## **Slot Booking**

http://www.online.ncpre.iitb.ac.in/slotbooking/index.php

Version -2.0



# **National Centre for Photovoltaic Research and Education**

http://www.ncpre.iitb.ac.in/

**IIT Bombay** 

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## How to register?

(Note: The fields marked with \* are mandatory)

- Enter <u>http://www.online.ncpre.iitb.ac.in/slotbooking/index.php</u> in the url.
- On the left side, click on Register.
- The registration form opens.
- Read the instructions mentioned at the top of the form.
- Fill the details in the form.
- Submit the form.
- After the form is submitted by user, the request is sent to Guide for approval.
- When Guide approves the request, it is sent to the Administrator (Ms. Diksha ma'am) for approval.
- After the administrator approves the request, the mail is sent to requestor for successful registration.

NATION राष्ट्रीय प	Monday 18th of PRE AL CENTRE FOR PHOTOVOLTAIC RESEARCH AND EDUCATION (NCPRE) কায় নৌল্টীয় अনुसंधान एवं शिक्षा কेল্দ্র dby Ministry of New and Renewable Energy, Government of India
NCPRE	SLOT BOOKING
	All fields marked with * are mandatory
Log in	If Your Guide is not listed here please ask him/her to Register.
Register	Once you get registered, Your guide and then the Admin(Diksha) has to approve you.You can login after you get a mail of approval. * Positions : Select Positions
	* Email address (this will be your login) :
Forgot password	* First Name :
Help	* Last Name :
	* Rollno/Emp code :
	* Date of Birth :
	* Department : Select Department
	* Supervisor : Select Supervisor
	Co-supervisor : Select Co-Supervisor
	* Project Id (First) :
	* Mobile : +91
	* Password :
	* Re-Enter Password :
	f2fod7
	* Validation code: Enter the code above here :
	Can't read the image? click here to refresh.           submit

## How to login?

- Enter email address as username.
- Enter password.
- Click on Login.

NCPRE NATIONAL CENTRE FOR PHOTOVOLTAIC RESEARCH AND EDUCATION (NCPRE) ব্যষ্ট্য যেকায় বাল্টখেয় ব্যন্তন্থায়ন খন্দ্র জিয়া কিন্দু -Supported by Ministry of New and Renewable Energy, Government of India	y 18th of September 2017 10:44:52 AM
Log in Register Forgot password Help Validation Code Enter the code above here : Can't read the image? dick here to refresh. Submit In case of any issue call to Priyanka of IT team on 4419/ Diksha Madam- 4475	Announcements

## How to become authorized user for a particular tool?

- Contact system owner of that tool and request him to grant you authorization.
- System Owner will make you authorized user for that system.
- Once you are an authorized user, you can book slot for that tool.

## How to book a slot?

			<b>FESEM</b> 29/10/2017 - 04/3	11/2017		Jump To Date :		
	Select R	esource : FESEM		<b>.</b>	My Past Reservations Other Past Reservations	My Reserv Other Reserv		Activated Blackout
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31-10-2017 17:32:31	00:00 00:30							
Bookings	01:00							
My Bookings	02:00							
All Bookings	02:30 03:00							
Cancelled Bookings	03:30 04:00							
My Devices	04:30							
Reports	05:00							
Profile	06:00 06:30							
Management	07:00							
Statistics	07:30							
Help	08:30							
Process Documents	09:00							

• After login, Click on My Bookings.

- On top of page you can see a list of names of the tools. Select a tool which you wish to book.
- On top of the page you will find these arrows:
- $\langle \rangle$ • You can use these arrows to select a date in previous or Next week. You can also click on Jump to Date to select a particular date.
- Select the column corresponding to the date you wish to book your slot on. Left click with your mouse on the box corresponding to your time for slot booking.

			FESEM 29/10/2017 - 04/			Jump To Date :		
	Select R	esource : FESEM		T	My Past Reservations Other Past Reservations	My Reserva Other Reser		Activated Blackout
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31-10-2017 17:49:50	00100			www.online.ncpre.ii	itb.ac.in/slotbooking/reservation	- 🗆 X		
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My Bookings	02:00				Details of Reservation			
	02:30							
All Bookings	03:00				User Name: Priyanka Bhole			
Cancelled Bookings	03:30			Equ	ipment Name : FESEM			
	04:00			Equipn	ment Location : NCPRE FSEM lab H	ill side, near		
My Devices	04:30				power house		_	
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- It will open the Reservation window.
- Select start and end time of booking of slot.
   (Note: End time should be more than the start time of the slot)
- Select "Self-Reservation" option.
- Select your supervisors name ------> Select project
- Write the summary and click on submit. Your booked slot will show up on the module.

## What is invited user?

- Invited users are those users who are not authorized on tool.
- Authorized user of the equipment can invite other user who is registered for slot booking.
- Authorized user while booking slot for that equipment can select name of registered user to whom he / she want to invite.
- That invited user can activate slot booked by authorized user, who has invited him for that respected slot.

## How to book a slot for invited user?

- Logon to slot booking module.
- Open Reservation window.
- Select start date and time and end date and time.
- Click on Invited User option.
- Select name of user to invite from dropdown.
- Select the corresponding Request Id from Equipment Usage request management system.
- Select Invited User's Supervisor Name (Pl check the correct name from the approval mail.)
- Select corresponding project code (Pl check the correct project code from the approval mail.)
- Write Summary of the experiment to be conducted or any other details related to experiment (Refer to the approval mail for the same).
- Click on Submit.
- The slot for Invited User gets booked.
- Mail will be sent to the user invited for the slot
- The slot will show up in the name of the invited user.
- The invited user can activate the slot. The usual rules for activation, deactivation, and cancellation of slots apply here too.
- If the slot is cancelled by the person booking the slot or by the invited user or the slot gets automatically cancelled, the approval process needs to be followed again to book a slot.

			FES 29/10/2017 -	04/11/2017	Jump To		
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01-11-2017 10:45:23	00:00			Details of Reserv	ation	A	
Bookings	01:00		_	User Name : Priyan			
My Bookings	01:30 02:00			Equipment Name : FESEM			
All Bookings	02:30 03:00			Equipment Location : NCPRE house	FSEM lab Hill side, near power		
Cancelled Bookings	03:30 04:00			Start Date Start Time	End Date End Time		
My Devices	04:30 05:00				/11/2017 07:30 ▼		
Reports Profile	05:30 06:00					-	
Management	06:30			Self Reservation Invited User	Blackout		
Statistics	07:30 08:00			Invited User Reserv			
Help	08:30			Select Invited User Name* : Priyar			
Process Documents	09:30			Select Equipment Usage Request ID* : Select			
	10:00 10:30			Select Supervisor Name* : Select	t Supervisor Name 🔻		
	11:00 11:30			Select Project Code* : Select	t Project Code 🔹		
	12:00 12:30						
	13:00 13:30			Summary*			
	14:00 14:30						
	15:00						

## What is activation of a slot?

Every tool has a certain activation time window of 10-15 minutes which means 10-15 mins before the start of slot to 10-15 minutes after the start of slot. The user needs to be in the lab where the tool is and activate the slot from specified machines in the lab. This is to ensure that the user is there in time to use his slot. If the slot is not activated within the activation time window, the slot is automatically cancelled. This is a violation.

For ex:-

If a user has a slot from 11-12 am and activation time is 15 mins then the activation time window for him on that tool is 10:45 - 11:15 am. To activate, right click on slot and click on activate.

## How to activate the slot?

- To use a tool it is necessary to activate the slot.
- The booked slot appears with user's name on slot booking.
- Right click on your booked slot Click Activate

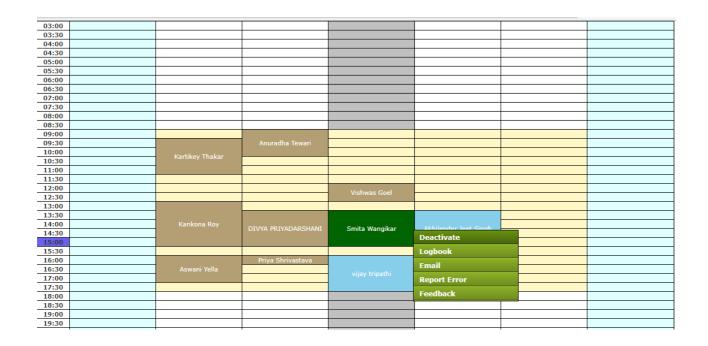


## How to deactivate an activated slot?

- Slot can be deactivated only if it has been activated.
- After completing the process on the tool, deactivate the slot.
- If activation and then deactivation is done before start time of slot is a violation.
- If a slot is not deactivated by the user, the slot gets deactivated automatically.

To deactivate the slot

• Right click on your booked slot -----> Click Deactivate



## How to report an error?

- Right click on your respective slot in My Bookings.
- Click on Report Error.
- It will open new window.
- Enter your error in given textbox.
- Click on Submit.

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15:00				Deactivate	
15:30				Logbook	
16:00		Priya Shrivastava			
16:30	Aswani Yella			Email	
17:00				Report Error	
17:30					
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## How to give feedback on your slot?

- Right click on your respective slot in My Bookings.
- Click on Feedback.
- It will open a new window.
- Enter your feedback in the given textbox.
- Click on Submit.

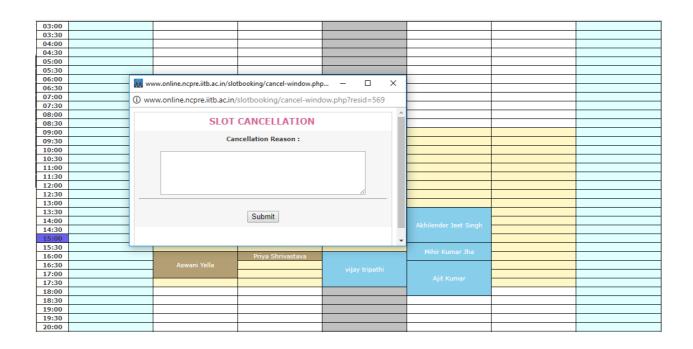
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## How to cancel a slot?

- A booked slot can be cancelled before the start time of the slot.
- Slot cannot be cancelled after activating the slot.
- On cancelling a slot user has to give the reason for cancelling a slot.
- A mail is sent to all authorized users of the tool about the cancelling a slot and the slot is available for use

#### To cancel the slot

• Right click on booked slot — Click Cancel



## Can a slot be extended before the start time?

- If user comes before his scheduled time of slot and finds that tool available for use and no other slot before his slot is there, then, he can activate his slot from that time also.
- User has a slot --11:00 12:00 am. If he finds the tool available for use from 10:00 am, so he can activate his slot from 10:00 am. His time would be counted from 10:00 am. A message will be shown "You are trying to activate the slot early and your slot will be extended".

## How to fill online logbook?

- The online logbook has to be filled by authorized users.
- Logbook option appears after user activates the slot.
- The logbook entries can be made after slot activation till 48 hours after slot end.
- After 48 hours users will be unable to fill/edit the logbook entries.

#### To fill logbook entries

- Right click on activated/past slot(if the time is less than 48 hours of slot end time) Click on Logbook
- The logbook form window opens.
- Fill in all the fields.
- Click Save.
- Logbook entries get saved.
- The logbook entries can be edited till 48 hours after slot end.
- Below the form last 10 logbook entries are shown.

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03:30						
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F	ESEM
() The logbook entries can be made af	ter slot activation till 48 hours after slot end.
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Ar Scom	
H2 Sccm	
N2O Scom	
N2 Sccm	
NH3 Sccm	
Temp (degree Centigrade)	
Time Min Sec	
Pressure MT	
RF Power Watt	
ICPRF Power Watt	
Substrate Holder Used	
Feedback ( RI Thickness Other)	
Remarks	
Logbook entries	found for this slot : 0
Add Ne	ew Cancel

## What is Blackout for a tool?

- If the tool is under maintenance and we don't want to give access to users for reservation of tool, the tool is set as blackout for that time period.
- By setting blackout time user is prohibited from making reservations on the tool.

## How to set a blackout for a tool?

#### (Note: Only admin and system owner can set blackout)

- Click on **Bookings** • My Bookings
- Select a tool from Resource Drop Down menu.
- Click on the day and time for which you want to set Blackout timing for the tool.
- The Reservation window will open.
- Select Start time and End time.
- Select "Blackout" option (Radio Button)
- Enter summary
- Click Submit
- An auto generated mail will be sent to all users regarding the marking of blackout timings for the tool.

	Select R	esource : FESEM	FESEM 29/10/2017 - 04	-	My Past Reservations	Jump To Date	vations	Activated
	Derectin				Other Past Reservations	5 Other Rese	rvations	Blackout
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All Bookings	03:00				User Name: Priyanka Bhol	e		
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Process Documents	08:30 09:00			Self Reservation	Blackout	Blackout		
	09:30 10:00				Біаской			
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	11:30 12:00		Neha Mahuli					
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	14:30		Prasit Dutta		submit			

## How to view Bookings?

Bookings
My Bookings
• All Bookings
• Cancelled Bookings
My Devices
Reports
Profile
Management
Statistics
Uala
Help

#### **My Bookings**

- On the left panel Click **My Bookings** under **Bookings** menu.
- Select your resource name from drop down.
- You can see only the slots booked by you for that particular tool.
- You can use arrow for previous and next week or use jump to date.

#### **All Bookings**

- On the left panel Click **My Bookings** under **Bookings** menu.
- Select your resource name from drop down.
- You can see all slots booked by all users for that tool
- You can use arrow for previous and next week or use jump to date.

## What is allowed break time?

- Every tool has an inactivity period, marked in number of days.
- For example, suppose the inactivity period for a tool is 100 days, which means if you have not used the tool for 100 days or more, it is assumed that you need to take permission from system owner again to use the tool and your authorization for the tool is automatically cancelled.

## How to view the error reports?

- On the left panel Click on **Errors** under **Reports** menu.
- The list of error reports is displayed. It is a list of errors that are reported by users that occurred on tool while performing experiments.
- To see tool wise → select tool name → Select start and end date Click Search.

		S A Fi 2	Select From Date Select To Date										
Welcome Priyanka Bhole Logout		Error Report											
01-11-2017 10:16:08		Email Id	Machine Name	Date	Error Details								
Bookings	Ashok Kumar Sharma	anamics.ak@iitb.ac.in	Sensovation Camera ( For EL & PL on Solar Cells)	09/10/2017	typos error								
Reports													
Errors													
🗈 Logbook													
Profile													
Management													
Statistics													
Help													
Process Documents													
	Copyright © 20	17 NCPRE, IIT Bombay	. All Rights Reserved. Release	d on August 19	), 2017 Version 2.0								

## How to see the logbook entries?

#### To view the logbook entries

- On left panel Click Reports tab Click Logbook
- Select the tool name.
- Select From and To date.
- Click Search.
- All the logbook entries for a particular period will be displayed.

NCPRE	Select Tool N								n Camera (For El	of Solar Modu	iles) : NC	PRE Mod	ıle Lab-1		ct From ct To D
Welcome Priyanka Bhole Logout         Logbook Entry (Offline Tools)           01-11-2017 10:42:22         Download Logbook   FESEM : 01-01-2017 To 01-11-2017															
Bookings Reports	User Details	Slot Time	Datetime	Session Operators	Summary	Guide	Project	Baseline Run	Type Of Deposition	Substrate Used		Ar Sccm	H2 Sccm	N2O Sccm	N2 Scci
Cogbook Profile Management Statistics Help Process Documents	Smita Wangikar IAP User Electrical Engineering	01-11- 2017 10:30:00 01-11- 2017 12:00:00	30-10-2017 11:19:37	Thirmaliah Narukuti	Dear Smita Wangikar, FESEM slot (NCPRE) (ID. 00554) booked on 01-11-17, 10.40 am to 12.00 pm, please bring the CD for data we will not keep the data for a long time. N Thirmaliah Intercom no- 4871 FESEM Lab (NCPRE) IIT Bombay	SURYANARAYANA DOOLLA	12IN001								
	Purnendu Vartikav	01-11- 2017			Dear Purnendu Kartukay, FESEM slot (NCPRE) (ID. 00616) booked on 01-11-17, 09.10 am to										

## How to edit profile and change password?

#### To edit the profile

• On left panel ——— Click Edit Profile tab Edit you profile —— Click Submit.

	E	dit Member Profile
Bookings	all fields ma	arked with * are mandatory
Reports	* Email address (this will be your login) :	priyankapb@ee.iitb.ac.in
Profile	= First Name :	Priyanka
Change Password	= Last Name :	Bhole
Edit Profile	Rollno/Emp code :	P15430
Management	= Date of birth :	10-19-1990
Statistics	* Department :	Electrical Engineering
	= Positions :	Project Staff
Help	= Supervisor :	NCPRE •
Process Documents	Co-supervisor (if any) :	Select Co-Supervisor
	* Project Id (First) :	10MNRE001
	Research Areas	Selected Research Areas
	*	>> ×
		<<
	CEN :	None
	INUP :	None •
	NCPRE :	None •
	Website :	
	* Mobile :	+91 9405728510

#### To change the password

• On left panel — Click Change Password tab — Change the password.

Welcome Priyanka Bhole Logout	Reset Password
01-11-2017 10:48:30	Old password :
Bookings	New password :
Reports	Confirmed new password :
Profile	submit
Change Password     Edit Profile	
Management Statistics	
Help	
Process Documents	
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## How to view resources and their details?

- On left panel → Click "Management" → Click "Resources"
- The list of all tools is displayed with their System Owners and Operators name.
- To view the details of the tool, click on tool name.
- Admin can edit the details of all tools.

NCPRE													
Welcome Priyanka Bhole Logout	Manage Resources												
01-11-2017 10:59:08	Resource Name	Category	System Owners	Operators	Faculty In Charge	Miscellaneous Files	Lab Phone no	Edit permission					
Bookings Reports	Scanning Electron Microscope Micro 1 Lab (Ground Floor, Electrcal Annex Building)	clean					4404						
Profile Management	Multi I-V Curve Tracer (Daystar) Nano E building top floor	clean	Shashwata Chattopadhyay				4871						
Resources	Adhesion Tester NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489						
Past Resources     Statistics	In-house solar simulator NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489						
Help	Laser Doping Tool NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489						
Process Documents	Lifetime Characterization and Suns Voc Measurement System NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489						
	Nova Simulator NCPRE Char lab (3rd Floor, NanoE Building)	clean			Aswani Yella		4489						
	Quantum Efficiency Measurement System NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489						
	SAN four probe system NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489						

## How to view past resources?

• On left panel → Click "Management" → Click "Resources"

Welcome Priyanka Bhole			Past Reso	urces		
Logout 01-11-2017 10:59:44	Resource Name	Category	System Owners	Operators	Faculty In Charge	Location
Bookings			No Resources	Found		
Reports						
Profile						
Management						
Resources						
Past Resources						
Statistics						
Help						
Process Documents						
	Copyright © 20	17 NCPRE, IIT Bombay.	All Rights Reserved. Released or	n August 19, 2017 Version	2.0	

#### How to give system ownership to other users for a tool? (Note: Only admin and system owner can give authorization to user)

- Admin has the authority on all tools and can give authorization to user on any tool.
- On the left panel  $\longrightarrow$  Click "Management"  $\longrightarrow$  Click "Resource".
- Resource list will open.
- Click on the *icon* against the tool name under "Edit Permission" column.
- You will see users list.
- Check the checkbox given in front of the user to whom you want to give authorization.

Search By :- Select One 🔻

## SCANNING ELECTRON MICROSCOPE

Submit

User Name	Email	Allow System owner	Allow User
Aastha Suman	aastha@iitb.ac.in		
Adani Solar	ncpre.industry8@yahoo.com		
Aftab Alam	aftab@iitb.ac.in		
Ajit Kumar	154174002@iitb.ac.in		
Ajit Singh Kuri	164120016@iitb.ac.in		
Akash Kumar	144170001@iitb.ac.in		
Akhilender Jeet Singh	15I170014@iitb.ac.in		
Akshay Modi	akshaymodi@iitb.ac.in		
Aldrin Antony	aldrinantony@iitb.ac.in		
Allam Akshaykranth	akshaykranth417@gmail.com		
Aman Chaudhari	154124001@iitb.ac.in		
Amartya Mukhopadhyay	amartya_mukhopadhyay@iitb.ac.in		
AMAT Industry	ncpre.industry1@yahoo.com		
Amlan Roy	14i170011@iitb.ac.in		
Ananta sarkar	ananta@iitb.ac.in		
Anil Kottantharayil	anilkg@ee.iitb.ac.in		
Anil Kumar	anilkumar@iitb.ac.in		
Anirudh Salian	p14414@iitb.ac.in		
Anishraj K	p16572@iitb.ac.in		
Ankitha Bangera	kitha Bangera ankitha_bangera@iitb.ac.in		

#### How to edit the resource details? (Note: Only admin and system owner of that tool can edit the details)

- On the left panel  $\longrightarrow$  Click Management  $\longrightarrow$  Click Resource.
- Manage Resource table opens.
- Click on the tool name.
- Tool details will open.
- Edit the information.
- To upload SOP, Policy document, Recipes, Glimpse, click Browse, select location and upload. (Only pdf, zip, rar files are allowed)
- Click Submit.

Welcome Priyanka Bhole		Resource Details	
Logout You Are Admin 21-09-2017 15:24:34	Equipment name * :	Scanning Electron Microscope	Authorised Users List
Bookings	Category :	Clean	
My Bookings	System Owners :		
	Operator Name 1 :	Select Operator 1	
All Bookings	Operator Name 2 :	Select Operator 2	
Cancelled Bookings	Operator Name 3 :	Select Operator 3	
Reports Accounting	Faculty In-Charge :	Select Faculty In-Charge	
Profile	Equipment Make/ Model :	Zeiss/ EVO 18	
Management		Scanning electron microscope	
Downloads	Facility of the second s	for imaging	
Lab Status	Equipment Information :		
Statistics			
Announcements	Equipment Serial No. :		
Help	AMC Required :	Yes T	
Process Documents	Equipment Local Agent :		
	Equipment Local Agent Contact :		

#### How to set weekly usage limit of a tool for users? (Note: Only admin and system owner has the permission)

- Weekly usage limit is the maximum time limit in a week till which a user can use a tool.
- On the left panel  $\longrightarrow$  Click "Management"  $\longrightarrow$  Click "Resource".
- Manage Resource table opens.
- Click on the Weekly Limit link given in front of the tool.

NCPRE													
Welcome Priyanka Bhole Logout	Manage Resources												
You Are Admin 21-09-2017 15:26:21	Resource Name	Category	System Owners	Operators	Faculty In Charge	Miscellaneous Files	Lab Phone no	Edit permission	Weekly Limit				
Bookings	Scanning Electron Microscope Micro 1 Lab (Ground Floor, Electrcal Annex Building)	clean					4404		×				
<ul> <li>My Bookings</li> <li>All Bookings</li> </ul>	Multi I-V Curve Tracer (Daystar) Nano E building top floor	clean	Shashwata Chattopadhyay				4871		×				
Cancelled Bookings	Adhesion Tester NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489	<u>.</u>	×				
Reports Accounting	In-house solar simulator NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489		×				
Profile	Laser Doping Tool NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489		Ж				
Management Downloads Lab Status	Lifetime Characterization and Suns Voc Measurement System NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489	<b>A</b>	ж				
Statistics	Nova Simulator NCPRE Char lab (3rd Floor, NanoE Building)	clean			Aswani Yella		4489		ж				
Announcements Help	Quantum Efficiency Measurement System NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489	£	×				
Process Documents	SAN four probe system NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489	£	ж				
	Solar I-V Measurement System NCPRE Char lab (3rd Floor, NanoE Building)	clean					4489		×				

• Fill the weekly usage limit for the positions and click **Insert.** You can set weekly usage from 1 to 168 hours.

Welcome Priyanka Bhole	Scanning Electron Microscope							
Logout You Are Admin	Weekly Usage can be 1 to 168 Hours.							
21-09-2017 15:27:03	Positions Weekly Usage (Hours)							
Bookings	B.Tech							
My Bookings	Faculty							
All Bookings								
Cancelled Bookings	IAP User							
Reports	Industry User							
Accounting								
Profile	INUP							
Management	M.Tech							
Downloads								
Lab Status	M.Tech RA							
Statistics								
Announcements Help	MSc Integrated							
Process Documents	Ph.D							
	Project Staff							
	Insert							

## How to view the details of users and reservations?

- On left panel Click Statistics Click At a Glance
- The details of users and reservations are displayed.



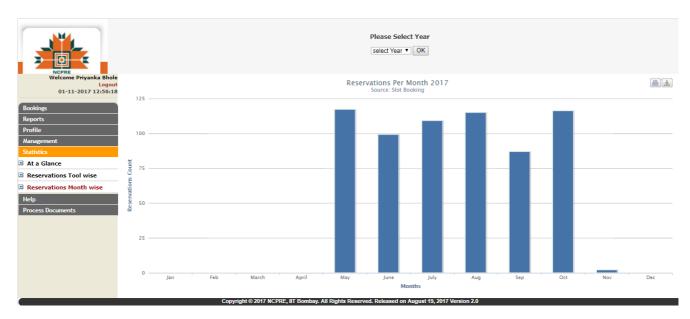
#### To see reservations tool wise

- Select **From** and **To** date and click on **"Go"** button.

NCPRE Webcome Priyanka Bhole					То	Select Fi Select To	Date Go	- 01 11								
Bookings	from 03-05-2017 to 01-11-2017 Reservations Per Device Source: Slot Booking															
Reports Profile Management Statistics	Sensovation Camera (For EL of Solar Modules)	10											F	Reservation	15	
At a Glance	FESEM															372
Reservations Tool wise	1 Colore															572
Reservations Month wise Help Process Documents	Vacuum System			48												
	2 Inch Phosphorus Diffusion.oxidation Furnace	14														
	Fume Hood		37													
	SES Four Probe	8														

#### To see reservations month wise

- On left panel Click Statistics Click Reservations Month wise
- Month wise graph will display.



## How to logout?

• On the top left -----> Click Logout

