

## List of Equipment under CRF& CMNF, IIT Ropar

CRF – Central Research Facility CMNF – Center for Micro & Nano Fabrication

SNo	Equipment Name	Model	Faculty In Charge	Location	Contact Person	Current Status
1.	SEM (LaB6) (JEOL)	<b>Model- JEOL- 6610LV</b>	Dr Harpreet Singh	TC-1, Ground Floor, Room no.110	Mr Amit Kaushal Email Id:sem@iitrpr.ac.in Mobile No: 9815448833	Working
2.	XRD (Powder) (PANANALYTICAL)	<b>Model-Xpert Pro MPD</b>	Dr Harpreet Singh	TC-1, Ground Floor, Room no. 113	Mr Amit Kaushal Email Id:xrd@iitrpr.ac.in Mobile No:9815448833	Temporarily Not Working (X-Ray tube replacement is in progress)
3.	SPM (Bruker)	<b>Model-Bruker Multimode 8 SPM</b>	Dr Subhendu Sarkar	TC-1, Ground Floor,Room no. 136	Mr Harsimranjit Singh Email Id:harsimran1785@gmail.c om Mobile No:7589293404	Working
4.	High Temperature Furnace (Nabertherm)	<b>Model- RHTH120/600/ 18</b>	Dr Subhendu Sarkar	TC-1, 1 <sup>ST</sup> Floor	Mr Harsimranjit Singh Email Id:harsimran1785@gmail.c om Mobile No:7589293404	Working
5.	NMR (400 MHz) (JEOL)	<b>Model JNMECS400</b>	Dr Manoj Kumar Pandey	Installed in Room No:-114 S.S. Bhatnagar Building, MC, IIT Ropar	Mr Manish Kumar Email Id:nmr@iitrpr.ac.in Mobile No: 8146825778	Working
6.	Nano Indenter (Bruker)	<b>Model- Hyistron TI 950</b>	Dr Navin Kumar	TC-1, Ground Floor, Room No 136		Working
7.	Single Crystal XRD	<b>Model-</b>	Dr Debprasad Mandal	Installed in Room	Mr Kamlesh Satpute	

	(Bruker)	<b>D8Venture</b>		No:-115 S.S. Bhatnagar Building, MC, IIT Ropar	Email Id: scxrdadmin@iitrpr.ac.in Mobile No: 9416951931	Working
8.	HRMS (Waters)	<b>Model - YEA955</b>	Dr Avijit Goswami	Installed in Room No:-106 S.S. Bhatnagar Building, MC, IIT Ropar	Dr Nilotpal Singha Email Id:hrms@iitrpr.ac.in Mobile No:8638891294	Working
9.	UV-Visible (Perkin Elmer)	<b>Model - Lambda 950</b>	Dr R V Nair	Installed in TC-1	MrDamninder Singh Email Id:damninder.singh@iitrpr.ac. in Mobile No: 9041859547	Temporarily Not Working (PC needs repairing)
10.	XPS (Thermofisher Scientific)	<b>Model - ESCALAB Xi +</b>	Dr Mukesh Kumar	Installation in process (in CRF building, Main Campus)		
11.	HR-TEM (FEI)	<b>Model- Themis 300 kV</b>	(Dr Rajendra Srivastva)	To be installed		
12.	Cryo-TEM (FEI)	<b>Model- Talos L120C G2</b>	(Dr Rajendra Srivastva)	To be installed		
13.	LSCM (Carl Zeiss)	<b>Model -LSM 880 with Airyscan Fast Module</b>	Dr Durba Pal	To be installed		
14.	FESEM (JEOL)	<b>Model –JSM- 7610F Plus</b>	Dr Prabhat Agnihotri	To be installed		
15.	NMR (600 MHz) (JEOL)	<b>Modela- JNM- ECZ600R/ M3</b>	Dr Manoj Pandey	Installation in process (in chemistry building, main campus)	Mr Manish Kumar Email Id:nmr@iitrpr.ac.in Mobile No: 8146825778	
16.	RAMAN (Horiba)	<b>Model - LABH Rev- UV-Open</b>	Dr Ravi Mohan Prasad	Installed in TC 1 campus	MrDamninder Singh Email Id:ramancrf@iitrpr.ac.in	Working

					Mobile No: 9041859547	
17.	HPC (Netweb Technologies)	<b>Model- Supermicro Cluster</b>	Dr. T. J. Dhillip Kumar	Installed in HPC Room, Opposite security room, Transit campus,	Mr Pankaj Kumar, IT Team Email <a href="mailto:_pankaj@iitrpr.ac.in">_pankaj@iitrpr.ac.in</a> Mobile: 9816518183	Not Working
18.	3D Printer (EOS GmBh)	<b>Model-EOS M 290</b>	Dr Anupam Aggarwal, Dr Ekta Singla, Dr Harpreet Singh, Dr Navin Kumar, Dr P.K. Agnihotri, Dr S.S. Pandhee	Installed in Room No: 114, Mechanical Department, MC, IIT Ropar	MrRakesh Kumar Email Id: <a href="mailto:2017mez0023@iitrpr.ac.in">2017mez0023@iitrpr.ac.in</a> Mobile No: 9040899652  Varinder Kumar Email Id:- <a href="mailto:varinderdhiman7@gmail.com">varinderdhiman7@gmail.com</a> Mobile No:9646910813	Working
19.	Atomic Probe Tomography (APT) At IIT Madras	<b>Model Cameca Leap 5000XR Voltage &amp;Laser Pulse Mode</b>	Dr KhusbooRaka	IIT Madras	Mr Amit Kaushal  Email Id: sem@iitrpr.ac.in Mobile No: 9815448833	IIT Ropar slot is reserved for Monday (full day) every week
20.	Maskless Lithography (Quantum Design)	<b>Model- MicroWriter ML3</b>	Dr Rakesh Kumar	To be installed		
21.	LPCVD	<b>Technos</b>	Dr P K Agnihotri	To be installed		
22.	Sputtering System  (Advance Process Technology)	<b>Custom Made</b>	Dr Mukesh Kumar	To be installed		
23.	Oxidation and Diffusion Furnace (ATV)	<b>Model- PEO- 601</b>	Dr Rakesh Kumar	To be installed		
24.	Optical Microscope (Carl Zeiss)	<b>Model-Upright Optical</b>	Dr K C Jena	To be installed		

		<b>Microscope with CDIC and Highly Sensitive Color Camera</b>				
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*For any Feedbacks/Suggestions/7Clarifications / Complaints kindly contact-*

Dr Avijit Goswami, Chairman CRF

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