown in figure 2.

- When you don’t get a reply for a particular IP as shown in figure 2, that means that that particular IP is not being used by anyone. Congratulations, you have got your IP. Now all we have to do is configure it in your system.
setting the IP(Windows 10)

- Open network settings as shown in figure 3 from bottom right corner.

- Select Ethernet settings from left panel and click on "change adapter options" as shown in figure 4.

- Double click on "Ethernet" as shown in figure 5.

- Click on "Properties" as shown in figure 6.

- Select "Internet Protocol Version 4(TCP/IPv4)" and click on properties as shown in figure 7.
• Type in IP address, subnet mask and Default gateway as shown in figure 8. DNS is 10.200.1.11.

• Log in with your LDAP ID on internet.iitb.ac.in and enjoy the internet.
Figure 6: Properties

Figure 7: IPv4 settings

Figure 8: Configuring the IP address