Equipment/ Facility/ Process Troubleshooting

http://cen.iitb.ac.in/equipment_troubleshooting/

IIT Bombay Nanofabrication Facility (IITBNF)

http://iitbnf.iitb.ac.in/

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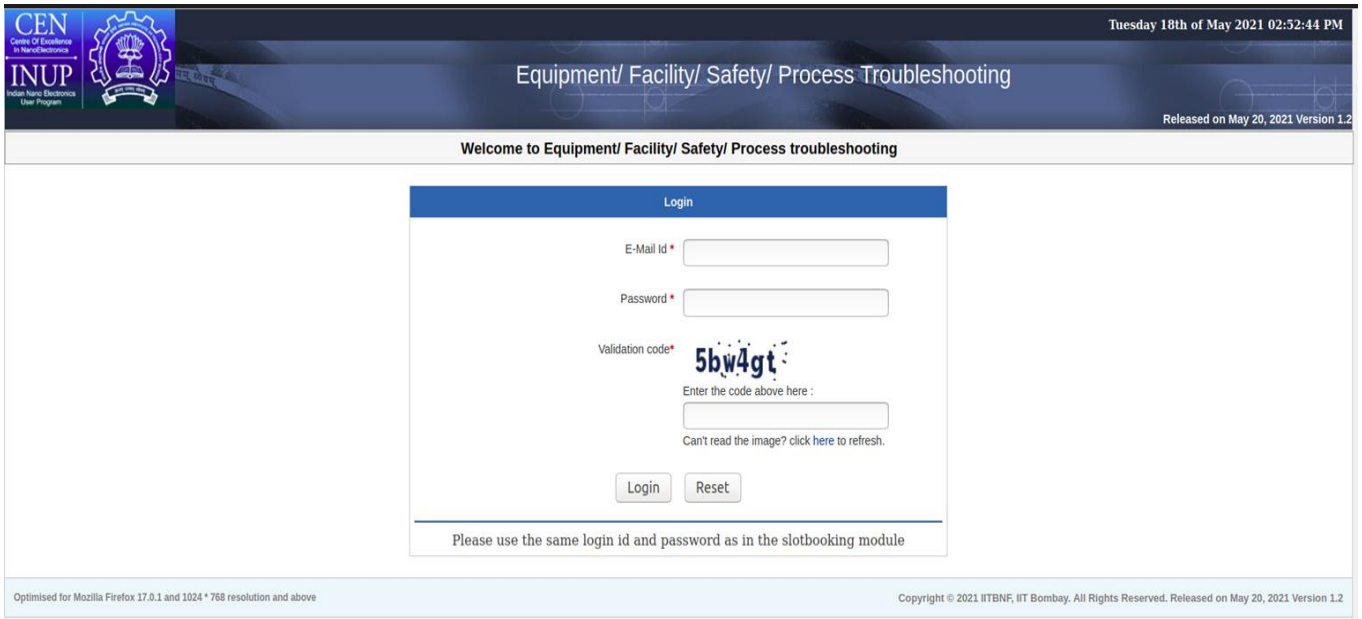
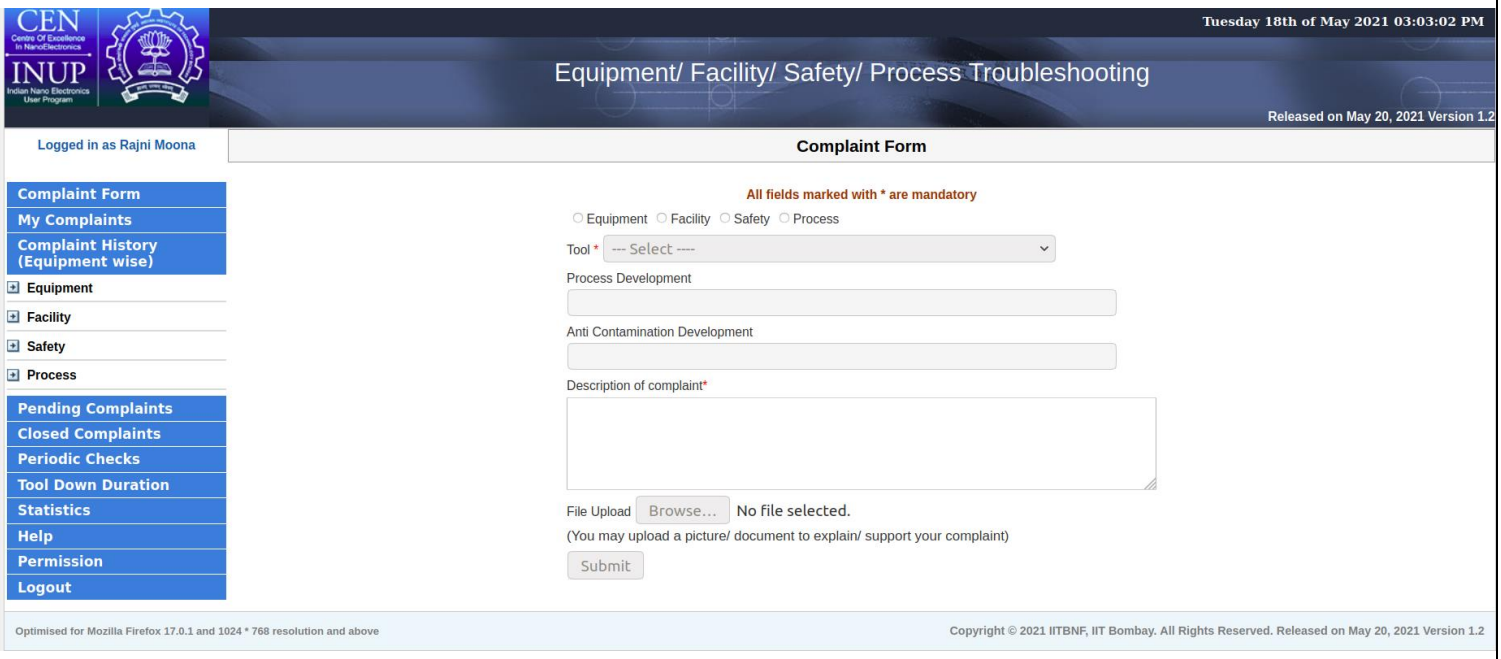
How to login?

- Open URL http://cen.iitb.ac.in/equipment_troubleshooting/
- Enter email address as username (The same username and password that you use for slot booking module)
- Enter password
- Click on **Login**



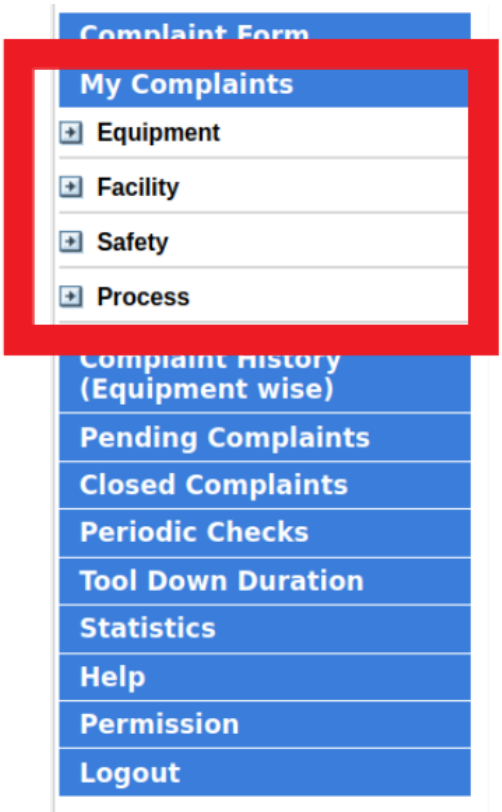
How to fill the complaint form?

- You can make complaint related to Equipment, Facility, Safety or Process.
- To fill the complaint form, in the left panel click on > **"Complaint Form"**
- For equipment/facility/safety/process related complaints, make sure to select the correct option from "**Equipment/Facility/Safety/Process Related**" respectively.
- Write description of complaint and you may upload complaint related file (picture/ document) to support your complaint.



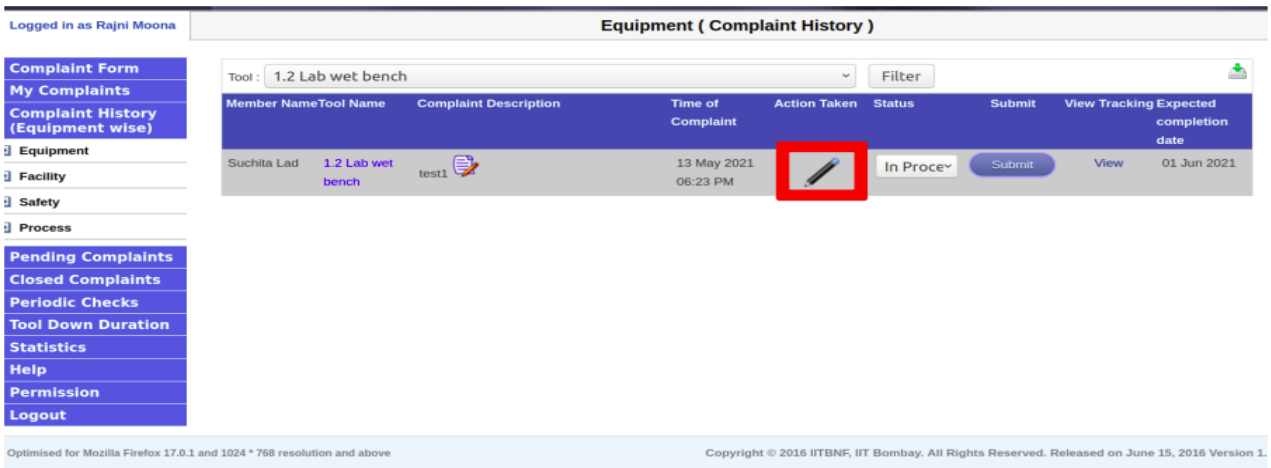
How to view your complaints?

- To view the status of your complaint, click on **"My Complaints"**
- Click on category of complaint which you want to view the comment - "Equipment, Facility, Safety, Process"
- Under these categories, you can view your complaint details.

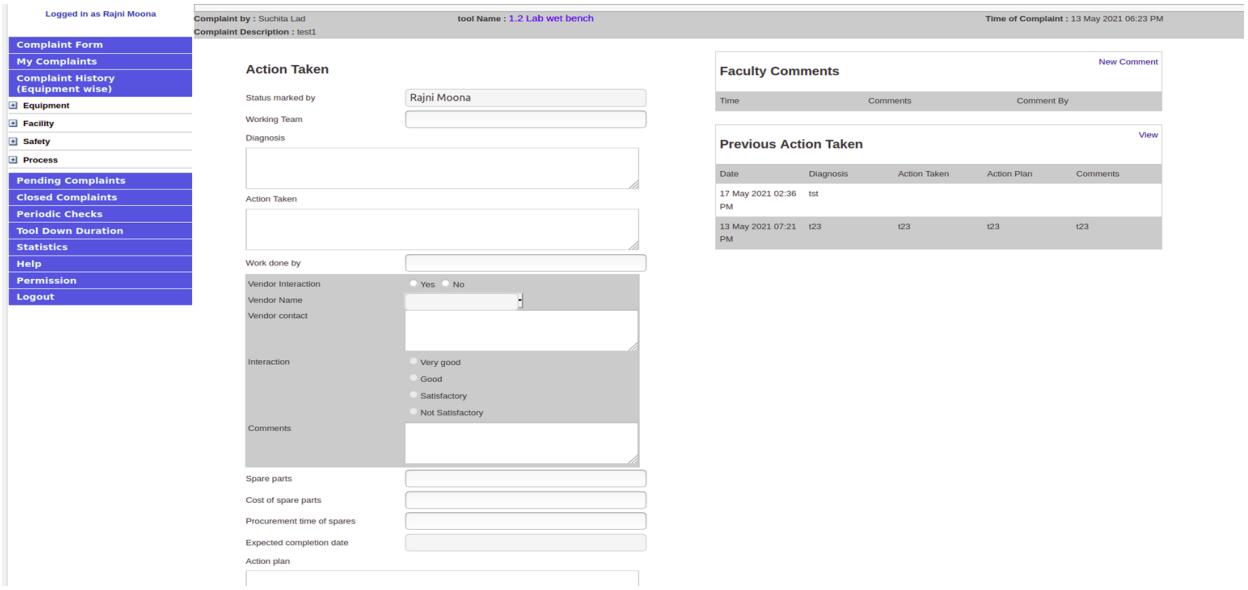


How to view Complaint History?

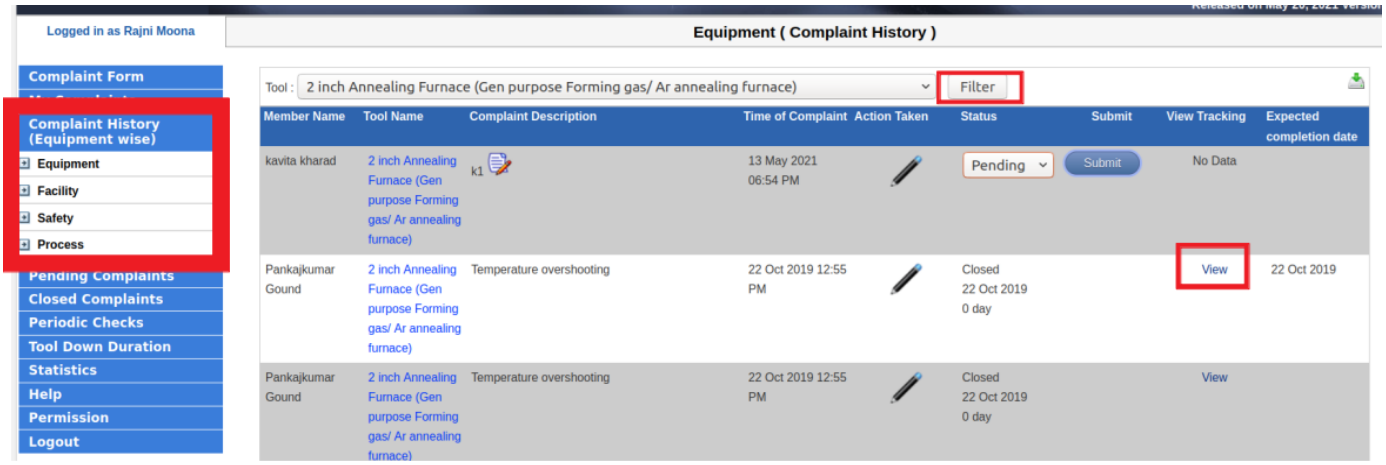
- To view the history of complaints of particular tool select tool name from dropdown and click on "Filter" button. The complaint history for that equipment will be displayed.



- If logged in as admin/ITadmin to edit, click on in Action Taken column against the complaint.



- To change the status, select from dropdown available in status column against the complaint and click submit button.
- To download complaint list of particular type (equipment/facility/safety/process) click on button at the top right corner of table.
- Likewise you can edit, change status and download complaint history list for facility, safety, process.



- To view the tracking details of complaint, click on "View" link against the complaint.

View Tracking

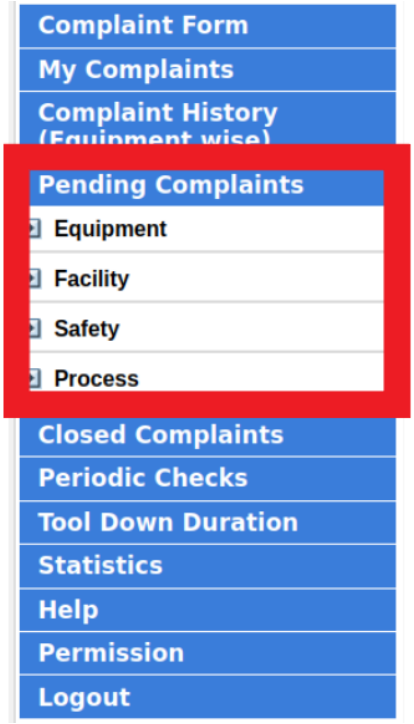
Complaint by : Anjum Ahmed **Tool Name :** 4 probe Measurement (Automatic) **Time of Complaint :** 25 Jul 2018 12:53 PM
Complaint Description : For all samples result is showing as over scale.

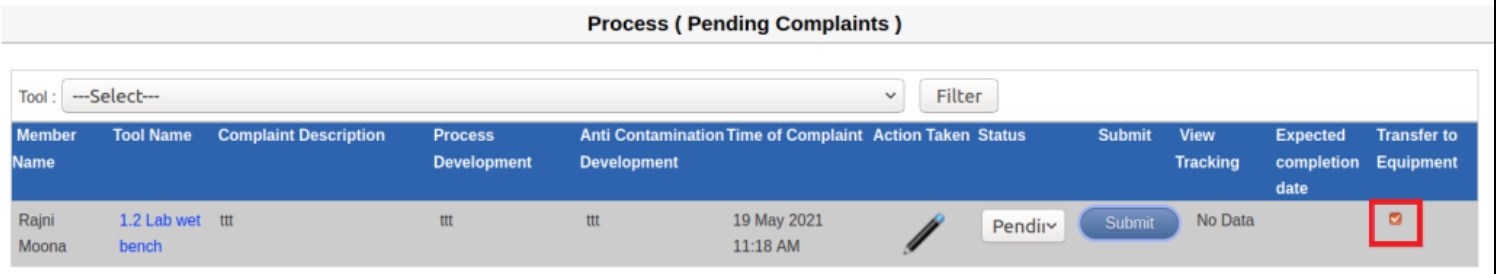
Status marked by	Working Team & work done by	Diagnosis	Action Taken	Vendor info	Vendor comments	Spare parts & Cost	Procurement time of spares	Expected completion date	Action plan	Comments
Pradeep Nyaupane 06 Aug 2018 09:34 AM	EMT Sushil		Replaced Probe head with another spare one (1 mm 40 Micron) and checked it is working fine. Issue resolved.							System is up for usage.
Pradeep Nyaupane 01 Aug 2018 10:38 AM	EMT		Probe head cleaning has been done. But issue is persist. \r\nEmail has been sent to OEM for support.							
Pradeep Nyaupane 26 Jul 2018 10:18 AM	EMT Sushil		EMT will work on this on 26th July 2018.							

Activate Windows
Go to Settings to activate Windows

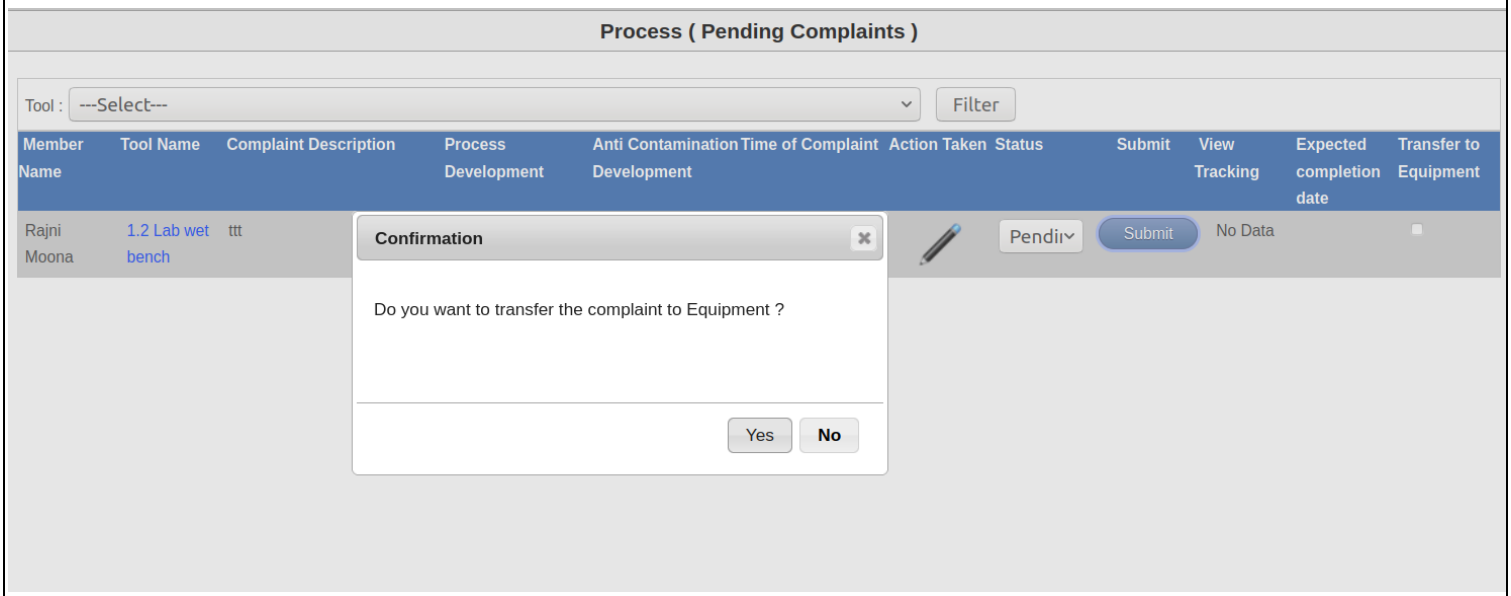
How to view pending complaints for equipment, facility, safety and process?

- In the left panel click on **"Pending Complaints"**
- To view pending complaints of equipment, click on **"Pending Complaints"** > **"Equipment/Facility/Safety/Process"**.
- The complaints related to **Equipment/Facility/Safety/Process** will be displayed. You can filter the complaints toolwise.
- To view the process complaints, select tool name from dropdown list and click on "Filter" button.





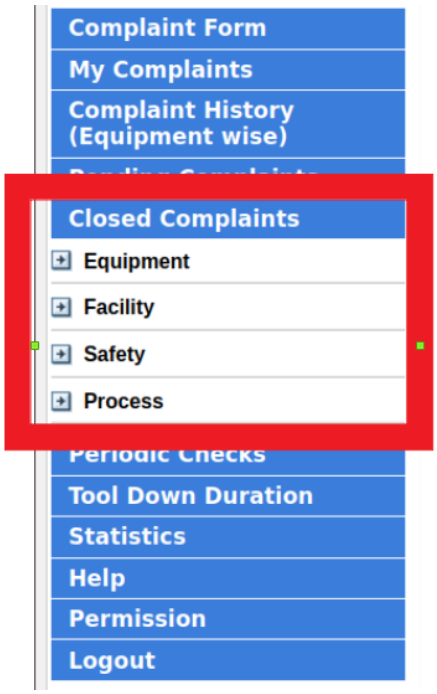
- Likewise you can view the equipment, facility and safety complaints.
- If logged in as admin/ITadmin/with editing permission for process, you can transfer complaint to equipment type by clicking on checkbox in “Transfer to Equipment” column against the complaint.
- This opens a confirmation dialogue box.



- This checkbox is enabled to only process of Pending complaints. It disabled for process of Complaint History & Closed Complaints
- Similarly like equipment if logged in as admin/ITadmin/editing rights for whichever, you can edit, change status and download pending complaint list for facility, safety and process.

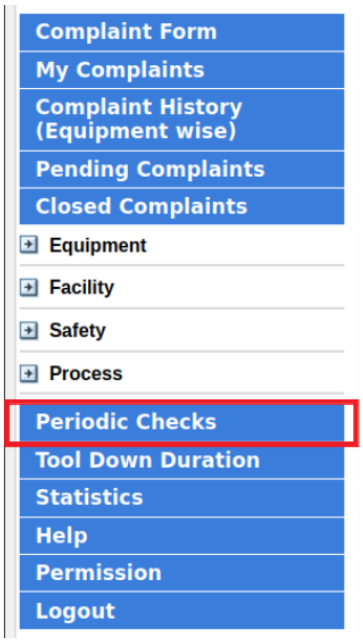
How to view closed complaints for equipment, facility, safety and process?

- Closed complaint means the issue is resolved.
- To view the list of closed complaints, in the left panel click on **"Closed Complaints"**

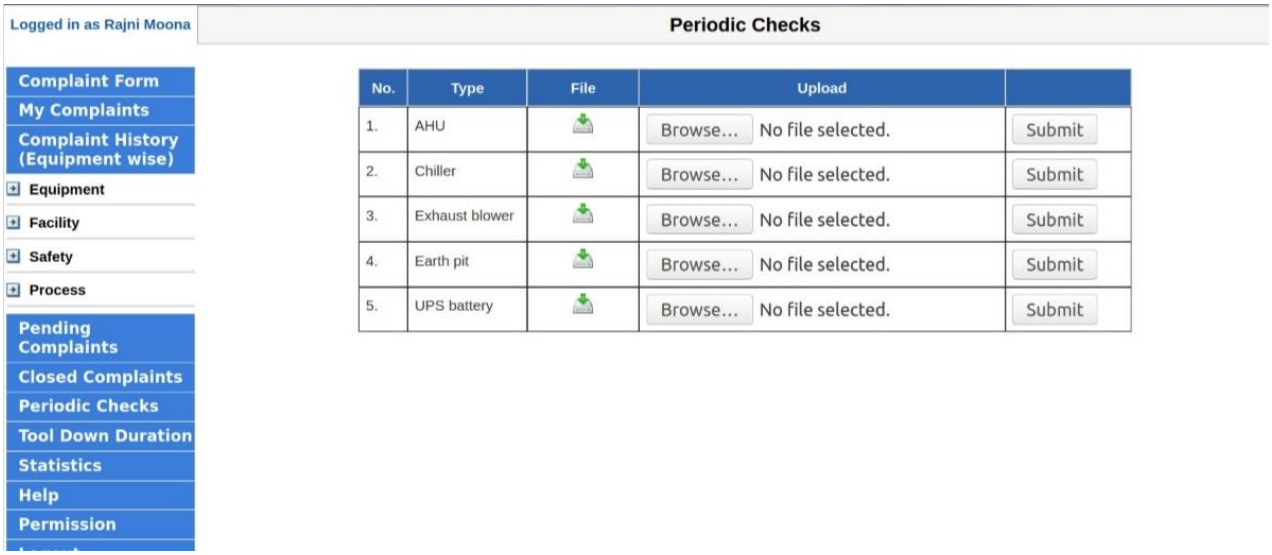


- To view closed complaints of equipment, in left panel click on **"Closed Complaints"**> click on **"Equipment".**
- The equipment complaints will show up, you can filter the complaints equipment wise.
- Likewise, you can view the facility, safety and process complaints.

How to view periodic checks documents for Facility?



- To view the periodic checks documents, from the left panel click on **"Periodic Checks"**
- Checking report of AHU, Chiller, Exhaust blower, Earthpit and UPS battery are uploaded in every 4 months under the "Periodic Check" option.
- To view the document (checklist), click on this icon under the "File" column; the file will download in excel sheet format.



- If logged in as admin/ITadmin/editing rights as facility member you can upload file of ‘xlsx’ extension, click on Browser button and click submit.

Periodic checks type’s description:

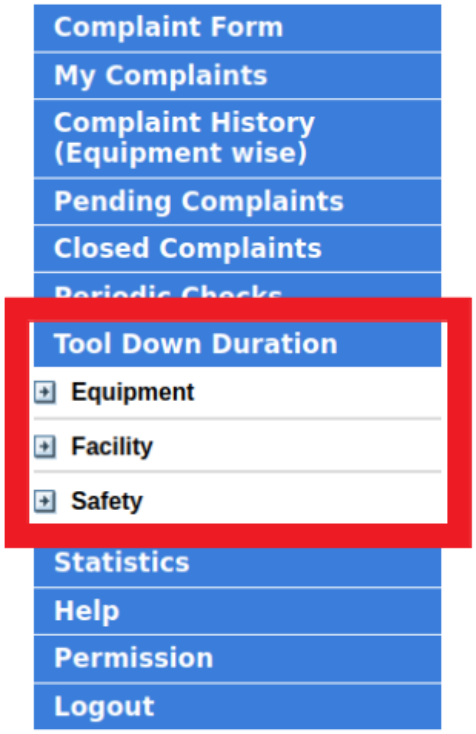
- **AHU: Electrical** reading of compressor, low pressure and high pressure reading of outdoor. This reading is taken during pm work.
- **Chiller**: LP HP reading of condenser unit along with electrical reading of pump and condenser unit.
- **Earth pit:** pit reading are taken every month to maintain the spec
- **Battery ups:** battery reading are taken every month to view the health check
- **Exhaust:** CFM reading are taken every month once

Periodic Checks

No.	Type	File
1.	AHU	
2.	Chiller	
3.	Exhaust blower	
4.	Earth pit	
5.	UPS battery	

How to View Tool Down Duration?

- You can view the tool down duration of equipment and facility.
- Tool down duration shows the down time duration of equipment.
- To view the tool down duration, in the left panel > click **"Tool Down Duration"**
- To view the tool down duration of equipment, in the left panel click on **"Tool Down Duration" >"Equipment"**



Tool Down Duration : 18 May 2021

Sr. No	Tool Name	Tracking View	Down Since	Expected completion date	Duration
1	Plasma Immersion Ion Implantation (PIII)	View	23 Jun 2017 12:11 PM	15 Dec 2017	> 6 months
2	ICPRIE (New)	View	30 Jun 2017 10:39 AM	30 Apr 2020	> 6 months
3	Atmospheric Furnace_AMAT CLEAN Lab	View	18 Oct 2019 10:28 AM		> 6 months
4	Contact Angle Instrument (GBX)	View	18 Oct 2019 10:32 AM		> 6 months
5	Inductively coupled plasma CVD (ICPCVD)	View	12 Feb 2020 02:46 PM	20 Jan 2021	> 6 months
6	Sputter (ATC 2200)	View	06 Oct 2020 07:55 PM	12 Mar 2021	> 6 months
7	ALD	View	22 Oct 2020 11:13 PM		> 6 months
8	Parylene CVD – SCS	View	29 Oct 2020 01:35 PM	15 Dec 2020	> 6 months
9	4 target E-beam evaporator	View	25 Nov 2020 11:16 AM	11 Dec 2020	>1 month < 6 months
10	LPCVD Furnace_PolySi, Doped PolySi	View	26 Nov 2020 01:04 PM		>1 month < 6 months

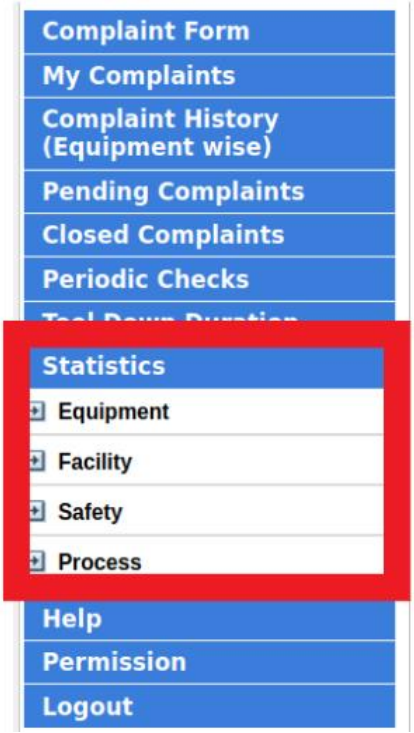
- To view the tool down duration of facility, in the left panel click on **"Tool Down Duration" >"Facility"**

Tool Down Duration : 18 May 2021

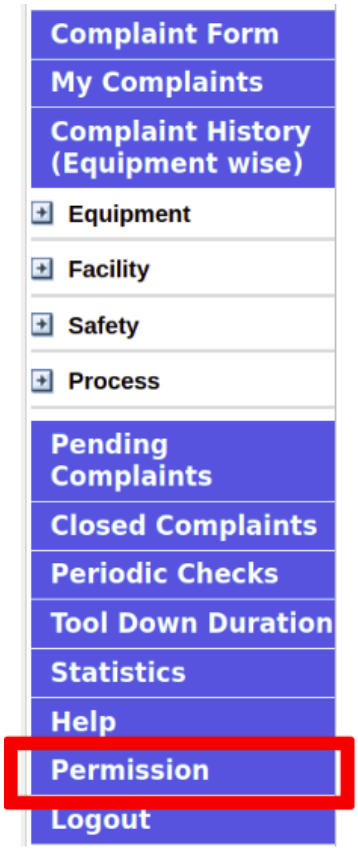
Sr. No	Tool Name	Tracking View	Down Since	Expected completion date	Duration
1	NBUPS1-300KVA-MBE Clean Room 1, 2 (NanoE bldg, Gr floor), Nanoelectronics Processing Lab (NanoE bldg, 1st floor)	No Data	17 Feb 2021 01:24 PM		>1 month < 6 months
2	NBUPS2-300KVA-Applied Quantum Mechanics Lab 1, Bio Sensors Lab, Clean lab -AMAT(NanoE bldg, 7th floor)	No Data	17 Feb 2021 01:24 PM		>1 month < 6 months
3	NBUPS1-300KVA-MBE Clean Room 1, 2 (NanoE bldg, Gr floor), Nanoelectronics Processing Lab (NanoE bldg, 1st floor)	View	21 Apr 2021 09:05 AM	30 Apr 2021	> week < 1 month
4	1st Flr(Store)/SAC/1	View	13 May 2021 06:24 PM		Current Week
5	3.1(NCPRE)/SAC/1	No Data	13 May 2021 06:54 PM		Current Week
6	3.1(NCPRE)/SAC/2	No Data	17 May 2021 08:36 AM		Current Week

How to view the statistics of complaints logged?

- You can view the statistics of equipment and facility.
- You can view the complaint status of equipment/facility.
- To view the equipment statistics, in the left panel click on **"Statistics" >"Equipment"**
- To view the facility statistics, in the left panel click on**"Statistics">"Facility"**
- Likewise you can view the safety and process statistics.



How to give edit permission?



- If logged in as admin/ITadmin in the left panel click on "**Permission**".
- Select member name from the drop down in right panel.
- Click on check box to assign permission to particular type(equipment/facility/safety/process) and click on submit button at the bottom of the page.
- The expired member id is shown in yellow color.
- To delete any member id click on "X" against particular id.

How to logout?

- To logout, in the left panel click on **"Logout"**