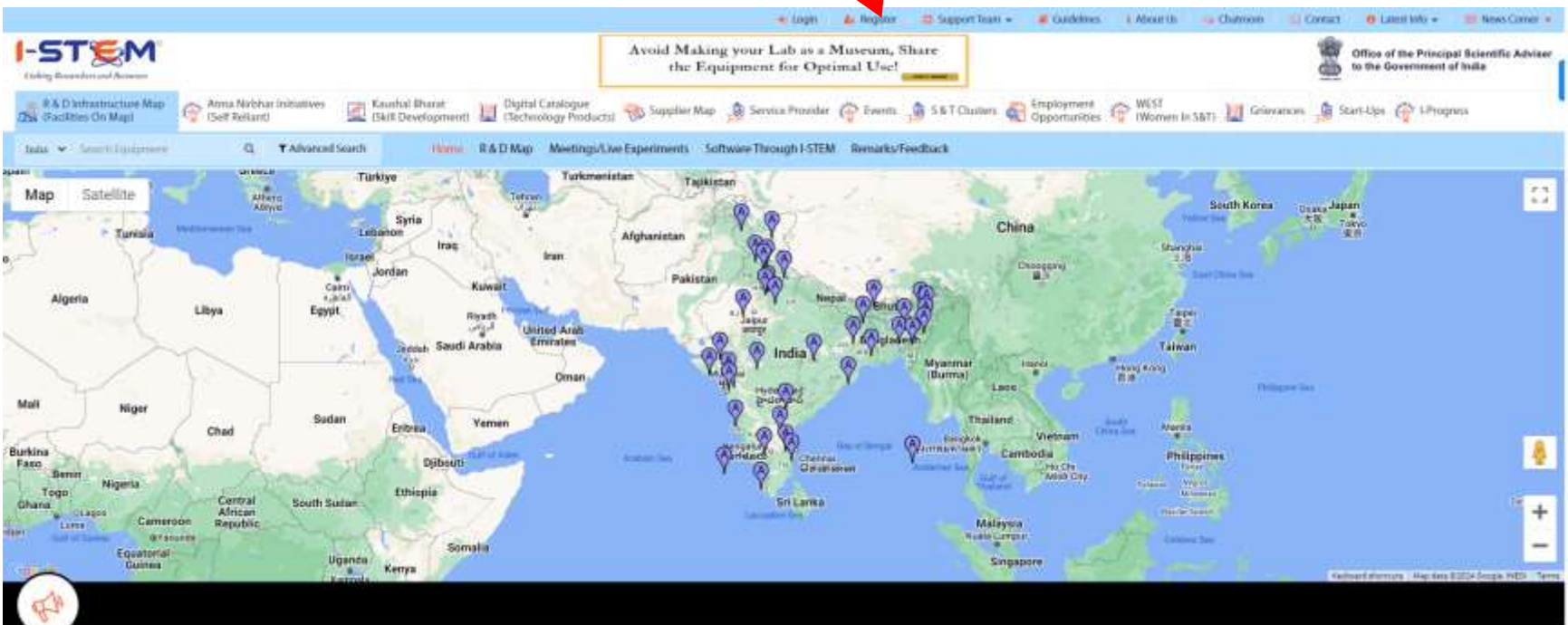


Please click on the following link to access the iSTEM Portal:
<https://www.istem.gov.in/>. Once you are on the portal, please proceed to the "Register" tab.



Please select your organization and click 'proceed' to move onto the next step.



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I-STEM
Linking Researchers and Resources


Looking for expert guidance?
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Office of the Principal Scientific Adviser
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102946 **QUICK LINKS**


Institution/Resources Registration


Researcher/User Registration


Supplier/Service Registration

Already have an account ? [Sign in](#) There is No registration fee for Institution/Resources, Researcher/User and Supplier/Service.

Note: The data used for registration to the portal will not be shared with any agencies without prior approval/permission from individual organisations/companies/users.



Now, please fill out your registration form accurately and scroll down to submit it.



R & D Infrastructure Map (Facilities On Map) Aima Nirbhar Initiatives (Self Reliant) Kaushal Bharat (Skill Development) Digital Catalogue (Technology Products) Supplier Map Service Provider Events S & T Clusters Employment Opportunities WEST (Women In S&T) Grievances Start-Ups I-Progress

I-STEM Registration

User Registration Form

Personal Information

Name*
Mr. First Name Last Name Gender* Male Email ID* Email ID

Mobile No.* 91 Mobile No. Validate Department Designation Department Designation

Aadhaar No. Aadhaar

Address* Address

Country* India State* Karnataka City* City

Pin code/Zip code Pin code/Zip code

Other Details Information

Alternate Contact No. Alternate Contact No. Phone No.(Office) Phone No.(Office) Optional Email Optional Email

Facebook ID Facebook ID Profile Page Link Profile Page Link Whatsapp No. Whatsapp No.

Twitter ID Twitter ID LinkedIn ID LinkedIn ID Skype ID Skype ID



Please indicate your department selection. If you are a student from IIT Delhi, please choose the appropriate option (Internal but different department/lab). After submission, please wait for the approval email.



[R & D Infrastructure Map \(Facilities On Map\)](#) [Atma Nirbhar Initiatives \(Self-Reliant\)](#) [Kaushal Bharat \(Skill Development\)](#) [Digital Catalogue \(Technology Products\)](#) [Supplier Map](#) [Service Provider](#) [Events](#) [S & T Clusters](#) [Employment Opportunities](#) [WEST \(Women In S&T\)](#) [Grievances](#) [Start-Ups](#) [I-Progress](#)

Pin code/Zip code

Other Details Information

Alternate Contact No. <input type="text"/>	Phone No./Office <input type="text"/>	Optional Email <input type="text"/>
Facebook ID <input type="text"/>	Profile Page link <input type="text"/>	Whatsapp No. <input type="text"/>
Twitter ID <input type="text"/>	LinkedIn ID <input type="text"/>	Skype ID <input type="text"/>
GSTIN <input type="text"/>	Permanent Account Number(PAN) <input type="text"/>	Tax Deduction Account Number(TAN) <input type="text"/>

Academic Information

User Type*
International User

Institution*
--Select Institution--

Note: If you are not able to find your institution, kindly request your Director/Principal/Registrar/Head of institution to register at [Click Here](#) and also write to us at nodal@conslstem.co.in

Research Area

Captcha

Guidelines

After successful registration proceed for booking.
Simply search "Sathi_IITDelhi" and access the website by following this link:
<https://sathi.iitd.ac.in/Home.html> for booking.



The screenshot shows the homepage of the Sophisticated Analytical & Technical Help Institutes (SATHI) at the Indian Institute of Technology Delhi. The header features the SATHI logo on the left, the text "Sophisticated Analytical & Technical Help Institutes (SATHI) Indian Institute of Technology Delhi" in the center, and social media icons for Facebook, Instagram, YouTube, Twitter, and LinkedIn on the right. Below the header is a navigation menu with links for HOME, ABOUT, FACILITIES, OUTREACH, BOOKING, PUBLICATIONS, CRF, PEOPLE, and CONTACT. The main content area includes a text block on the left describing SATHI's mission and a photograph on the right showing a person in a lab coat working with a 3D printer. Below the text block, there is a section titled "One-Day Training Program on CNC integrated Hybrid Metal 3D Printer". At the bottom of the page, there is a blue button with the text "Instruments under SATHI IITD".

Sophisticated Analytical and Technical Help Institutes (SATHI) Foundation IIT Delhi is supported by the Department of Science & Technology (DST), Government of India. The SATHI mainly aims to create high-end equipment and research infrastructure required to cater to start-ups, manufacturing units, Industries, R&D Labs and academics service in research, testing, manufacturing, and fabrication. Along with providing easy access to scientific equipment and research infrastructure, SATHI also focuses on capacity building of scientific & technical manpower and monitoring usage of expensive scientific research facilities for maximum utilization and to be a part of 'Atmanirbhar Bharat Abhiyan' (Self Reliant India Campaign)

One-Day Training Program on CNC integrated Hybrid Metal 3D Printer

**Instruments under
SATHI IITD**



Click on "Facilities" and then proceed to select your preferred instrument.



The screenshot shows the website for SATHI IIT Delhi. At the top, there is a navigation menu with the following items: HOME, ABOUT, **FACILITIES**, OUTREACH, BOOKING, PUBLICATIONS, CRF, PEOPLE, and CONTACT. A red arrow points to the "FACILITIES" link. Below the navigation menu, the page title is "SATHI IIT Delhi Facilities". The main content area contains a paragraph about R&D and a list of three areas: a. Energy and Environmental sciences, b. Prototyping facilities, and c. High end Microscopy. Below this, there is a section for "Microscopy" and "Spectroscopy". The "Microscopy" section has three buttons: "AUTOMATED CONFOCAL MICROSCOPE", "LIGHT SHEET 7 MICROSCOPE", and "STRUCTURED ILLUMINATION MICROSCOPY (SIM)". The "Spectroscopy" section has two buttons: "STEADY-STATE PHOTOLUMINESCENCE (SSPL)" and "TIME-RESOLVED PHOTOLUMINESCENCE (TRPL) SPECTROSCOPY". A red arrow points to the "Microscopy" section, and a large blue arrow points downwards from the bottom of the page.

Sophisticated Analytical & Technical Help Institutes (SATHI)
Indian Institute of Technology Delhi

HOME ABOUT **FACILITIES** OUTREACH BOOKING PUBLICATIONS CRF PEOPLE CONTACT

SATHI IIT Delhi Facilities

Research and Development (R&D) are essential for any industry to stay ahead of the curve, and the SATHI IIT Delhi facility is a great example of how R&D can be supported. The SATHI IIT Delhi foundation is focused to provide sophisticated instrumentation facilities to industries, MSMEs, Start-ups and academics in the area of

- Energy and Environmental sciences.
- Prototyping facilities, and
- High end Microscopy

The SATHI facility provides a unique opportunity for scientists and engineers to work towards developing innovative solutions in above areas. Researchers can use the advanced tools available in this facility to design, test and validate new technologies, as well as explore new materials and processes. With these facilities, researchers can make significant breakthroughs in the field of energy efficiency, renewable energy sources, waste management, air quality monitoring, water treatment and more.

Microscopy

- AUTOMATED CONFOCAL MICROSCOPE
- LIGHT SHEET 7 MICROSCOPE
- STRUCTURED ILLUMINATION MICROSCOPY (SIM)

Spectroscopy

- STEADY-STATE PHOTOLUMINESCENCE (SSPL)
- TIME-RESOLVED PHOTOLUMINESCENCE (TRPL) SPECTROSCOPY

Scroll down and select the option to book an appointment.



The screenshot shows the header of the SATHI website. On the left is the SATHI logo, a circular emblem with a stylized figure. In the center, the text reads "Sophisticated Analytical & Technical Help Institutes (SATHI) Indian Institute of Technology Delhi". To the right are social media icons for Facebook, Instagram, YouTube, Twitter, and LinkedIn, followed by the IIT Delhi logo. Below the header is a navigation menu with links: HOME, ABOUT, FACILITIES, OUTREACH, BOOKING, PUBLICATIONS, CRF, PEOPLE, and CONTACT. A blue button labeled "★ ALL SATHI FACILITIES" is positioned above the main content area. The main content features the title "Automated Confocal Microscope (CD 7)" and a photograph of the microscope system, which includes a computer monitor displaying a green image, a keyboard, and the large white microscope unit. Below the image is a paragraph of text describing the Cell Discoverer 7 (CD 7) with LSM 900 Confocal Microscope as a fully integrated high-end imaging system with various incubation and detection options.

Sophisticated Analytical & Technical Help Institutes (SATHI)
Indian Institute of Technology Delhi

HOME ABOUT FACILITIES OUTREACH BOOKING PUBLICATIONS CRF PEOPLE CONTACT

★ ALL SATHI FACILITIES

Automated Confocal Microscope (CD 7)

Cell Discoverer 7 (CD 7) with LSM 900 Confocal Microscope is a fully integrated high-end imaging system with various incubation and detection options to tailor the system based on applications. CD 7 combine the ease of use of an automated boxed microscope with the image quality and flexibility of a classic inverted research microscope. CD 7 calibrates itself, detects and focuses on your samples while the optics adjust themselves. Whether working with 2D or 3D cell cultures, tissue sections or small model organisms, one can acquire better data in shorter times with this reliable automated live cell



Clicking on "Book Appointment" redirects you to the iSTEM portal.



Multichannel Fluorescence Imaging Z-stack, 3D views, and Time-Lapse, including, Deconvolution, Colocalization, measurements, software autofocus and image analysis.

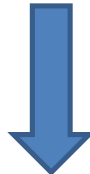
Applications

1. Target and Lead Identification in Drug Discovery: Explore microscopy solutions to help on the most promising targets and leads for actionable insights from drug screens.
2. Imaging Large Model Organisms and different models: From insects to amphibians, plants to Fish, Mice and more, explore your options for high-resolution imaging of large specimen size, Multi-labelled living tissue section, organs, small organisms, organotypic-spheroid or cell culture preparations.
3. High content screening: Quickly acquire high-resolution images of multi-labelled cell culture from different sample carriers like multi-well plates, fixed samples etc., quickly.
4. Live Cell Imaging: CD 7 provides superbly gentle imaging at faster speed and high-resolution fluorescence imaging of transfected and non-modified Live Cell Cultures.

How to Contact

Lab Location : Room No 9, CRF - SATHI Facility, IIT Delhi Sonipat Campus, Sonipat - 131029, Haryana.	Operating Scientist: Mr Taseen Ahmad. Email : taseenahmad1997@gmail.com	Professor in charge: Prof Ravi Krishan Elangovan Department of Biochemical Engineering & Biotechnology IIT Delhi, Hauz Khas, New Delhi-110016, India Email: elangovan@dbeb.iitd.ac.in
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BOOK APPOINTMENT



Before reserving the equipment, you can now access and review the instrument details. Additionally, please accept the terms and conditions before clicking on the submit button.



Acknowledgement Statement For Equipment users:

I agree to acknowledge I-STEM and Host institution of facilities, in any publication, report or dissertation that will incorporate results obtained from the facilities accessed through the I-STEM web portal. I agree also to inform I-STEM team of such acknowledgement in the following format:

The authors thank Indian Science Technology and Engineering Facilities Map (I-STEM), a Program supported by Office of the Principal Scientific Adviser to the Govt. of India, for enabling access to the (Equipment Name with Model and Make-For Ex: SEM, Make:Zeiss and Model/Gemini 300) funded by... at (Name of the Host Institute, & City-For Ex. Indian Institute of Science, Bangalore) to carry out this work.

Submit

Following equipment user details:

Last AMC Done:

Reference Website: www.zeiss.co.in

Description: Cell Discoverer 7 (CD-7) with LSM 900 Confocal Microscope is a fully integrated high-end imaging system with various incubation and detection options to tailor the system based on applications.

Usage Rate: (as indicated by the custodian/host institution)		
S.NO.	USERS CATEGORY	RATE (HOUR/ HOUR) & OR PERCE
1	Academic (External)*	1000.00
2	Academic (Internal but different department/lab)**	500.00
3	Academic (Internal)***	500.00
4	Industry User	3000.00
5	National Research Lab User	1000.00
6	Start-ups Company	1000.00

Equipment Reservation



To proceed, please select a date and double-click on it. This action will trigger the opening of a new request window. From there, you can select your preferred time slot.

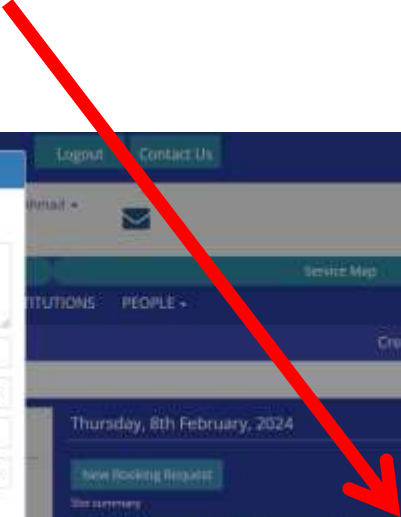


The screenshot shows the I-STEM Booking Calendar interface. The main content area is titled "Booking Calendar" and displays a calendar for February 2024. The date "8" is selected and highlighted with a red circle. To the left of the calendar, there is a sidebar with equipment details for an "Automated Confocal Microscope for live cell imaging". To the right, a "New Booking Request" window is open, showing a table of time slots with columns for "Available", "Booked", "Blocked", and "None".

Thursday, 8th February, 2024			
New Booking Request			
Slot summary			
Available	Booked	Blocked	None
06:00 - 07:00	07:00 - 08:00	08:00 - 09:00	09:00 - 04:00
04:00 - 05:00	05:00 - 06:00	06:00 - 07:00	07:00 - 08:00
08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00
12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00
16:00 - 17:00	17:00 - 18:00	18:00 - 19:00	19:00 - 20:00
20:00 - 21:00	21:00 - 22:00	22:00 - 23:00	23:00 - 24:00



Please choose a suitable time slot as per your convenience and proceed for booking.



A screenshot of a web application's booking interface. A modal form titled "Booking request : Automated Confocal Microscope for live cell imaging (735022)" is open. The form contains fields for "Requested Date" (08-Feb-24), "Remarks" (with a character limit of 255), "Available From" (08-Feb-2024, 05:00), "Available To" (08-Feb-2024, 06:00), "No. of hours required" (Hours, Minutes, Range), and "Service Type" (SELECT SERVICE TYPE). Below the form is a note about allocation changes and two buttons: "Proceed Booking" and "Cancel". In the background, a "Booking Calendar" is visible for Thursday, 8th February, 2024, showing a grid of time slots with a "New Booking Request" button and a "Bookings" section.



Please click on the "Direct Click" option to complete your booking. Once done, kindly wait for approval from the concerned person and make your payment for the slot online only.

The screenshot shows the I-STEM website's 'Service/Job Requisition Form (Characterization)'. The page is addressed to Dr. Monika Gupta. It contains several sections:

- Personal Information:** Title of job/request, No. of Sample, Technical Information, and a field to upload reference papers.
- Booking Information:** Title of equipment, Technical Information, and a 'Choose File' button.
- Technical Information:** Nature of Sample, Specific Information (if any), and Sample Name.
- Current Billing Information:** Name, Billing Name, Billing Address, and Billing Address.
- Cost Summary:** Equipment Usage Cost (₹ 400.00), Additional Cost (₹ 0.00), and Total Estimated Amount (₹ 400.00).

A red arrow points to the 'Direct Booking' button at the bottom of the form. Below the form, there are three buttons: 'Direct Booking' (highlighted in green), 'Cancel', and 'Cancel'.

Do you need extra facilities? Yes

Sublines:

- Please upload the reference papers (standard service request form (SRF) etc. before 'Submit' at Technical Information section by selecting the sample file file.
- Please make a note that the preferred (budget) and No. of hours required in instrument Booking information window, may be changed at the time allocation of the Equipment by the Equipment Technological Operator based on complexity of the specimens.
- Please mark Personal Information, Billing information, Booking information and Technical information carefully.

To locate and secure instrument bookings, you can conveniently search for them based on their names and corresponding codes.

