



Research Infrastructure

MSME, IIT Hyderabad

Electron Microscopy Facility - Transmission Electron Microscopes



JEOL JEM F200

TEM with COLD-FEG, equipped with EDS & STEM detectors.



JEOL JEM 2100

TEM with EDS & STEM detectors.

For more details:

Mr. Laxminarayana M., Technical Superintendent

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Electron Microscopy Facility - FE-SEM & Multi Beam System



JEOL JSM-7800F

JEOL JSM-7800F FE-SEM is equipped with EDS, WDS & EBSD



JEOL JIB-4700F

Multibeam FIB-SEM system is equipped with EDS & EBSD

For more details:

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X-Ray Diffraction Facility – Thin-film XRD & Multipurpose XRD



Bruker – D8 Discover
Thin-film XRD



Rigaku – Ultima IV
Bulk and Powder XRD

For more details:
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Raman Spectroscopy & Atomic Force Microscopy Facilities



WITEC Alpha 300 R
Raman Spectroscopy



Park Systems, NX10
Atomic Force Microscopy



Quorum:Q150R
Table Top Gold Sputtering



**PerkinElmer,
Lambda 365**
UV-Vis spectroscopy

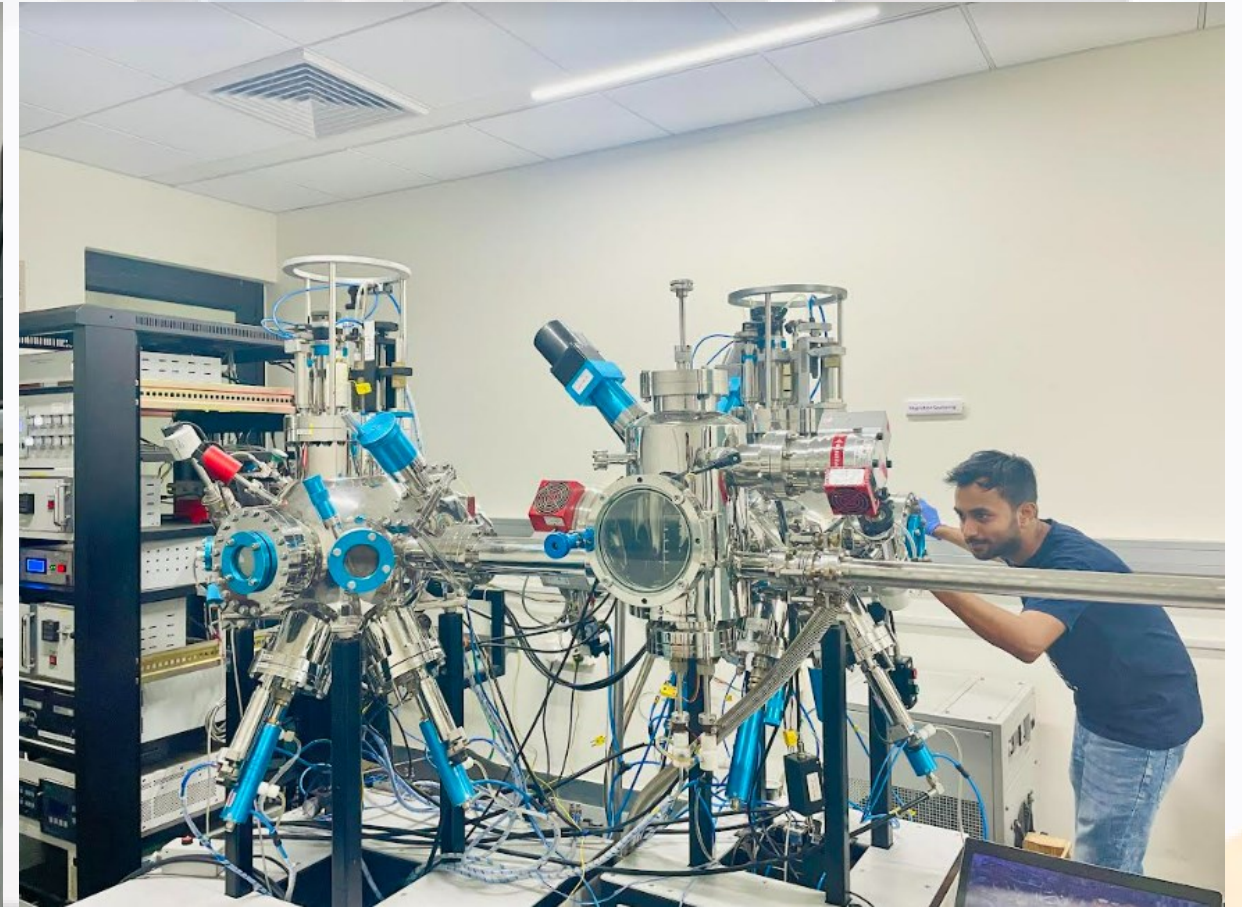
For more details:

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Pulsed Laser Deposition (PLD)/ Magnetron Sputtering



For more details:

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Structure Material Laboratory



For more details:
Mr. B V Raju, Technical Officer
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Arc Melting Furnace & DSC



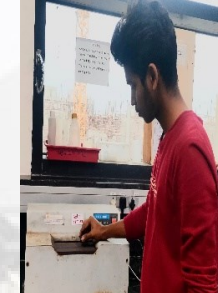
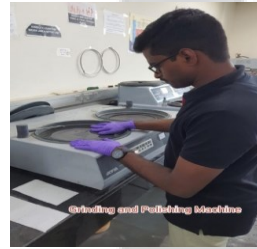
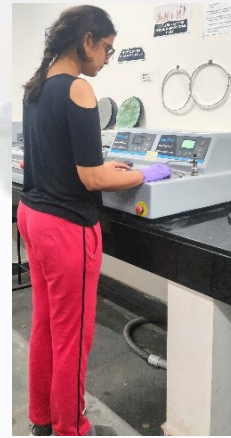
Arc Melting Furnace
HHV



DSC – NETZSCH
Differential Scanning calorimeter

For more details:
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Metallography Lab



For more details:
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Biomaterial Lab



ORBITAL SHAKING INCUBATORS
Labwit Scientific- ZWY-240



**BIOSAFETY CABINETS – Heal
Force - HFSAFE -900 LC**



**VERTICAL AUTOCLAVE –
Biotechnics India- BTI-02**

For more details:
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Powder Metallurgy Lab



For more details:

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Mechanical Testing Lab



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Physical Property Measurement System (PPMS)

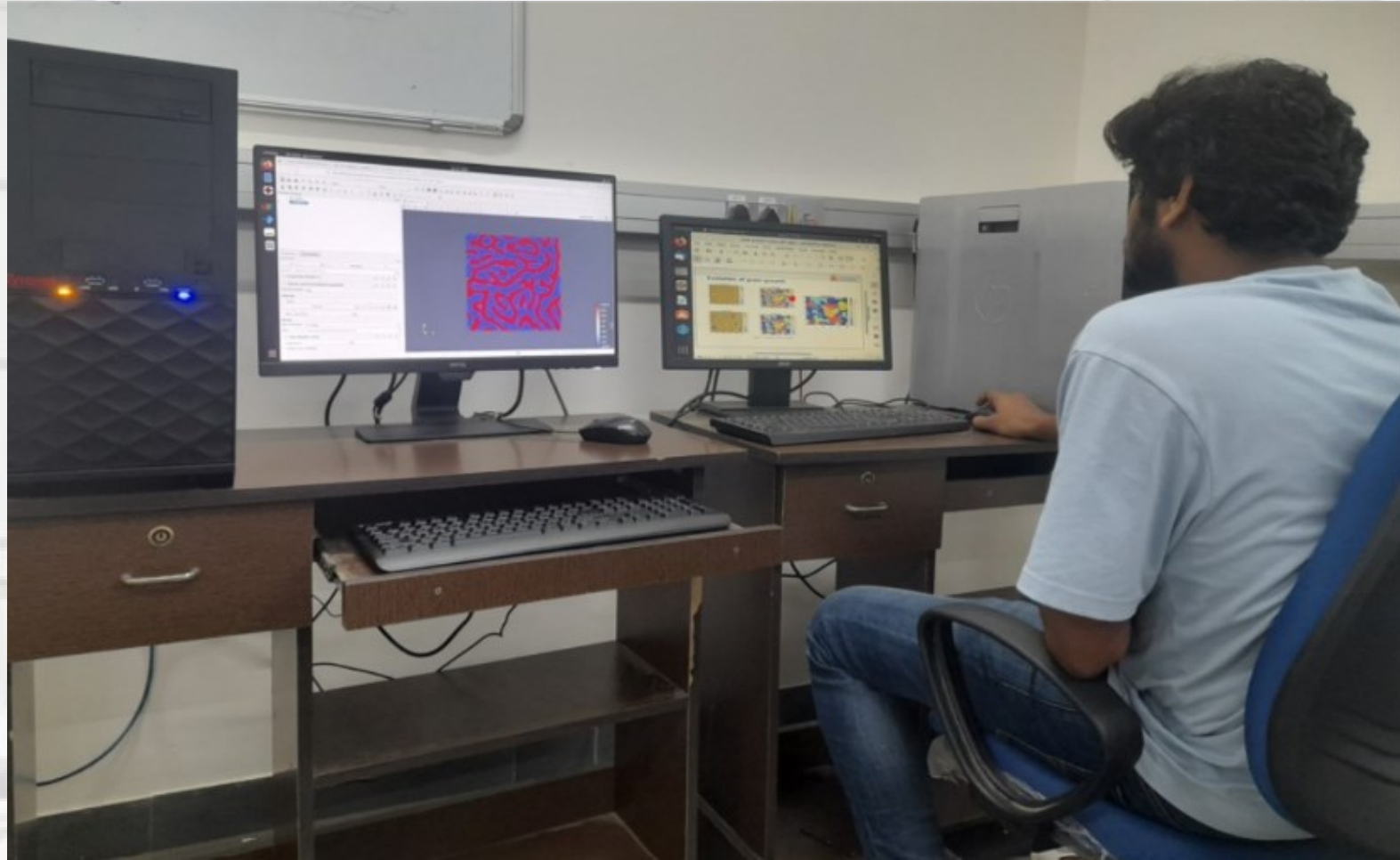


Dynacool

VSM, ETO, & Heat capacity at cryogenic

For more details:
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Material Simulation Lab



For more details:
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