

Central Research Facility, IIT Ropar

Details of Equipment under CRF

S. No.	Equipment Name	Make	Model	Year of Installation	Location	Faculty In-charge	Contact Person	Status of Equipment
1	SEM	JEOL	6610LV	2010	Multipurpose Lab, First Floor, CRF Building	Dr. Nitish Bibhanshu	Mr Amit Kaushal 01881-23-2567 sem@iitrpr.ac.in	Not working
2	XRD (Powder)	Malvern Panalytical	Xpert Pro MPD	2010	Room No. 115, SS Bhatnagar Block	Dr. Rajiv Kumar	Mr.Kamlesh Satpute 01881-233053 pxrd.crf@iitrpr.ac.in	Working
3	SPM	BRUKER	Multimode 8 SPM	2011	Multipurpose Lab, First Floor, CRF Building	Dr. Mukesh Kumar	Mr.. Harsimranjit Singh 01881-232565 spm@iitrpr.ac.in	Working
4	High Temperature Furnace	NABERTHEM GERMANY	RH120/600/18	2014	HTF lab, First Floor, CRF Building	Dr. Sarang Gurfekar	Mr. Harsimranjit Singh 01881-23-2563 htf.crf@iitrpr.ac.in	Working
5	NMR (400 MHz)	JEOL	JNM-ECS-400	2013	Room No. 114, SS Bhatnagar Block	Dr Manoj Kumar Pandey	Manish Kumar 1881-233052 nmr@iitrpr.ac.in	Working
6	Nano Indenter	BRUKER	Hyistron TI 950	2016	Multipurpose Lab, First Floor, CRF Building	Dr. Hariprasad Gopalan	Mr Harsimranjit Singh 01881-23-2566 nanoindenter@iitrpr.ac.in	Working
7	Single Crystal XRD	BRUKER	D8Venture	2013	Room No. 115, SS Bhatnagar Block	Dr Debprasad Mandal	Kamlesh Satpute 1881-233053 scxrdadmin@iitrpr.ac.in	Down
8	HRMS	WATER GMBH	YEA955	2017	Room No. 106, SS Bhatnagar Block	Dr. Anupam Bandopadhyay	Mr Anuj Babbar 1881-233079 hrms@iitrpr.ac.in	Working
9	UV-Visible	Perkin Elmer	Lamda 950	2018	Room No. 105, First Floor, CRF Building	Dr. Neha Sardana	Mr. Damninder Singh 1881-232561 uv.vis.crf@iitrpr.ac.in	Working
10	XPS	Thermo Scientific	ESCALAB Xi +	2022	Room No. 002, Ground Floor, CRF Building	Dr Mukesh Kumar	Mr.Manu Rana 01881-23-2555 crf.xps@iitrpr.ac.in	Working
11	HR-TEM	Thermo scientific	Themis 300 kV	2023	Room No. 006, Ground Floor, CRF Building	Chairman CRF	Mr. Manish Kumar 01881-232554 tem300.crf@iitrpr.ac	Working
12	Cryo-TEM	Thermo Scientific	Talos L120C G2	2023	Room No. 004, Ground Floor, CRF Building	Chairman CRF	Mr. Manish Kumar 01881-232554 tem120.crf@iitrpr.ac.in	Working , Good
13	LSCM	Zeiss	LSM 880 with Airyscan Fast Module	2023	Room No. 007, Ground Floor, CRF Building	Dr Durba Pal	Mr. Farooq Ahmed 01881-23-2556 crf.lscm@iitrpr.ac.in	Working
14	FESEM	JEOL	JSM 7610F Plus	2022	Room No. 003, Ground Floor, CRF Building	Dr Prabhat Agnihotri	ABISHEK SHARMA 01881-23-2557 crf.fesem@iitrpr.ac.in	Working
15	NMR (600 MHz)	JEOL	JNM ECZ600R/M3	2019	Room No. 114,SS Bhatnagar Block	Dr Manoj Pandey	Mr.Manish Kumar 01881-233052 nmr600.crf@iitrpr.ac.in	Working
16	RAMAN Spectroscopy	Horiba France	LABH Rev-UV-open	2019	Multipurpose Lab, First Floor, CRF Building	Dr. Tharamani C. Nagaiah	Mr. Damninder Singh 1881-232564 ramancrf@iitrpr.ac.in	Working
17	Metal 3D Printer	EOS Gmbh	Model-EOS M 290	2021	Room No: 114, SDB, Mechanical Department	Dr. Anupam Aggarwal	Mr. Varinder Dhiman Mob: 9646910813 metal3dprint.crf@iitrpr.ac.in	Working

18	Atomic Probe Tomography (APT) At IIT Madras	cameca	Cameca LEAP 5000 XR Voltage & Laser Pulse Mode	2017	IIT Madras	Dr. Khushboo Rakha	Mr Amit Kaushal 01881-232562 crf.nfapt@iitrpr.ac.in	Working
19	Maskless Lithography	Quantum Design	MicroWriter ML3	2024	Lab 1, Clean Room, CMNF	Dr Rakesh Kumar	Ms. Shital Chaudary 01881-232570 bookings.cmnf@iitrpr.ac.in	Working
20	LPCVD	Technos Instruments	Technos	2024	Lab 4, Clean Room, CMNF	Dr P K Agnihotri	Ms. Shital Chaudary 01881-232572 bookings.cmnf@iitrpr.ac.in	Working
21	Sputtering System	Advance Process Technology	Custom Made	-	Clean Room, CMNF (Uninstalled)	Dr Mukesh Kumar		Not Working
22	Oxidation and Diffusion Furnace	ATV	PEO-601	-	Clean Room, CMNF (Uninstalled)	Dr Rakesh Kumar		Not Working
23	Optical Microscope	Carl Zeiss	Upright Optical	2024	Lab 1, Clean Room, CMNF	Dr K C Jena	Ms. Shital Chaudary 01881-232570 bookings.cmnf@iitrpr.ac.in	Working