

UNIVERSITY INSTRUMENTATION FACILITY

Major Instruments/ Equipment

University Instrumentation Facility (UIF) comprised of sophisticated and high end equipments for taking the cross boundary research in Science, Technology & Engineering to another level. UIF provides facility to innovators, researchers and students to pursue competitive research to international level. The facility aims to be a centralized facility in years to come and to be hub for dedicated and collaborative analytical research. UIF runs under the preview of research & development and consultancy departments of the University. Ministry of Food Processing industries (MoFPI) sponsored food testing laboratory is centre for this facility.

List of Sophisticated Instruments

Name of Instrument	Model & Make	Tests to be performed	Amount (INR)			Contact No.	
			Internal	External	Under Collaboration		
AutoCad	2021-Autodesk	Architectural services	Rs-27per sqft	Rs-30per sqft	As per terms and conditions	Dr. B.S. Dhot 88725006 61	
Sieve Analysis Set	HEICO,New Delhi	Sieve Analysis	0	2500	As per term and condition		
Hydrometer & Glass Jars	Commercial Equipment New Delhi	Hydrometer Analysis	0	5000	-		
Pycnometer & Density Bottle	HEICO,New Delhi	Specific Gravity Test	0	2500	-		
Speedy Moisture Tester & Core Cutter	Engg. Models & Equipment Roorkee	Moisture Content, Field Density by Core Cutter	0	1500	-		
Sand Pouring Cylinder App.	Precision Industries New Delhi	Moisture Content, Field Density by Sand Replacement	0	3000	-		
Relative Density App.	HEICO,New Delhi	Relative Density Test	0	3000	-		
Liquid Limit App.	Precision Industries New Delhi	Liquid Limit, Plastic Limit	0	3000	-		
Compaction App.	Precision Industries New Delhi	Compaction Test	0	3000	-		
Compression Test App.	HEICO,New Delhi	Unconfined Compression Test	0	5000	-		
Permeability Test App.	Precision Industries New Delhi	Permeability Test	0	4000	-		
Direct Shear App.	HEICO,New Delhi	Direct Shear Test	0	5000	-		
Triaxial Test App.	HEICO,New Delhi	Triaxial Test	0	8000	-		Sh. P.S. Chahal 94175077 53
Consolidation Test App.	Precision Industries New Delhi	Consolidation Test	0	8000	-		

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C.B.R. App.	HEICO,New Delhi	C.B.R Test	0	4000	-
Sieve Analysis Set	HEICO,New Delhi	Soil Test Brick (Classification)	0	2000	-
Compaction By Core Cutter App.	HEICO,New Delhi	Compaction(MDD/O MC) Test	0	3000	-
Load Truss App.	HEICO,New Delhi	Plate Load Test	0	20,000	-
Standard Penetration Test App.	Precision Industries New Delhi	Bearing Capacity by SPT (<6)	0	8000 per bore hole	-
Standard Penetration Test App.	Precision Industries New Delhi	Bearing Capacity by SPT (6m-15m)	0	8000+1000 per additional beyond 6m	-
Standard Penetration Test App.	Precision Industries New Delhi	Bearing Capacity by SPT (15m-20m)	0	17000+1100 per additional meter beyond 15m	-
Standard Penetration Test App.	Precision Industries New Delhi	Bearing Capacity by SPT (20m-25m)	0	22500+1200 per additional meter beyond 20m	-
Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (25000)	0	13000	-
Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (50000)	0	13000	-
Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (75000)	0	13000	-
Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (1.0 Lac)	0	16000	-
Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (1.5 Lac)	0	16000	-
Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (2.0 Lac)	0	16000	-
Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (2.5 Lac)	0	18000	-
Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (5.0 Lac)	0	18000	-

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Standard Penetration Test App.	Precision Industries New Delhi	Soil Bearing Capacity (10.0 Lac)	0	18000	-
Lab CBR Test Appartus	Precision Industries New Delhi	California Bearing Ratio (CBR) Test	0	5000	-
Modified Proctor Test Appartus	HIECO NEW DELHI	Compaction (MDD/OMC) Test	0	3000	-
Aggregate Crushing Test Appartus	Precision Industries New Delhi	Crushing Value Test	0	3000	-
Los Angle'S Abrasion Test Appartus	HEICO,New Delhi	Abrasion Value Test	0	3000	-
Impact Value of Aggregate Test App.	HEICO,New Delhi	Impact Value Test	0	3000	-
Standard Test Sieve Set	Advance Scientific and Engg. Works	Gradation Test	0	3000	-
Thickness Gauge	Engg. Models & Equipment Roorkee	Flakiness Index Test	0	3000	-
Length Gauge	Engg. Models & Equipment Roorkee	Elongation Index Test	0	3000	-
Specific Gravity of agregate Test App.	Advance Scientific and Engg. Works	Specific Gravity Test	0	2000	-
Water Absorption Test App.	Mansons Commerce & Ind. CHD.	Water Absorption Test	0	1000	-
Pentrometer	Precision Industries New Delhi	Penetration Test	0	3000	-
Ductility Testing App.	Precision Industries New Delhi	Ductility Test	0	3000	-
Ring & Ball Test App.	Engg. Models & Equipment Roorkee	Softening Point Test	0	3000	-
Pensky Marton'S Open Cup Test App.	Advance Scientific and Engg. Works	Flash & Fire Point Test	0	3000	-
Viscosity Test For Bitumen App.	Precision Industries New Delhi	Viscosity Test	0	3000	-
NA		Specific Gravity Test	0	3000	-
Moterised Film Stripping Device	HEICO,New Delhi	Stripping Value Test	0	3000	-
Centrifugal Extractotr App.	AIMIN LTD New Delhi	Bitumen Content Test	0	3000	-

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Field Density Test App.	Precision Industries New Delhi	Field Density Test by Sand Replacement Method	0	5000	-
NA		Field Density Test by Core Cutter	0	3000	-
Fifth Wheel Bump Integrator App.	Roorkee Sales Indicate Roorkee	Road Roughness Test using Roughometer	0	5000 per km.(min 20000)	-
Benkleman Beam App.	AMIL New Delhi	Benkleman Beam Deflection Test	0	5000 per km.(min 20000)	-
Bitumen Extractor App.	AMIL New Delhi	BM/SDBC/BC	0	25000	-
Standard Test Sieve Set	Advance Scientific and Engg. Works	WMM/GSB	0	25000	-
Marshall Stability Test	Precision Industries New Delhi	Design of Flexible Pavement	0	50000	-
Compression Testing Machine	Precision Industries New Delhi	Design of Rigid Pavement	0	50000	-
Marshall Stability Test	Precision Industries New Delhi	Design of Overlay for Flexible Pavement	0	50000	-
pH Meter & Chlorides by Chemical Test & TDS	May Fair Marketing Kotakpura	Water Testing (Construction Purpose)	0	2500	-
BOD Incubator	MediLab Enterprises CHD	Effluent/Sewage Sample Test (PH, COD,BOD, TSS, E-Coli/ Fecal Coliform)	0	4500	-
BOD Incubator	MediLab Enterprises CHD	BOD Test	0	1000	-
Chemical Test	Oswal Sensitive CHD	COD Test	0	1000	-
Chemical Test	Oswal Sensitive CHD	Dissolved Oxygen	0	1500	-
NA		Sulphate Test	0	1000	-
NA		E-Coli/Fecal Coliform	0	1000	-
pH Meter	May Fair Marketing Kotakpura	PH	0	500	-
Electric Oven & Jars	Toshniwal Brothers New Delhi	TSS	0	500	-
Compression Testing Machine	HIECO NEW DELHI	Crushing Strength/ Value Test	0	1500	-

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Aggregate Impact Value App.	HEICO,New Delhi	Impact Value Test	0	1500	-
Sieve Analysis Set	Engg. Models & Equipment Roorkee	Gradation Test/Sieve Analysis/ Fineness Modulus	0	1500	-
Thickness Gauge	Engg. Models & Equipment Roorkee	Flakiness Index Test	0	1500	-
Length Gauge	Engg. Models & Equipment Roorkee	Elongation Index Test	0	1500	-
Specific Gravity Bottle Ap.	Engg. Models & Equipment Roorkee	Specific Gravity Test	0	1000	-
Glass Beaker & Chemical	Borosil	Silt/ Clay Content	0	1000	-
NA		Density/Bulk Density/ Dry Density	0	1000	-
Water Tank & Weighing Balance	Kumar Brothers Bhopal	Water Absorption Test	0	1000	-
Glass Beaker	Borosil	Deleterious Material Test	0	1000	-
Glass Beaker	Borosil	Organic Material Test	0	1000	-
Compression Testing Machine	HEICO,New Delhi	Brick Testing (6 Bricks)	0	1500	-
Vicat App., Small Cube Mould & CTM	HEICO,New Delhi	Cement Testing (01 bag)	0	2500	-
Compression Testing Machine	HEICO,New Delhi	Concrete Cube (03 Cubes)	0	1000	-
Compression Testing Machine & Cube Moulds	HEICO,New Delhi	Concrete Mix Design (Without Admixture)	0	8000	-
Compression Testing Machine & Cube Moulds	HEICO,New Delhi	Concrete Mix Design (With Admixture)	0	12000	-
Universal Testing Machine	Enkay Enterprises New Delhi	Steel Testing (up to 25 mm)	0	2000	-
Universal Testing Machine	Enkay Enterprises New Delhi	Above 25mm	0	2500	-
Flexural Testing Machine	Rajco Scientific & Engg Products Delhi	Flexural Strength of Concrete Beam	0	1500	-
Loading Frame	Engg. Models & Equipment Roorkee	Compressive Strength of Concrete Beam	0	1500	-

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Compression Testing Machine	HEICO, New Delhi	Interlocking Tiles	0	1000	-	
Compression Testing Machine	HEICO, New Delhi	Kerbs Stone/ Pavers Test	0	1000	-	
Compression Testing Machine	HEICO, New Delhi	Vitrified/ Creamic Tiles Test	0	3500	-	
Compression Testing Machine	HEICO, New Delhi	Granite/ Marble/ Kota Stone/ Sand Stone Test	0	2000	-	
Coating Thickness Gauge	Enkay Enterprises New Delhi	Aluminium Section Test	0	1000	-	
Automatic Feed Core Cutter Machine & Digital Rebound Hammer	Hilty & Mars EDPAL Inst Ambala Cantt	NDT	0	As Per Problem	-	
		Structural Design of RCC Buildings	0	Rs. 4 per sq. ft (Rs.10,000 min)	-	
		Structural Design of Steel Buildings	0	As Per Problem	-	
		Structural Design of Water Tank/ STP/ WTP	0	As Per Problem	-	
Loading Frame	Engg. Models & Equipment Roorkee	Man Hole Cover Testing	0	3000	-	
		Vetting/ Proof Checking of Structure	0	As Per Problem (Rs.10,000 min.)	-	
Fourier Transform Infrared Spectrometer	Model: Spectrum-Two, Make: Parkin Elmer Singapore	IR studies	50 per sample	300 per sample	200 per sample	Dr. Kewal Kumar 94173694 63
UV-VIS Spectrophotometer	Model: G 105 UV-Vis, Make: Gensys Thermo Scientific 19 S UV VIS- 68	UV-VIS studies for liquid samples	50 per sample	300 per sample	200 per sample	Dr. Meenu 98727282 59
Fluorescence Spectrophotometer	Model: G9800AA, Make: Agilent Technology Singapore	Fluorescence studies for liquid samples	150 per sample	600 per sample	300 per sample	Dr. Kirandeep Kaur 94645557 17
Cyclic Voltameter	Model: CHIXXX Cell System, Make: CH Instruments	Redox studies for liquied samples	100 per hour	500 per hour	200 per hour	Dr. S. P. Singh 82669393 41

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GC-MS/MS	Agilent Technologies Inc	Heavy metals/pesticide residue	2544	5088	3500	Dr. K.S. Sandhu 70157094 03
Freeze Dryer	Labconco	Freeze drying	1000	2000	1500	
Tool Maker's Microscope	2014	To see Profile & Measurement Minor dimensions of sample	800	1000	As per term and condition	87250-72416 Dr. Uttam Mandal 98724195 42 Dr. Amit Bhatia 92164114 42
Surface Roughness Tester	2014	To measure Surface Roughness of any sample	400	500	-	
Micrometer of various ranges	1993	To measure Micro lengths/diameters of any sample	160	200	-	
Vernier Caliper	1993	To measure lengths of any sample	80	100	-	
Metallurgical Microscope	2006	Check the micro Structure of sample	240	300	-	
Slow Speed Saw with Diamond Cutter	2006	Cutting of Coated Samples	400	500	-	
Micro Hardness Tester	2006	Checking of Hardness Samples	400	500	-	
Wear and Friction Tester	2008	Check of Wear & Friction	400	500	-	
Sample Analysis using Air Jet Erosion Tester	2008	Erosion teasting	1200	1500	-	
Digital Universal Testing Machine	2014	Tensile, Bending & Compression testing	1200	1500	-	
Variable Compression Ratio Multi fuel Engine (Computerised)	2014	Research on Various Fuel Properties	4000	5000	-	
Double Disc Polishing Machines	1993	Polishing of samples	120	150	-	
Tube Furnace	1993	Corosion teasting	120	150	-	
Impact Testing Machine	1993	Impact testing of sample	120	150	-	
UV-Vis Spectrometer (Per sample)	UV1800ENG24 0V, Shimadzu	Ultravoilet Analysis of Drug and other exciepients	20/-	120/-	Rs 50	
Research Microscope with Digital	Radical	For Analysis of small tissue and cells	560	700	Rs 400 per Sample	

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HPLC	1589 UV/ECD & Waters	Analytical Qualitative	Rs. 1000 per Sample	Rs. 2000 per Sample	Rs 1200 per Sample	Dr. Ashish Baldi 8968423848
	1589 UV/ECD & Waters	Analytical Quantitative	Rs. 1500 per Sample	Rs. 2500 per Sample	Rs 1500 per Sample	Dr. Ashish Baldi 8968423848
Ultra Microtome		Tissue Cutting (Including Strain Grids)	400	1000	Rs 600 per Sample	Dr. Rahul Deshmukh 9988904375
Trash Analyser	MAG Engineer	Trash Content %-Cotton	0	900	As per term and Condition	9417121859
Air Permeability tester model YG 461-II with standard accessories nozzle	Indian Trading Company	Air Permeability test of Fabric	0	900	NO	9417121859
Yarn Twist Tester	Medilab	Twist Test of Yarn	0	900	NO	
Martindle Abrasion Tester	Precesion Industry	Abrasion Test of Fabric	0	900	NO	
Carding Machine	Indian Trading Company	Sample Preperation	0	1500	NO	
High Speed Draw Frame	Surya System	Roving Sample	0	1500	NO	
Plain Circular Knitting Machine	STM	Knitting Sample of 20 S & 24 S	0	1500	NO	
Rapier Loom	Laxmi	Weaving Sample	0	1500	NO	
Laundero Meter	Medi Lab	Fastening Test	0	800	NO	9888813454
Lea Strength Tester	Precesion Industry	Lea Strength of Yarn	0	800	NO	9417121859
Thickness Tester	Precesion Industry	Thickness Test of Fabric	0	800	NO	
Crease Recovery Tester	Precesio Industry	Crease Recovery Test of Fabric	0	800	NO	
Pilling Tester	Vee Kay Industry	Pilling Test of Fabric	0	800	NO	
Indentification of Fibres	Manual -Kit	Fibres Indentification Test	0	800	NO	9888813454
Halogen Moisture Analyser	MediLab	Moisture regain Test	0	1500	NO	

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Yarn CV Tester - Kit	Manual -Kit	Yarn CV % age/No. of Fibre/Crosssection Tset	0	1200	NO	94171218 59
GSM Machine	Precesio Industry	Weight per Unit AREA	0	1000	NO	94176539 13
Count/Danier (Wrap/Weft)	Manual -Kit	Count/Danier (Wrap/Weft) Test	0	1000	NO	
Drap Tester	Vee Kay Industries	Stifness Test/Drap	0	800	NO	94171218 59
Read Count (EPI & PPI)	Manual -Kit	Read Count (EPI & PPI)	0	800	NO	94176539 13
Weave Analysis Test	Manual -Kit	Weave Analysis Test	0	800	NO	
INSULATING OIL TESTER	A – 10, UDEY	Testing of Transformer Oil	0	-	-	94638 36070
POWER QUALITY ANALYZER	C.A 8334 CHAUVIN ARNOUX	Testing of Induction motors			-	
POWER QUALITY ANALYZER	C.A 8334 CHAUVIN ARNOUX	Power Quality Analysis and Energy Audit				

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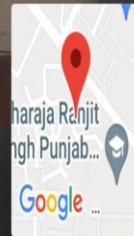
Major Instruments/ Equipment



5WMF+QC7, Lal Singh Nagar, Bathinda, Punjab 151001, India

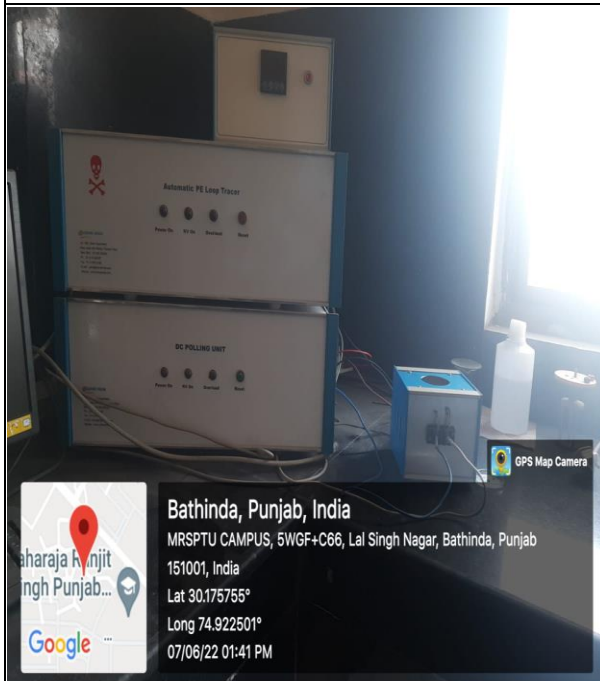
Latitude 30.1847858° Longitude 74.923252°
Local 10:40:21 AM Altitude 0 meters
GMT 05:10:21 AM Tuesday, 07-06-2022

Auto Coater



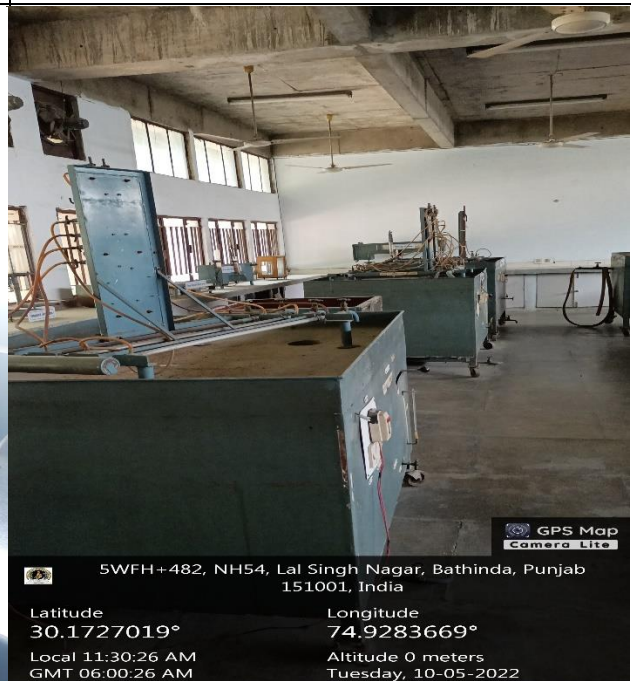
Bathinda, Punjab, India
MRSPTU CAMPUS, 5WGF+C66, Lal Singh Nagar, Bathinda, Punjab
151001, India
Lat 30.176038°
Long 74.922692°
07/06/22 01:38 PM

Agar auto sputter coater



Bathinda, Punjab, India
MRSPTU CAMPUS, 5WGF+C66, Lal Singh Nagar, Bathinda, Punjab
151001, India
Lat 30.175755°
Long 74.922501°
07/06/22 01:41 PM

Automatic PE loop



5WFH+482, NH54, Lal Singh Nagar, Bathinda, Punjab
151001, India
Latitude 30.1727019° Longitude 74.9283669°
Local 11:30:26 AM Altitude 0 meters
GMT 06:00:26 AM Tuesday, 10-05-2022

Bernoulli apparatus

UNIVERSITY INSTRUMENTATION FACILITY

Major Instruments/ Equipment



5WFG+63X, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.173178333333333°	Longitude 74.925516666666667°
Local 11:32:48 AM GMT 06:02:48 AM	Altitude 162.8 meters Tuesday, 10-05-2022

BOD incubator



Main dabwali road, corner, Badal Rd, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.1763532°	Longitude 74.9294629°
Local 03:10:24 PM GMT 09:40:24 AM	Altitude 0 meters Monday, 09-05-2022

Centrifuge



5WFH+482, NH54, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.1727019°	Longitude 74.9283669°
Local 11:39:21 AM GMT 06:09:21 AM	Altitude 0 meters Tuesday, 10-05-2022

Compression testing machine



5WGC+HVV, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.1763°	Longitude 74.921655°
Local 12:06:48 PM GMT 06:36:48 AM	Altitude 160.9 meters Tuesday, 07-06-2022

Cooling centrifuge

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Major Instruments/ Equipment



GPS Map
Camera Lite

The Epicentre office, #CE 20, West wing, Department of Civil engineering, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude
30.17291°

Local 11:33:59 AM
GMT 06:03:59 AM

Longitude
74.92571833333334°

Altitude 164.4 meters
Tuesday, 10-05-2022

CTM



GPS Map
Camera Lite

5WFC+6WP, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude
30.173427°

Local 10:33:56 AM
GMT 05:03:56 AM

Longitude
74.9225213°

Altitude 0 meters
Tuesday, 07-06-2022

Dissolution Apparatus

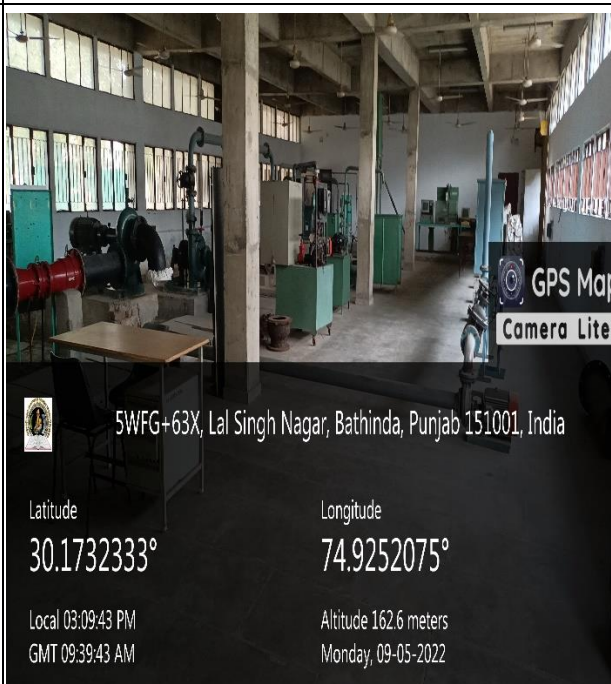


GPS Map
Camera



Bathinda, Punjab, India
5WFF+5QW, Lal Singh Nagar, Bathinda, Punjab 151001, India
Lat 30.172975°
Long 74.92445°
07/06/22 03:53 PM

Electrochemical workstation



GPS Map
Camera Lite

5WFG+63X, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude
30.1732333°

Local 03:09:43 PM
GMT 09:39:43 AM

Longitude
74.9252075°

Altitude 162.6 meters
Monday, 09-05-2022

Flow

UNIVERSITY INSTRUMENTATION FACILITY

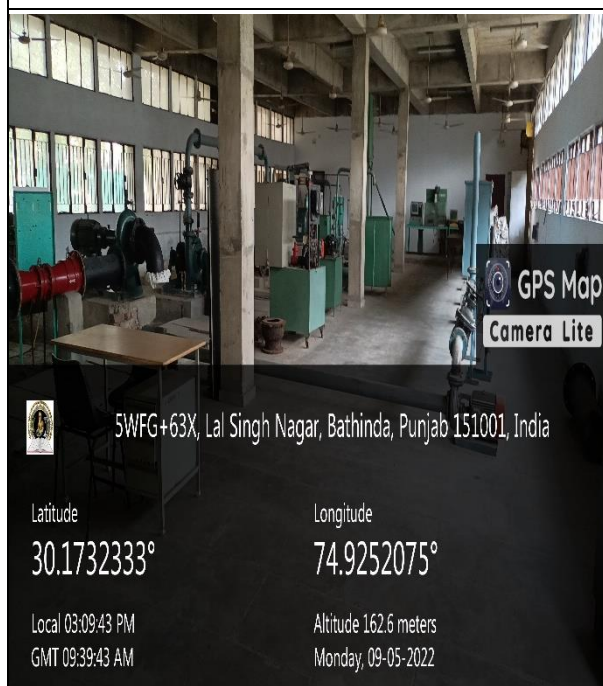
Major Instruments/ Equipment



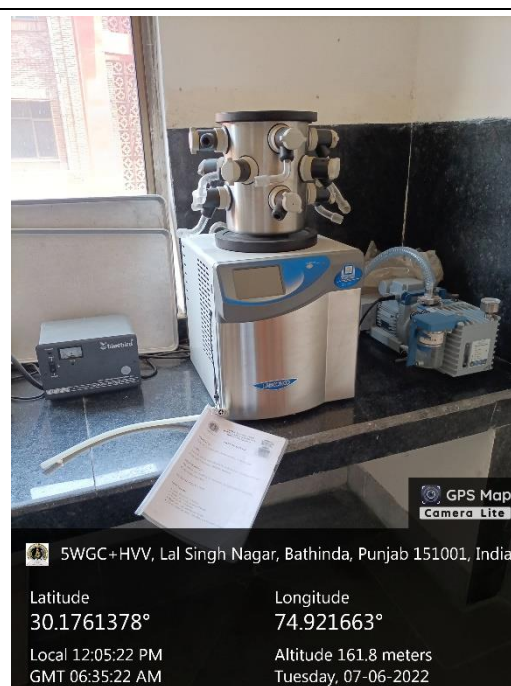
Fluidized bed dryer



Fourier Transform Infrared Spectrophotometer (FTIR)



Flow




Freeze dryer

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Major Instruments/ Equipment




 Giani zail singh college, 5WGC+36C, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.175693333333335°	Longitude 74.92119166666666°
Local 12:01:08 PM GMT 06:31:08 AM	Altitude 175.4 meters Tuesday, 07-06-2022

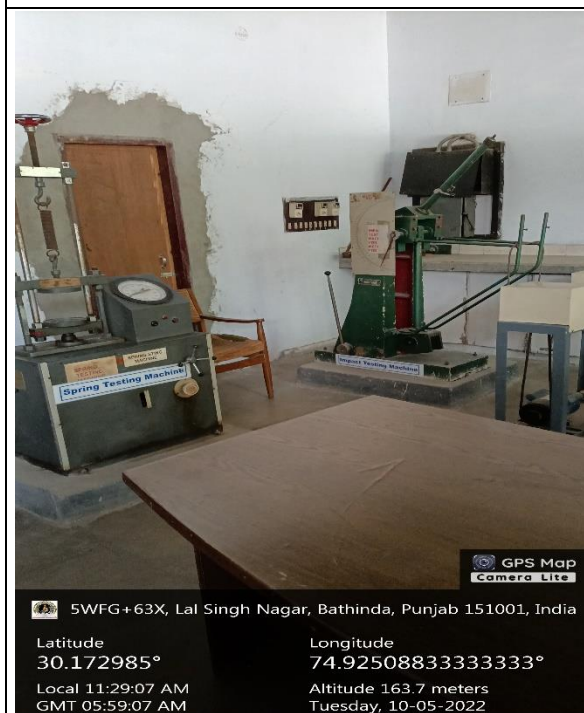
GC-MS




 5WFF+M5W, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.1746751°	Longitude 74.9227373°
Local 11:01:52 AM GMT 05:31:52 AM	Altitude 162.9 meters Tuesday, 07-06-2022

HPLC




 5WFG+63X, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.172985°	Longitude 74.92508833333333°
Local 11:29:07 AM GMT 05:59:07 AM	Altitude 163.7 meters Tuesday, 10-05-2022

ITM & STM



 5WGC+HVV, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.1761204°	Longitude 74.9216549°
Local 12:04:31 PM GMT 06:34:31 AM	Altitude 161.8 meters Tuesday, 07-06-2022

Laminar Air Flow

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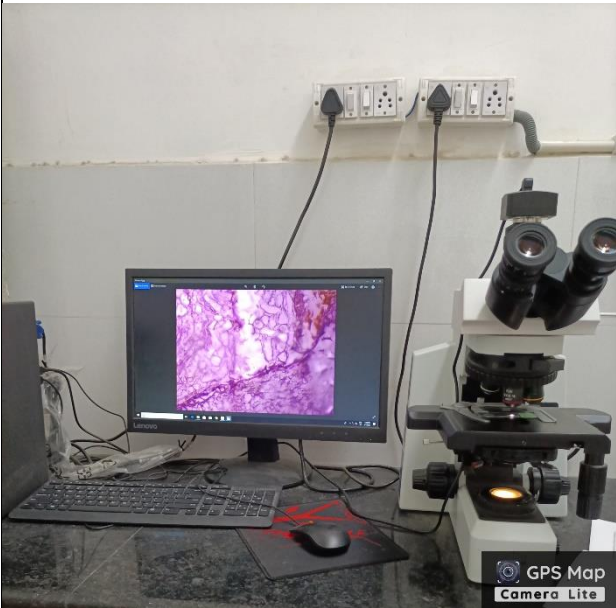






 MRSPTU CAMPUS, 5WGF+C66, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.1758825°	Longitude 74.9230396°
Local 11:05:51 AM GMT 05:35:51 AM	Altitude 161.9 meters Tuesday, 07-06-2022

Maize Apparatus

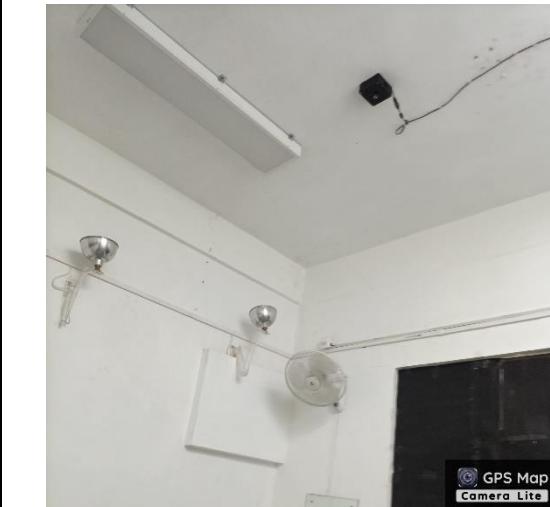






 MRSPTU CAMPUS, 5WGF+C66, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.176171666666665°	Longitude 74.92275500000001°
Local 11:36:03 AM GMT 06:06:03 AM	Altitude 202.6 meters Tuesday, 07-06-2022

Microscopy with Imaging








 MRSPTU CAMPUS, 5WGF+C66, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.1758825°	Longitude 74.9230396°
Local 11:05:39 AM GMT 05:35:39 AM	Altitude 161.9 meters Tuesday, 07-06-2022

Movement Recorder





 5WGF+937, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.173551666666672°	Longitude 74.925465°
Local 03:07:24 PM GMT 09:37:24 AM	Altitude 181.1 meters Monday, 09-05-2022

PMS Robot

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Major Instruments/ Equipment



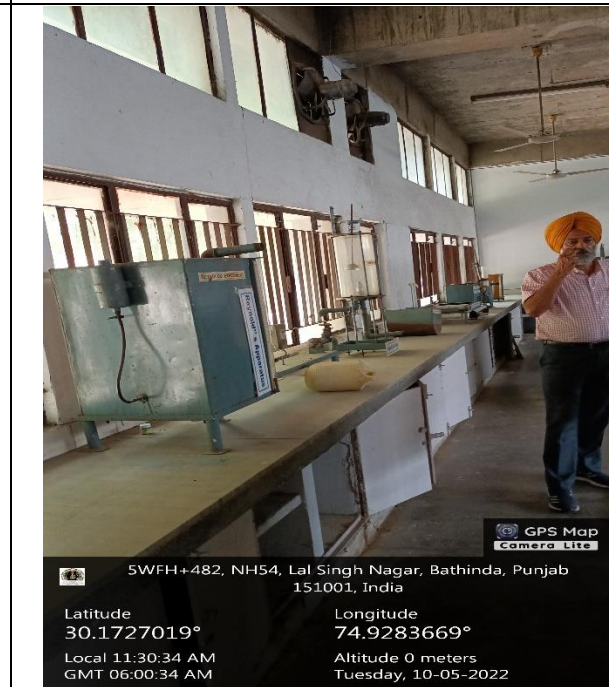
Portable Aerosol



Portable Radon Monitor



Precision Impedance Analyzer



Rynold apparatus

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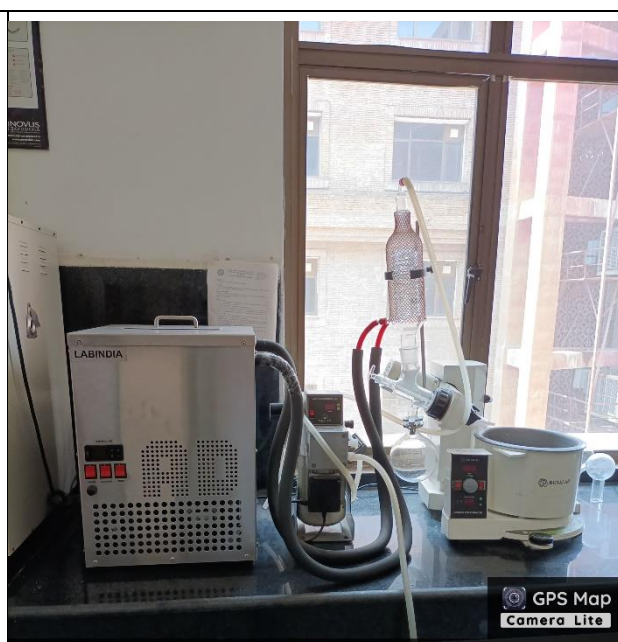
Major Instruments/ Equipment



5WFG+937, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude	Longitude
30.173496666666665°	74.92539166666667°
Local 03:07:59 PM	Altitude 184.2 meters
GMT 09:37:59 AM	Monday, 09-05-2022

Robot 1



5WFC+6WP, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude	Longitude
30.173427°	74.9225213°
Local 10:34:15 AM	Altitude 0 meters
GMT 05:04:15 AM	Tuesday, 07-06-2022

Rotary Evaporator



5WG9+GWG, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude	Longitude
30.1766506°	74.9199637°
Local 10:40:01 AM	Altitude 0 meters
GMT 05:10:01 AM	Tuesday, 07-06-2022

Spheronizer



5WG9+GWG, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude	Longitude
30.1766506°	74.9199637°
Local 10:39:48 AM	Altitude 0 meters
GMT 05:09:48 AM	Tuesday, 07-06-2022

Spray Dryer

UNIVERSITY INSTRUMENTATION FACILITY

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5WFG+63X, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude	Longitude
30.1766506°	74.9199637°
Local 10:39:30 AM	Altitude 0 meters
GMT 05:09:30 AM	Tuesday, 07-06-2022

Tablet Punching Machine



5WFG+937, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude	Longitude
30.173571666666664°	74.925593333333334°
Local 03:06:34 PM	Altitude 172.5 meters
GMT 09:36:34 AM	Monday, 09-05-2022

Tachometer



5WFG+63X, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude	Longitude
30.172913333333334°	74.925146666666666°
Local 11:28:52 AM	Altitude 166.6 meters
GMT 05:58:52 AM	Tuesday, 10-05-2022

Torsion Testing Machine



5WFG+937, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude	Longitude
30.173531666666667°	74.925441666666667°
Local 03:07:32 PM	Altitude 180.7 meters
GMT 09:37:32 AM	Monday, 09-05-2022

Universal Testing Machine

UNIVERSITY INSTRUMENTATION FACILITY

Major Instruments/ Equipment



MRSPTU CAMPUS, 5WGF+C66, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.176141666666663° Longitude 74.92331°
Local 10:37:40 AM Altitude 194 meters
GMT 05:07:40 AM Tuesday, 07-06-2022

UV Visible



Bathinda, Punjab, India
5WFF+5QW, Lal Singh Nagar, Bathinda, Punjab 151001, India
Lat 30.17294°
Long 74.924576°
07/06/22 03:51 PM

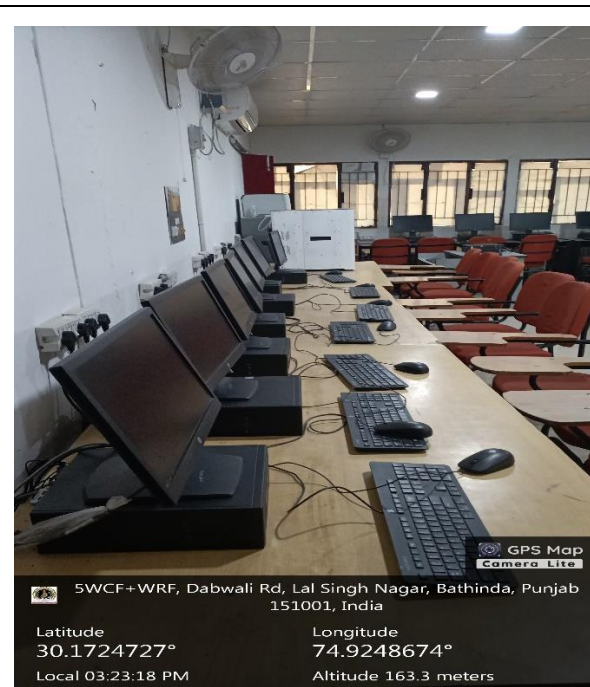
UV Visible Spectrophotometer



Badal - Bathinda Rd, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.174944° Longitude 74.9294629°
Local 03:13:57 PM Altitude 0 meters
GMT 09:43:57 AM Monday, 09-05-2022

Variable Compression Ratio



5WCF+WRF, Dabwali Rd, Lal Singh Nagar, Bathinda, Punjab 151001, India

Latitude 30.1724727° Longitude 74.9248674°
Local 03:23:18 PM Altitude 163.3 meters
GMT 09:53:18 AM Monday, 09-05-2022

3D printer