

INSTRUMENT UNDER CSS DEPARTMENT

Spectroscopic Unit

Sl. No	Name of the instrument	In-charge	Operator	Contact	Location (Extn. No.)
1.	Circular Dichroism Spectrometer (JASCO Make, Model -J-1500)	Prof. Anindita Das (psuad2@iacs.res.in)	Mr. Chanchal Kumar Das cd@iacs.res.in	cd@iacs.res.in	Room no.10 Biological Chemistry Bldg.1st. Floor 1509)
2.	EPR Spectrometer (OLD)	Prof. Tapan Kanti Paine (ictkp@iacs.res.in)	Dr. Bhola Nath Mondal	epr@iacs. res.in	Room no M-066 Main Bldg. Ground Floor (1808)
3.	EPR Spectrometer (NEW)	Prof. Somdutta Ghosh Dey. (icsgd@iacs.res.in)	Mr.Subrata Ghosh	(epr_new@iacs.res.in)	Room No. M 064(1602)
4	FT-IR (New)	Dr. Subhadeep Datta (sspsdd@iacs.res.in)	Mr. Subrata Das (Retire on 31 st October 2024)	ftir@iacs. res.in	Room No. M-117 Main Bldg. 1st Floor (1203)
5	FT-IR (Old)	Dr. Subhadeep Datta (sspsdd@iacs.res.in)	Mr. Subrata Das	ftir@iacs. res.in	Room No. M-117 Main Bldg. 1st Floor (1203)
6	FT-NMR (300MHz, 500MHz & 400MHz)	Prof. Tapan Kanti Paine (ictkp@iacs.res.in) Prof. JoyramGuin (ocjg@iacs.res.in) Prof. Rajib Goswami (ocrkg@iacs.res.in)	Mr. Sumit Ray Mr. Sachin Das	nmrfacility@iacs.res.in	Room No. M-033 Main Bldg. 1st Floor (1173)
7	HR-MS	Prof. Rajib Goswami (ocrkg@iacs.res.in)	Mr. Goutam Biswas	hrms@iacs. res.in	Room No. M-135 Main Bldg. Gr. Floor (1180)
8	MALDI Mass Spectrometer	Dr. Anindita Das (psuad2@iacs.res.in)	Ms. Champa Bag	maldi@iacs. res.in	Room No. 301 Centenary Bldg. 2nd Floor. (2126)
9	Laser Raman Spectrometer	Prof. Abhishek Dey (icad@iacs.res.in)	Dr. Manas Ghosh	raman@iacs. res.in	Room No. M-120 Main Bldg. 1st. Floor (1260)
10	TCSPC	Prof. Narayan Pradhan (camnp@iacs.res.in) Dr. K D M Rao (co-incharge) (trckdmr@iacs.res.in)	Mr. Subrata Das (Retire on 31 st October 2024)	tcspc@iacs. res.in	Room No. 85 Main Bldg. 1st. Floor (1274)
11	UV-VIS- NIR Spectrophotometer (Agilent carry 5000 UV-VIS- NIR)	Dr. Subhadeep Datta (sspsdd@iacs.res.in)	Mr. Subrata Das (Retire on 31 st October 2024)	uvvis@iacs. res.in	Room No. M-117 Main Bldg. 1st Floor (1274)
12	Steady State, Fluorescence and Phosphorescence Lifetime Measurement Spectrometer (Model: FLS1000-DD-stm)	Prof. Sudip Malik (psusm2@iacs.res.in)	Operated by student.		Room No. M-253 Main Bldg. 2nd Floor (Beside SAIS office) (1564)
13	Fluorescence Spectrometer	Dr. Shinto Varghese (trcsv@iacs.res.in)	Operated by student.	trcsv@iacs. res.in	Room No. M-258 Main bldg. 2nd floor (1145)
14	ICP-OES System	Prof. Sugata Ray (mssr@iacs.res.in)	Operated by student.	mssr@iacs. res.in	Room no. M-274 Mail Bldg. 2nd floor, opposite to the S N Bose Hall (1414)
15	NMR (600 MHZ)	Prof. Surajit Sinha (ocss5@iacs.res.in)	Mr. Gour Gopal Paul	nmr600@iacs. res.in	Room No. 004 CRAFT Building Gr. Floor (2324)
16	Gas Chromatography- Mass Spectroscopy	Prof. Amit Majumdar (icam@iacs.res.in)	Mr. Sridib Bera	gcms@iacs. res.in	Room no. M-036, Main bldg. Ground floor (1165)
17	DLS (Zeta-Potential Particle	Tarun Kumar Mandal	Ms. Champa Bag	dls@iacs.res. in	Room No. M-255

	Size and Molecular Weight) [Zetasizer ZEM 3600 Instrument]	(psutkm@iacs. res.in)			Main Bldg., 2nd floor (1562)
18	Electrochemical Cell/ Diode Array Spectrophotometer.	Prof. Asim Bhaumik (msab@iacs.res.in)	Operated by students	msab@iacs. res.in	Room No. 79 Main Bldg. 1st Floor (1453)

Microscopy Unit.

Sl. No	Name of the instrument	In-charge	Operator	Contact	Location (Extn. No.)
1.	Fluorescence Microscope (Leica DMI8 Digital Microscope)	Prof. Benu Brata Das (pcbhd@iacs.res.in)	Mr. Sanjay Sarkar	pcbhd@iacs.res. in	Room 23B Biological Chemistry Bldg. 1st floor (2108)
2.	LSM880/ Axio Observer7 [Confocal Microscope]	Prof. Deepak Kr. Sinha (bcdks@ics. res.in) Prof. S. S. Jana (bcssj@iacs. res.in)	Mr. Sanjay Sarkar	bcdks@ics.res.in	Room 14 Biological Chemistry Bldg. 1st floor (1106)
3.	Confocal FLIM (Olympus IX71 & Picoquant)	Prof. Deepak Kr Sinha (bcdks@iacs. res.in)	Mr. Sanjoy Sarkar	bcdks@iacs.res.in	Room No. 93 Main Bldg.1st Floor (1106)
4.	Optical Microscope & Micro hardness Test	Dr. Subhadeep Datta (sspsdd@iacs.res.in)	Operated by student	ommd@iacs. res.in	Room No. M-120 Main Bldg. 1st Floor (1260)
5.	Olympus Upright Microscope [Model BX53M with MAG. Range 50X-1000X]	Dr. Subhadeep Datta (sspsdd@iacs.res.in)	Operated by student	ommd@iacs. res.in	Room No. M-120 Main Bldg. 1st Floor (1260)
6.	FE-SEM (JEOL MAKE, Model: JSM7500F)	Prof. Tarun K. Mandal (psutkm@iacs.res.in)	Mr. Rabindranath Banik and Dr. Sasanka Maji	sem@iacs.res.in	Room No. M-018 Main Bldg. Gr. Floor (1181)
7.	AFM (OXFORD)	Prof. Somabrata Acharya (camsa2@iacs.res.in)	Mr. Sanjib Naskar	afm@iacs.res.in	Computer Center Bldg.1st. Floor (1586)
8	AFM (OXFORD) (New)	Prof. Somabrata Acharya (camsa2@iacs.res.in)	Mr. Subir Sikdar	afm@iacs.res.in	Computer Center , Ground Floor.
9	UHR-FEG-TEM	Prof. Narayan Pradhan (camnp@iacs.res.in)	Mr. Arunim Paul Mr. Suman Guchhait	fegtem@iacs. res.in	Room No. M-015 Main Bldg. Bldg. Ground Floor (1251)
10	CRYO-TEM	Prof. Prasanta K Das (bcpkd@iacs.res.in)	Mr. Supriya Chakraborty	bcpkd@iacs. res.in	Room No. M-049 Main Bldg. Gr. Floor (1373)
11	Thermal System for Optical Imaging Devices (Purchased for Olympus upright Microscopemachine no. 5 in this list)	Dr. Subhadeep Datta (sspsdd@iacs.res.in)	Operated by Student	ommd@iacs. res.in	Room No. M-120 Main Bldg. 1st Floor (1260)

Magnetic Measurement Units

Sl. No	Name of the instrument	In-charge	Operator	Contact	Location (Extn. No.)
1.	Dielectric setup measurement system (previously Mini VSM [4 Tesla])	Prof. Subham Majumdar (sspsm2@iacs.res.in)	Mr. Prasad Modak	sspsm2@iacs. res.in	Room No. 16B [Main Bldg.] (1172)
2.	Squid VSM MPMS (3)	Dr. Devajyoti Mukherjee (sspsdm@iacs.res.in)	Mr. Prasad Modak	sspsm2@iacs. res.in	Room No. M-011 Main Bldg. Grd. Floor

Electrical/Electrochemical Measurement Units

Sl. No	Name of the	In-charge	Operator	Contact	Location (Extn.
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	instrument				No.)
1.	Cryogen Free CFMS Cryomagnetic system with DC resistivity and Hall Effect module.	Prof. Subham Majumdar (sspsm2@iacs.res.in)	Mr. Prasad Modak	sspsm2@iacs.res.in	Room No. M-028 Main Bldg. Ground floor

Furnaces and Deposition Units

Sl. No	Name of the instrument	In-charge		Contact	Location (Extn. No.)
1.	Vacuum Coating Unit (OLD)	Dr. K.D.M Rao (trckdmr@iacs.res.in)	Operated by students	vcu@iacs.res.in trckdmr@iacs.res.in	Room No.M-117 Main Bldg.1 st . Floor(1203)
2.	PLD Dr. Devajyoti Mukherjee (sspdm@iacs.res.in)	Dr. Devajyoti Mukherjee (sspdm@iacs.res.in)	Mr. Tapas Dutta	pld@iacs.res.in	Room No. 101 ERU Bldg. Grnd. Floor (1616)
3.	RF/DC Sputtering System	Dr. Devajyoti Mukherjee, (sspdm@iacs.res.in)	Mr. Ranajit Sardar	sputter@iacs.res.in	Room No. M-112 Main Bldg. 1st Floor (1220)
4.	Vacuum Coater (New)	Dr. K.D.M Rao (trckdmr@iacs.res.in)	Operated by students and Mr. Subrata Das	trckdmr@iacs.res.in vcu@iacs.res.in	in Room No. M-117 Main Bldg. 1st Floor (2177)

Structural/Elemental Characterization Units

Sl. No	Name of the instrument	In-charge	Operator	Contact	Location (Extn. No.)
1.	XPS	Prof. Sugata Ray (mssr@iacs.res.in)	Mr. Amar Nath Dey	xps@iacs.res.in	Room No. M-019 Main Bldg. Gr. Floor (1253)
2.	XRD (Micro Focus Single Crystal X-ray Diffractometer) [NEW]	Prof. Amit Majumdar (icam@iacs.res.in)	Dr. Bhola Nath Mondal	sxrd@iacs.res.in	Room No. M-061, Main Bldg. Gr. Floor (1368)
3.	Old XRD (BRUKER) [D8 advance]	Dr.Mintu Mondal (sspm4@iacs.res.in)	Mr. Subrata Ghosh	xrdbruker@iacs.res.in	Room No. M-066 Main Bldg. Gr. Floor (1365)
4.	New Automated XRD Bruker	Dr.Mintu Mondal (sspm4@iacs.res.in)	Mr. Subrata Ghosh	xrdbruker@iacs.res.in	Room No. M-066 Main Bldg. Gr. Floor (1365)
5.	HR-XRD (Rigaku)	Prof. Sugata Ray (mssr@iacs.res.in)	Mr. Ananda Karmakar	mssr@iacs.res.in	Room no. M-009 Main Bldg. Gr. Floor.(1215)
6.	UHV-Moke System)	Dr. Devajyoti Mukherjee (sspdm@iacs.res.in)	Mr. Ranajit Sardar	sspdm@iacs.res.in	Room No. M-112 Main Bldg. 1st Floor (1220)
7.	BET (Surface area analyzer)	Prof. Ashim Bhaumik (msab@iacs.res.in)	Mrs. Sujata Gupta.	bet@iacs.res.in	Room No. 11 Main Bldg. Ground Floor (1710)
8.	DSC 8000 (Perkin Elmer Make)/ Diamond DSC (Perkin Elmer Make)/DSC Q 2000 TA	Prof. Sudip Malik (psusm2@iacs.res.in)	Mr. Arup Bandyopadhyay	thermal@iacs.res.in	Room No. M-116 Main Bldg. 1st Floor (1262)
9.	(TGA 4000) [Perkin Elmer Make] (NEW)	Prof. Sudip Malik (psusm2@iacs.res.in)	Mr. Arup Bandyopadhyay	thermal@iacs.res.in	Room No. M-116 Main Bldg. 1st Floor (1262)
10.	Rheometer with Dynamic Mechanical Thermal Analysis System (Model No.: MCR 702e MultiDrive, Anton Paar Pvt. Ltd.)	Prof. Sudip Malik (psusm2@iacs.res.in)	Operated by students	psusm2@iacs.res.in	Room No. M-258 Main Building 2nd floor
11.	CHNS Analyzer	Prof. Amit Majumdar (icam@iacs.res.in)	Mr. Srideep Bera	chns@iacs.res.in	Room No. M-143 Main Bldg. 1st. Floor (1370)

12	Wavelength Dispersive X-Ray Spectrometer	Prof. Asim Bhaumik	Mr. Amar Nath Dey	wdxrf@iacs.res.in	Room No. M-009 Main Bldg. Gr.Floor
	System (WDXRF)				Exten No. 1215

Bio-Science Characterization Units.

Sl. No	Name of the instrument	In-charge	Operator	Contact	Location (Extn. No.)
1.	20 degree C Deep Freezer	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by students	bcps@iacs.res.in	Room no. 5 Biological Chem. Bldg. 1st. Floor. (1518)
2.	FACS-Cell Sorter	Prof. Benu Brata Das (pcbbs@iacs.res.in)	Mr. Chanchal Kumar Das	pcbbs@iacs.res.in	Room no. 14 Biological Chemistry Building 1st. Floor. (1508/9)
3.	Deep Freezer (-80°C)	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by students	bcps@iacs.res.in	Room no. 13 Biological Chemistry Bldg. 1st. Floor (1266)
4.	Microplate Spectrophotometer	Dr. Ritesh Ranjan Pal (ritesh.pal@iacs.res.in)	Operated by students	ritesh.pal@iacs.res.in	Room No. M-059 Main Building Gr. Floor (2202)
5.	Micro Volume UV-VIS Spectrophotometer (Model- Nano Drop One C with Cuvette)	Dr. Ritesh Ranjan Pal (ritesh.pal@iacs.res.in)	Operated by students	ritesh.pal@iacs.res.in	Room No. 5 Biological Chemistry Bldg, 1st floor (2202)
6.	PCR Instrument (T100TM Thermal Cycler)	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by students	bcps@iacs.res.in	Room No. 5 Biological Chemistry Bldg. 1st. Floor.(1518)
7	Ultra Centrifuge Instrument	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by students	bcps@iacs.res.in	Room No. 5 Biological Chemistry Bldg. 1st. floor (1518)
8.	Bench Top Shaker Incubator with Temp. Control.	Dr. Ritesh Ranjan Pal (ritesh.pal@iacs.res.in)	Operated by students	ritesh.pal@iacs.res.in	Room No. 5 Biological Chemistry Bldg. 1st floor (2202)
9.	Spectra Max ID5 Multi-Mode Microplate Reader Platform	Dr. Deepak Sinha (bcdks@iacs.res.in)	Operated by students	bcdks@iacs.res.in	Room no. 5 Biological Chemistry Bldg. 1st Floor (1106)
10.	Ultra Microtome for Biological Samples including EMUC7 module with Cryo upgradation facility	Prof. Benu Brata Das (pcbbs@iacs.res.in)	Mr. Ranjit Sardar	pcbbs@iacs.res.in	Room No. M-017 Main Bldg. Gr. Floor (2108)
11.	Table Top Centrifuge System	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by students	bcps@iacs.res.in	Room No. 23B Main Bldg. (1266)
12.	Chemidoc Multiplexing Imaging system	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by students	bcps@iacs.res.in	Room no. 5 Biological Chemistry Bldg. 1st Floor (1518)
13.	Real-Time PCR	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by students	bcps@iacs.res.in	Room No. 13 Biological Chemistry Bldg. 1st Floor (1518)
14.	High Performance Centrifuge System	Prof. Benu Brata Das (pcbbs@iacs.res.in)	Operated by students	pcbbs@iacs.res.in	Room No. 13 Biological Chemistry Bldg.

					1st floor (1266)
15.	Bacterial Culture System (incubator and shaker)	Prof. Deepak K Sinha (bcdks@iacs.res.in)	Operated by students	bcdks@iacs.res.in	Room No. 13 Biological Chemistry Bldg.1st floor (1266)
16	Seahorse Analyzer	Dr. Ritesh R Pal (ritesh.pal@iacs.res.in)	Operated by students	ritesh.pal@iacs.res.in	Room No.M017 Main Bldg. Ground floor (2202)

Common Facilities.

Sl. No	Name of the instrument	In-charge	Operator	Contact	Location (Extn. No.)
1.	Water Plant. Type-I & Type-II icad@iacs.res.in Workshop	Prof. S.S.Jana (bcssj@iacs.res.in)	Mr. Thakurdas Biswas	bcssj@iacs.res.in Workshop	icad@iacs.res.in Workshop
2.	Liq. N2 Plant	Prof. Subhadeep Dutta Prof. Devajyoti Mukherjee (sspsdd@iacs.res.in) (sspdm@iacs.res.in)	Mr. Pijush Das & Mr. Ramesh Pratap Singh	sspsdd@iacs.res.in	front of workshop [Behind MLS Hall] (1171)
3.	Table Top Mini He Liq. System	Prof. Subham Majumdar (sspsm2@iacs.res.in)	Mr. Subrata Ghosh	sspsm2@iacs.res.in	Room No. 14 Main Bldg. Ground floor

CSS Small Equipments.

Sl. No	Name of the instrument	In-charge	Operator	Contact	Location (Extn. No.)
1.	Mobile Spectrofluorometer System.	Prof. Narayan Pradhan (camnp@iacs.res.in)	No operator	camnp@iacs.res.in	Room No. M-215 Main Bldg. 2nd Floor
2.	Cary 60 Spectrophotometer Bundle Instrument.	Prof. Narayan Pradhan (camnp@iacs.res.in)	No operator	camnp@iacs.res.in	Room No. 17 Main Bldg. Gr. Floor (1218)
3.	Image Analysis Workstation for JEOL TEM JEM-F200	Prof. Narayan Pradhan ((camnp@iacs.res.in))	No operator	camnp@iacs.res.in	N/A
4.	Source Measure unit	Dr. Subhadeep Datta. (sspsdd@iacs.res.in)	No operator	sspsdd@iacs.res.in	
5.	Interactive Digital Source Meter (Keithley make)	Dr. Mintu Mondal (sspsmm4@iacs.res.in)	Operated by Student Sk. Kalimuddin. intdydt@gmail.com	sspsmm4@iacs.res.in	Room No. 81 Main Bldg, 1st Floor; (1320)
6.	Battery Cycler.	Dr. Urmimala Maitra. (urmimala.maitra@iacs.res.in)	No operator	"urmimala.maitra@iacs.res.in"	Room No. M-222 Main Bldg. 2nd Floor (1216)
7.	SR830 DSP Dual Phase Lock in amplifier, SR554 Lock in Transformer preamplifier, SIM900 mainframe with RS232 Computer interface SR540 Optical Chopper.	Dr. Mintu Mondal (sspsmm4@iacs.res.in)	No operator	sspsmm4@iacs.res.in	Room No. 81 Main Bldg, 1st Floor; (1320)
8.	HP Z4 Workstation.	Prof. Narayan Pradhan (camnp@iacs.res.in)	No operator	camnp@iacs.res.in	Room No. M-215 Main Bldg. 2nd floor (1208)
9.	GPU Workstation. Supermicro 7049AT (Model SuperServe7049A.T.)	Prof. Narayan Pradhan (camnp@iacs.res.in)	No operator	camnp@iacs.res.in	Room No. M-215 Main Bldg. 2nd floor (1208)
10.	HP Workstation [Installed 22-03-2021] (FEG TEM)	Prof. Narayan Pradhan (camnp@iacs.res.in)	No operator	camnp@iacs.res.in	Room No. M-215 Main Bldg. 2nd floor (1208)
11.	USB-2405 [4CH 24	Dr. Mintu Mondal	Operated by	sspsmm4@iacs.res.in	Room No. 81

	Bit128Ks/s Dynamic Signal acquisition USB 2.0 module]	(sspmm4@iacs.res.in)	Student :Mr. Deep Singha Roy deep. rkmrc97@gmail.com		Main Bldg, 1st Floor; (1320)
12.	Muffle Furnace (working Temp. 1250 Degree C Temp	Dr. Urmimala Maitra. (urmimala.maitra@iacs.res.in)	No operator	urmimala.maitra@iacs.res.in	Room No. M-222 Main Bldg.2nd Floor (1216)
13.	Vacuum Oven	Dr. Urmimala Maitra. (urmimala.maitra@iacs.res.in)	No operator	urmimala.maitra@iacs.res.in	Room No. M-222Main Bldg.2nd Floor (1216)
14.	1200 degree C High temp Horizontal Split Tube Furnace.	Dr. Subhadeep Datta (sspsd@iacs.res.in)	No operator	sspsd@iacs.res.in	Room No. M-222 Main Bldg. 2nd Floor (1607)
15.	1200 Degree C Tubular furnace.	Dr. Urmimala Maitra. (urmimala.maitra@iacs.res.in)	. No operator	urmimala.maitra@iacs.res.in	in Room No. M-222 Main Bldg. 2nd Floor (1216)
16.	Double Zone 1400 degree C Tubular Furnace.	Dr. Mintu Mondal (sspmm4@iacs.res.in)	Operated by Student: Deep Singha Roy deep. rkmrc97@gmail.com	sspmm4@iacs.res.in	Room No. 76 Main Bldg, 1st Floor
17.	Nabertherm High Temp. Lab Furnace.	Dr. Devajyoti Mukherjee (sspdm@iacs.res.in)	No operator	sspdm@iacs.res.in	Room No. M-112 1st Floor of Main Bldg. (1220)
18.	20 Ton Pellet maker with 10mm and 13mm Die.	Dr. Urmimala Maitra (urmimala.maitra@iacs.res.in)	No operator	urmimala.maitra@iacs.res.in	Room No. M-222 Main Bldg. 2nd Floor (1216)
19.	Lab Compact Manual Roller Press for Battery Electrode Sheet Calendaring.	Dr. Urmimala Maitra (urmimala.maitra@iacs.res.in)	No operator	urmimala.maitra@iacs.res.in	Room No. M-222 Main Bldg. 2nd Floor (1216)
20.	Planetary Ball Mill	Dr. Urmimala Maitra. (urmimala.maitra@iacs.res.in)	No operator	urmimala.maitra@iacs.res.in	Room No. M-222 Main Bldg.2nd Floor (1216)
21.	BIOVIA Materials Studio research Suit [BIOVIA, Materials Studio Academic Research Suit (2020)	Prof. Narayan Pradhan (camnp@iacs.res.in)	No operator	camnp@iacs.res.in	Room No. M-215 Main Bldg. 2nd Floor Installed with GPU Workstation (1208)
22.	Impedance Analyser.	Dr. Kunala Durga Mallikharjuna Rao. (trckdmr@iacs.res.in)	No operator	trckdmr@iacs.res.in	Room No. 19, Main Bldg, Gr.Floor (1735)
23.	Glove Box I & Glove Box II	Prof. Pradyut Ghosh (icpg@iacs.res.in)	Operated by student	icpg@iacs.res.in	Room No. M-065, Ground Floor of Main Bldg.
24.	Surface Tensiometer	Prof. Prashant C. Singh (sspcs@iacs.res.in)	Operate by Student Ms. Asim Bisoi	(prashantchem@gmail.com)	) Room Number 80 1st floor, Main Bldg
25.	Liquid He4 flow Cryostat	Dr. Mintu Mondal (sspmm4@iacs.res.in)	Operate by student Sk. Kalimuddin intdydt@gmail.com	(sspmm4@iacs.res.in)	Room No. M-031ain Building, Gr. Floor (1320)
26.	Ice Flake Instrument (NEW)	Prof. Tapan Kanti Paine (ictkp@iacs.res.in)	Operated by student	ictkp@iacs.res.in	Room No. 93 Main Bldg. 1st Floor
27.	Ice Flake Instrument (OLD)	Prof. Tapan Kanti Paine (ictkp@iacs.res.in)	Operated by student	ictkp@iacs.res.in	Room No. 93 Main Bldg. 1st Floor
28.	Autoclave (Vertical) Pressure Cut	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by student	(bcps@iacs.res.in)	Biological Chemistry Bldg. 1st. Floor. (1518)
29.	Worthington LS3000 Dewars with canister Storage System	Prof. Prosenjit Sen (bcps@iacs.res.in)	Operated by student	(bcps@iacs.res.in)	Room No. M-132 Main Bldg. 1st Floor (1518)
30.	Worthington LS3000	Prof. Prosenjit Sen	Operated by student	(bcps@iacs.res.in)	Room no. M-134

	Dewars with canister	(bcps@iacs.res.in)			ain Bldg. 1st Floor (1518)
31.	CO2 Incubator.	Prof. Deepak Sinha (bcdks@iacs.res.in)	Operate by student Ms. Priyanka Ray	bcdks@iacs.res.in	Biological Chemistry Bldg. 1st Floor
32.	High Performance Liquid Chromatography	Prof. Surajit Sinha (ocss5@iacs.res.in)	Operated by student	(ocss5@iacs.res.in)	Room No. M-154 Main Bldg. 1st floor (1400)
33.	Maskless Lithography System	Dr. Subhadeep Datta (sspsdd@iacs.res.in)	Operated by student	(sspsdd@iacs.res.in)	Room No. M-120 Main Bldg. 1st. Floor (1260)