Computer Facilities to New Students at IIT Bombay

Warm Welcome to IIT Bombay (IITB) Users Community!

Computers play a vital role in a student's day-to-day life at IITB. Admissions, course registration, and often the course content delivery, etc., are all computerized. It is, therefore, necessary to know where and how to access these systems. There are two different classes of services available to the user community at IITB. The first one is provided at your native department, where you have been admitted. Respective departments will inform you about those services during the orientation programs they conduct. The second category of services is the one made available centrally under the auspices of the Computer Centre. This document aims to introduce you to the next class of services in general and familiarize you with the Course Registration System so that you can complete the registration process.

The Computer Centre at IITB provides students with various Centralized Computer Facilities, including Email, Web Browsing, File Storage, Computational Software, and High-Performance Computing (HPC). These services can be accessed using your **LDAP-ID and Password.** IITB campus has a gigabit backbone fiber-optic network that connects all computer facilities. In turn, this network links to the Internet using WAN circuits, currently having a **total bandwidth capacity of 15 Gbps**. Each of the hostel rooms are wired so that students can connect their own computers. A centralized user hall viz., **Bits & Bytes Lab**, is also available at the Computer Center. Besides, there are authenticated wireless facilities where users can connect their devices. You will be able to access these facilities after you arrive on campus.

IITB IT Infrastructure Access Policy

While opening up its IT infrastructure to the users, **IITB** expects users to use these facilities responsibly. In particular, it is expected that users take adequate precautions so that their computers do not get infected with viruses. In order to promote disciplined usage of IT infrastructure, the **IITB IT Infrastructure Access Policy** is in operation at IIT Bombay. Before attempting to access the IT infrastructure of IITB, each user must go through the Policy and accept the same carefully. To access this policy, you will need a User ID and Password.

For details on how to obtain your User ID and Password, please refer to the email that you have received from IITB.

When you start your stay in the hostels, you will realize that each Hostel has a system administrator. Please contact them for any help regarding LDAP Access. Throughout your stay at IITB, Hostel and Department System Administrators will be of great help, and you

should approach them without any hesitation. You may also choose to attend **HELPDESK sessions** (more information available at the URLs given below) conducted at the Computer Centre.

We hope you enjoy your stay at **IITB.**

Computer Centre, IIT Bombay (https://www.cc.iitb.ac.in)
Application Software Centre, IIT Bombay (https://asc.iitb.ac.in)

Stepwise Instructions For Registering For Autumn Semester From Outside The Campus Network

Since you will be registering from outside the campus (and campus network), there are some additional steps you will need to follow to register for the Autumn 2020 semester successfully. These steps are to ensure the security of the IIT Bombay network. If any steps conflict with the information given earlier, kindly consider that the instructions on this page supersede the previous information (which was designed for on-campus registration).

You need to implement steps I, II, and III on the registration date of November 24, 2021, so that any issues faced can be resolved.

I. Change of Initial Password and Acceptance of IT Policy (to be completed on November 24):

All users at IIT Bombay must accept the Institute's IT policy before using the IITB network. To be able to accept the IT access policy, please be ready with your user ID (this is the same as your roll number) and password. We call this credential the LDAP credential.

A. For changing passwords, please visit the following Central Account Management Portal (CAMP) (URL: https://www.cc.iitb.ac.in/camp). Log into the CAMP system using your LDAP ID and initial one-time password (refer to the email on how to obtain your **LDAP ID** and the **initial one-time password)**. After you login successfully, please reset your password according to your choice by clicking on '**Change Password**'. If you are not able to log in, please read the instructions in the "What is my user ID and password" section carefully and try again. If you are reasonably sure that the user ID and password combination is not working, you can connect to the helpdesk email ID or phone number provided by your department. You will get details of the department contact after 3 failed login attempts on the same CAMP interface (https://www.cc.iitb.ac.in/camp).

B. To sign the online IITB IT Access Policy (General), please visit the URL, https://www.cc.iitb.ac.in/camp again and click on the IT Access Policy. Please go through the document carefully and choose the appropriate option that appears at the bottom of the page. Please remember that rejection of the **IT Access Policy** will render the services mentioned above permanently unavailable. To sign up for the Policy, you will need to provide your **LDAP-ID** and the

new password you have obtained in the previous step. **At this stage, you should have successfully signed the IT Access Policy of IITB.**

C. Once you have successfully accepted the policy, you will see a confirmation email flash on the page, which means that you have successfully finished Step I.

II. Setting up Single Sign-On (to be completed on November 24):

Single sign-on (SSO) is a mechanism that enables you to securely authenticate with multiple IITB applications and websites by logging in only once, with just one set of credentials, LDAP ID and password. At IIT Bombay, we use two-factor authentication (2FA) that ensures that your mobile device is connected with your credentials (after the initial set up, you do not need to have a mobile network to use 2FA). Below, we outline the various steps you need to execute to set up SSO. If you do not set up SSO, you will not be able to complete registration. SSO setup will not work if you do not accept the IT Access Policy.

Procedure for Single-Sign-On (SSO): The detailed steps can be found at www.cc.iitb.ac.in --> how-tos --> Two-factor authentication (2FA) for SSO for instructions and video tutorials or directly click on https://www.cc.iitb.ac.in/page/sso-guide for registering the smartphone and FAQs.

Please do not uninstall authenticator (Google or Microsoft) once installed on your smartphone.

Kindly note that after logging into the SSO web page using the authenticator, **you can register your mobile number,** which can be used as a recovery option (in case you change your mobile but keep the same sim card).

Common error 1: is that your mobile time is not synced with network time and this causes an invalid OTP error. In such a case, simply go to the system settings of your phone --> time --> tick on use network time.

Common error 2: is that when a TOTP is generated in your mobile, and you do not enter it quickly enough (about 30-40 seconds) in the SSO web page. It will give you an authentication error since the TOTP has expired.

To help you execute this step successfully, we have compiled a **large number of FAQs** at https://www.cc.iitb.ac.in/page/sso-guide. Please go through this carefully if you face issues.

Once you have successfully registered your device with IITB SSO, you are now ready to access the registration portal which will need SSO.

III. Verifying if you can access the Registration site (to be completed on November 24):

Now that you have set up IIT Bombay's SSO you are ready to proceed with the registration.

- Step 1: Visit the page https://asc.iitb.ac.in. You will be redirected to IITB's SSO authentication page.
- Step 2: Enter the LDAP credential (**LDAP ID** and **new password**). Additionally, you will need to enter the TOTP that you can generate from the authenticator from your mobile device.
- Step 3: After successfully logging in, you will find yourself on asc.iitb.ac.in page where you will need to log in using your LDAP credential. You can explore the website.
- For FAQ on on-line registration, please visit the ASC Homepage.

Further Steps (to be carried out on the same day as November 24):

Step 1: Visit the page https://asc.iitb.ac.in. You will be redirected to IITB's SSO authentication page.

Step 2: Enter the LDAP credential (**LDAP ID** and **new password**). Additionally, you will need to enter the TOTP that you can generate from your mobile device's authenticator.

Step 3: After successfully logging in, you will find yourself on asc.iitb.ac.in page where you will need to log in using your LDAP credential. After login, click on Academic --> Registration --> Registration/Adjustment.

Next, click on 'Verify' and finally 'CONFIRM' to confirm your registration. As you finish, a mail will be sent to your LDAP Email account. This mail has to be preserved as proof of registration. Visit https://webmail.iitb.ac.in and login with your LDAP-ID and password (described above) to access this mail.

For 'adjusting' courses later, follow the same procedure as above.