

Major Sophisticated Research Equipment

1



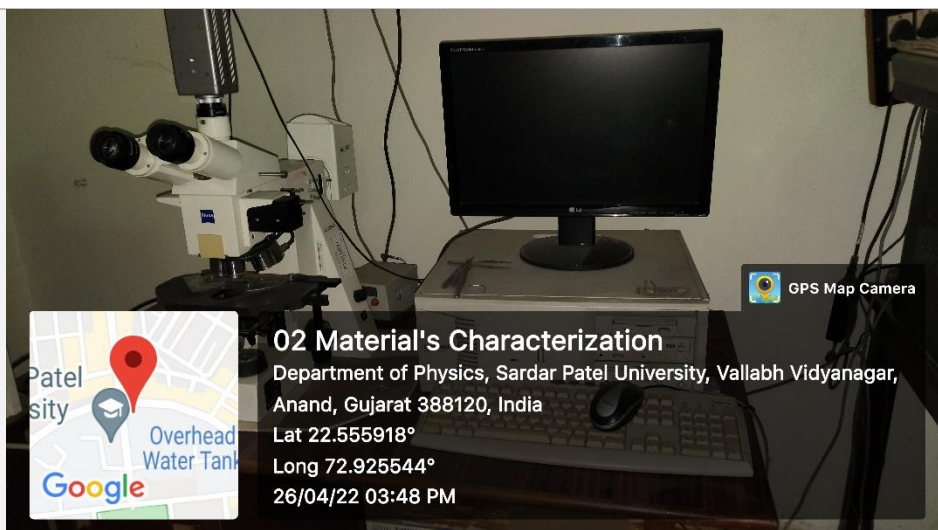
Hall Effect Measurement System (Lakeshore) COSIST

2



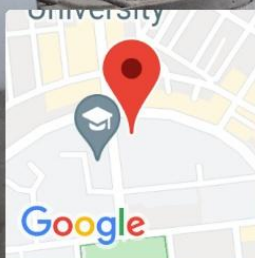
Imaging Spectrometer (Horiba Jobin Vyon) DAE-BRNS-PII

3



Trinocular Upright Metallurgical Microscope (Carl Zeiss) DRS/SAP-PII

4



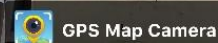
High Temp. Crystal Growth Furnace

Department of Physics, Sardar Patel University, Vallabh Vidyanagar,
Anand, Gujarat 388120, India

Lat 22.555763°

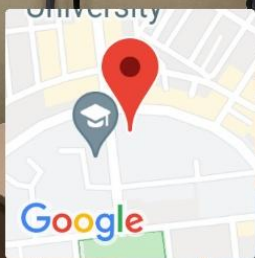
Long 72.925667°

07/05/22 11:54 AM



High Temperature Furnace 1700 °C (Agni) COSIST

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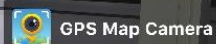
Single Crystal X-Ray Diffractometer

Department of Physics, Sardar Patel University, Vallabh Vidyanagar,
Anand, Gujarat 388120, India

Lat 22.555738°

Long 72.925683°

07/05/22 11:52 AM



Single Crystal X Ray Diffractometer (BRUKER) DST/FIST

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POWDER X-RAY DIFFRACTOMETER

Department of Physics, Sardar Patel University, Vallabh Vidyanagar, Anand, Gujarat 388120, India

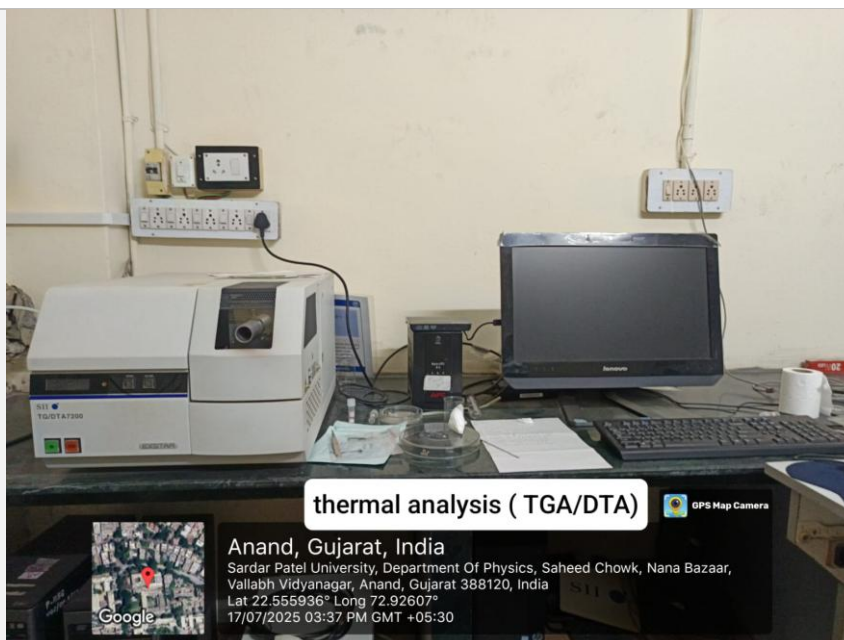
Lat 22.55585°

Long 72.925648°

26/04/22 03:19 PM

Powder X Ray Diffractometer System with thin film attachment (RIGAKU) DRS/SAP

7



thermal analysis (TGA/DTA)



Anand, Gujarat, India

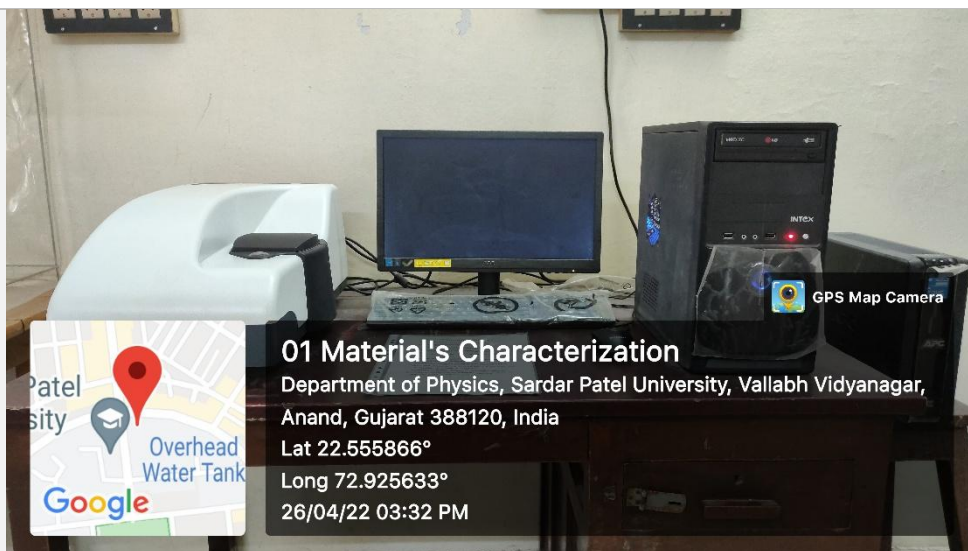
Sardar Patel University, Department Of Physics, Saheed Chowk, Nana Bazaar, Vallabh Vidyanagar, Anand, Gujarat 388120, India

Lat 22.555936° Long 72.92607°

17/07/2025 03:37 PM GMT +05:30

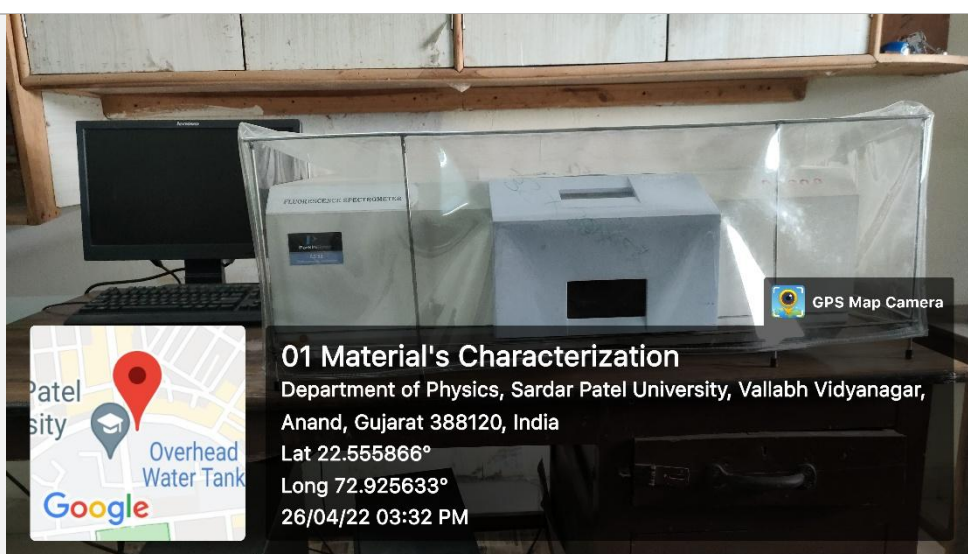
Thermal Analyser TGA /DTA (SII Nano Tech) DAE/BRNS

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Particle Size Analyser (Malvern Instruments) DRS/SAP

9



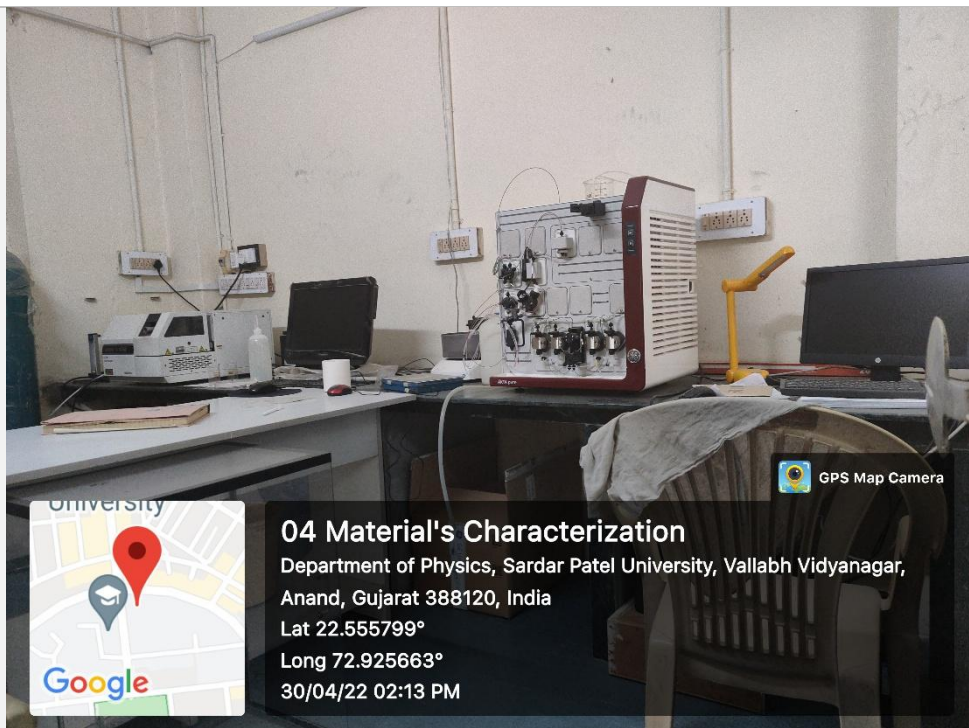
Photoluminescence Spectrometer (Perkin Elmer) DSA/SAP

10



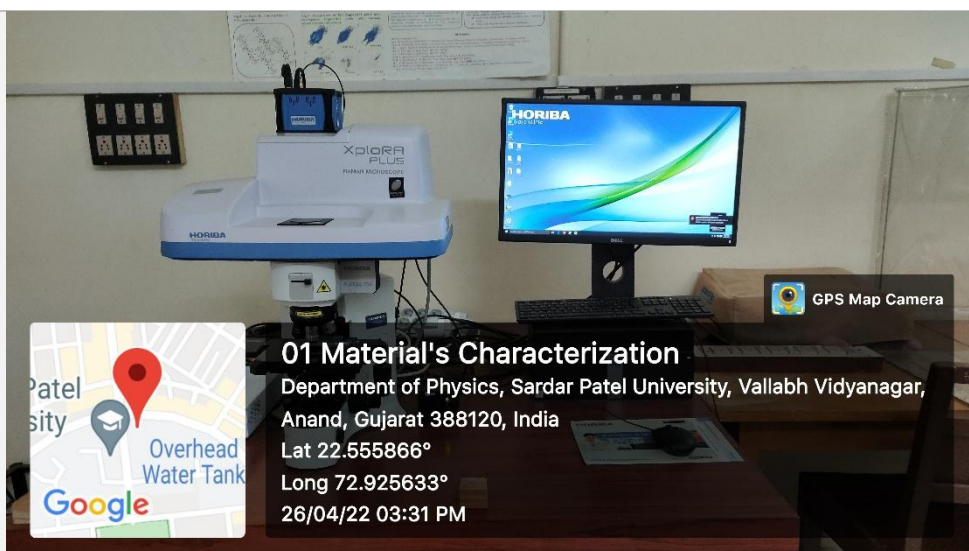
Potentiostat / Galvanostat (Astron Electronics) DSA/SAP

11



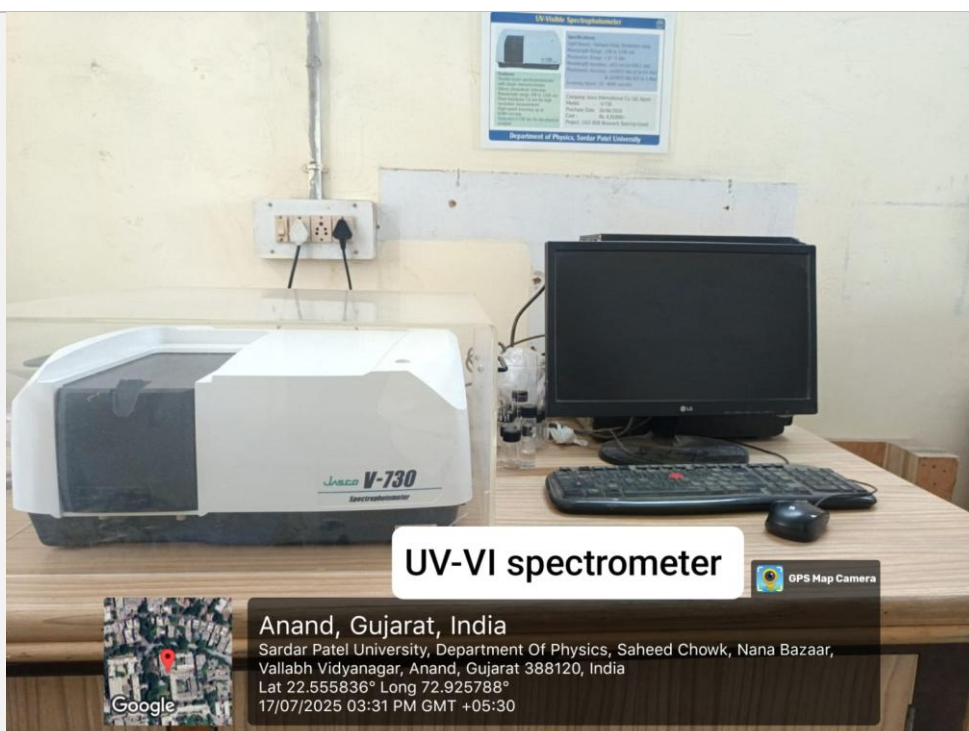
FPLC System with HP 280 with Desktop (GE -America) DST-FIST

12



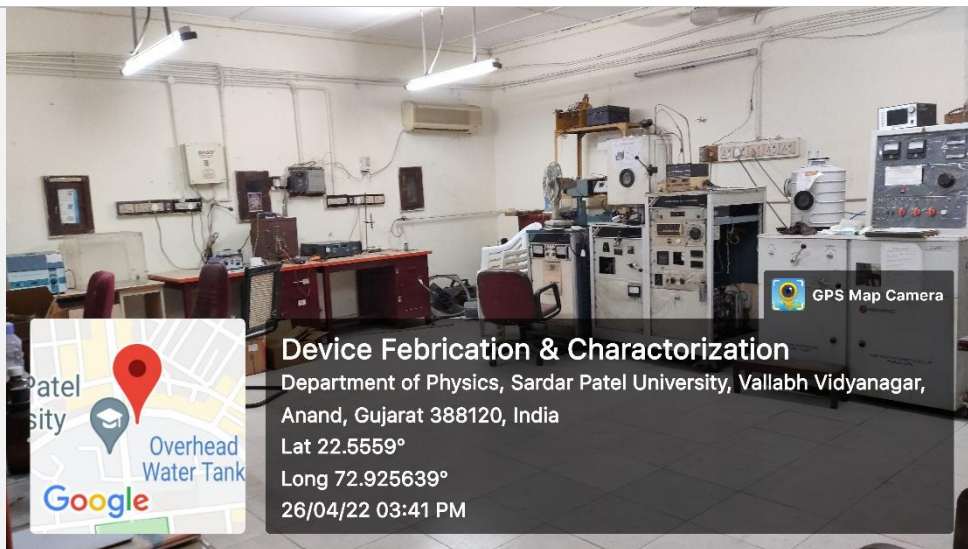
Micro Raman Spectrometer (Horiba Xplora) DST –FIST

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UV-VIS Spectrophotometer (ANATEK Services Pvt.Ltd.) UGC SP GR BSR-SJP

14



High Vacuum Coating Unit (Hind High Vac) DRS/SAP-PI

15



Precision LCR Meter HP4284A (Hewlett-Packard) DRS/SAP-PI

16



High Temperature Muffle Furnace (Barnstead Thermolyne) DRDO/SKA -PII

17



High Temperature Muffle Furnace (Barnstead Thermolyne) DRS/SAP-PII

18



Keithley Source Meter 2400 (Keithley) DRS/SAP/KDP

19



Semiconductor Characterization System (Keithley) CEAP (CPEPA)

20



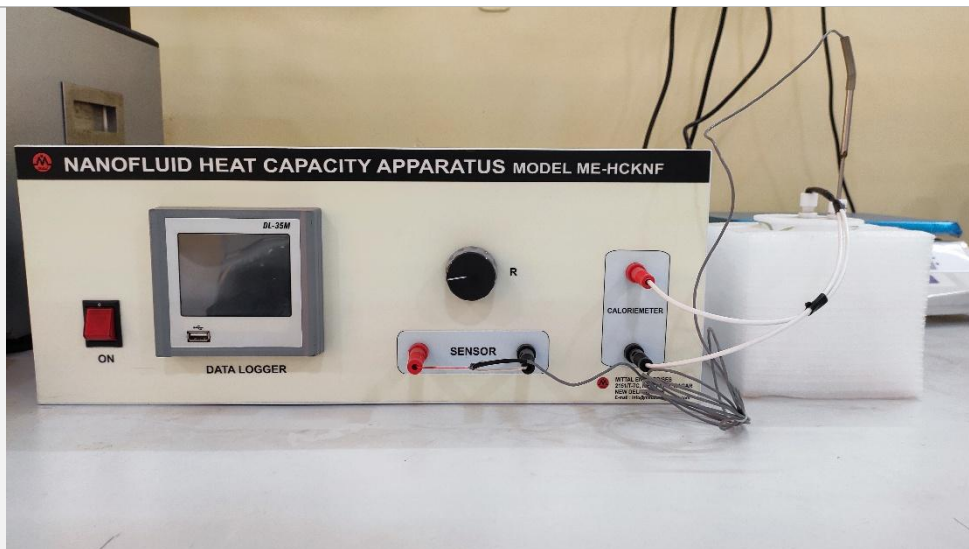
Turbo Pump and Diaphragm Vacuum Pump (Pfeiffer Vacuum) LE/2015-16

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Thermal Conductivity Apparatus (Mittal Enterprise Wintronix) C.C.Desai Mem. Fund

22



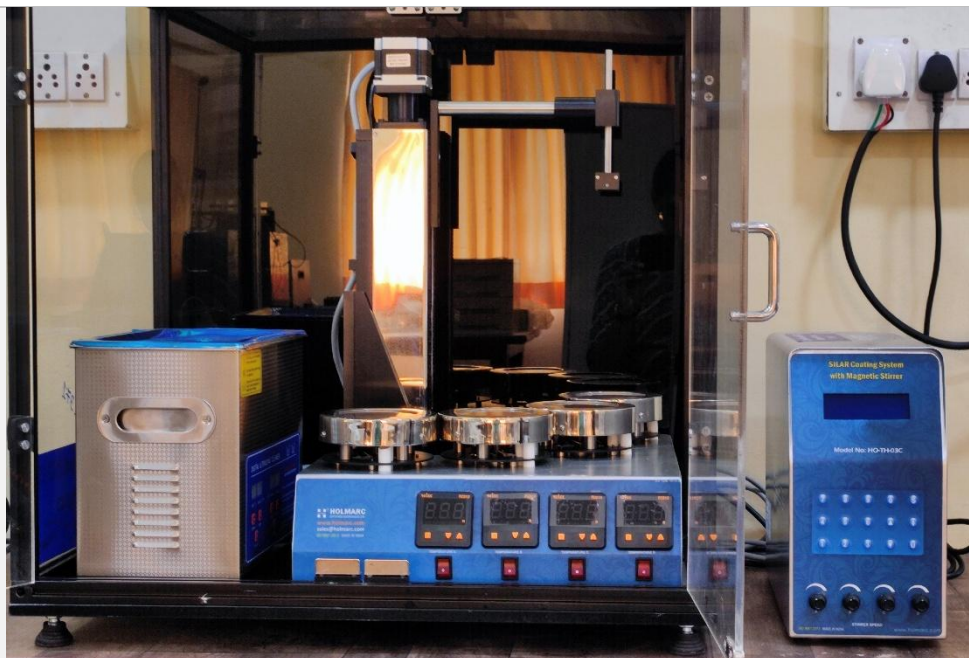
Nano Fluid Heat Capacity Apparatus (Mittal Enterprise Wintronix) C.C.Desai Mem. Fund

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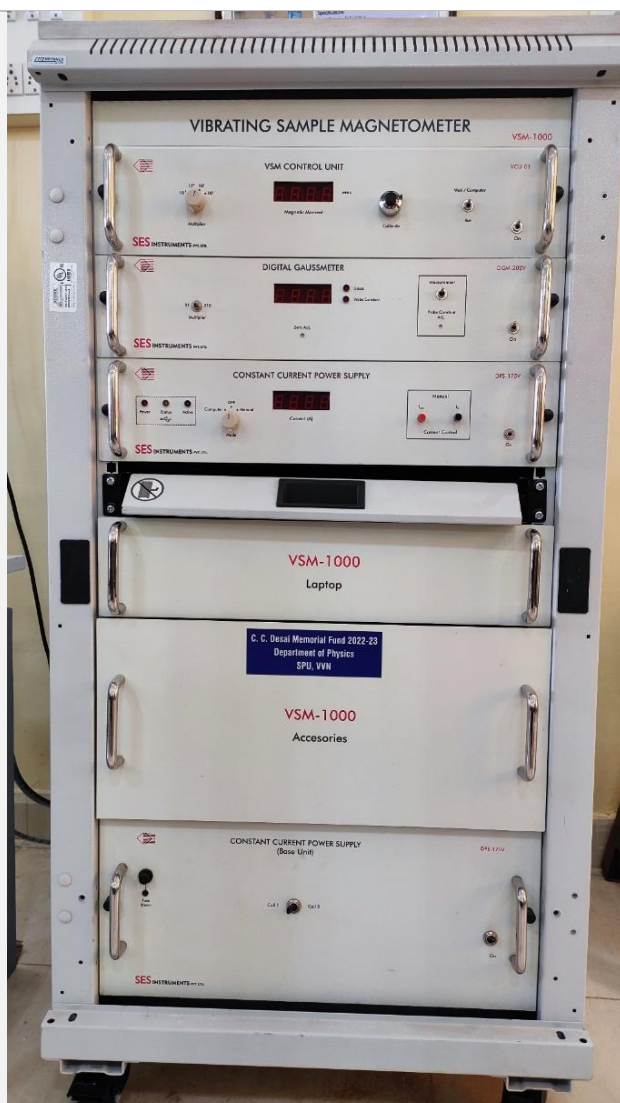
High Precision Crystal Growth Puller (Raana Semiconductor Pvt.Ltd) C.C.Desai Mem. Fund

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Silar Coating System (HolMarc Opto Mechatronic Ltd) C.C.Desai Mem. Fund

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Vibrating Sample Magnetometer (SES Instruments Pvt. Ltd) C.C.Desai Mem. Fund