

NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3	R, I & E			
KI 3.3	M 3.3.1			

3.3.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS) including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of technology/knowledge and the outcomes of the same are evident

Details of Key Instruments

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	33	Total Station	Total Survey Work carried out digitally	Rajour, Cujarat, India Angus Horenton, Ingland Andural South Matt. Culara Many Niversity Ingland South Matt. Culara Many Niversity Long Niv

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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	33	Dumpy Level	To carry out different RL	Physics, Outparts, India and State Course Physics, Outparts, India and State Course And 22 are seen and 22 are seen and 23 are seen and 24 are seen and
Main Building, B Wing, Ground Floor	35	Direct shear apparatus	Evaluates soil shear strength under controlled conditions.	Tabled, Colated, India Amendment of the Colated State State Colate Cola

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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	35	Humidity Chamber	Maintains controlled temperature and humidity conditions for material testing.	Fight Colors to did. Allow Colors to did. Bloom Colors to did.
Main Building, B Wing, Ground Floor	35	Hot Air Oven	Used for drying, sterilization, and testing material behavior at elevated temperatures.	Robert, Ceignt, India Robert, Ceignt, India





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	35	CBR TEST APPARATUS	Measures the California Bearing Ratio of soil for subgrade strength evaluation	River, Colors, India British Colors, India
Main Building, B Wing, Ground Floor	35	Unconfined Compression Test Apparatus	Determines the unconfined compressive strength of soil or rock.	Raiser, Coloret, India Raiser





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	35	Direct Shear Test Apparatus.	Evaluates soil shear strength under controlled conditions.	River Ceitart, India
Main Building, B Wing, Ground Floor	35	CBR (California Bearing Ratio) test apparatus	To determine the soil's strength and bearing capacity for design of pavements and road subgrades.	Raison, Organet, Incide American State of Control of C





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	35	Direct Shear test apparatus	To determine the shear strength parameters of soil.	Raiser, Cogierer, India Amont Samon, Sayana Sanda, Kasana Basa Nasa, Sasana Amont Samon, Sayana Sanda, Sa
Main Building, B Wing, Ground Floor	35	Soil Permeability Test Apparatus	To measure the rate at which water can flow through soil.	Rajoc, Cujarat, rola Rajoc, Cujarat, rola La constanti susuani susuani susuani susuani La constanti susuani susuani susuani La constanti susuani La consta





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	35	Soil Permeability Test Apparatus	To measure the rate at which water can flow through soil.	Robert Colorest And Security Report For New Colorest And Security Report For New Colorest And Security Report For New Colorest
Main Building, B Wing, Ground Floor	35	Constant Temperature Water Bath	To maintain a consistent temperature for accurate and reliable experimental results.	Rabics, Colors and Section Sec
Main Building, B Wing, Ground Floor	37	Weighing balance	To carry out weight of different material	Raior, Cogint, Undia The State of the Company of t



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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	37	Water bath for Soundness	Soundness mould bath	RANGE CHESTA, Inch. BANGE CHE
Main Building, B Wing, Ground Floor	37	Fine Sieve Shaker	Help promote particle movement through a stack of sieves, facilitating accurate particle separation	Rights, Coderat, India Rights, Coderat, India Auto-Name Andrew State State Auto-Name Andrew State
Main Building, B Wing, Ground Floor	37	Impact Test	Calculating the amount of energy absorbed to determine the impact resistance or toughness of materials by during fracture.	Raileri, Coderat, India Amini susuami, majala majada Amani Sana Najar, Sanat Amini susuami, majala majada Amani Sana Najar, Sanat Amini susuami, Amini susua

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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	37	Cement mould vibrator	help eliminate air voids by evenly compacting the cement	Ration Coderat Loda Ration Annual Annual Grown Base Nation States Ration Annual Annual Annual Annual Ration Base Nation States Ration Base Nation Base Nation Base Nation Base Nation States Ration Base Nation Base Nation Base Nation States Ration Base Nation Base Nation Base Nation Base Nation States Ration Base Nation B
Main Building, B Wing, Ground Floor	37	Cube Vibrator	help eliminate air voids by evenly compacting the concrete	Ration Colored Lodd Ration Co
Main Building, B Wing, Ground Floor	37	Tile Abrasion test	determining the resistance to wear for cement concrete flooring tiles	Ration, Optional, Incide American State of the Control of the Cont





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	37	losangeles abrasion test	To test the hardness property of aggregates.	Ribor, Oujerst, Irold American Limited, September Good, Septem
Main Building, B Wing, Ground Floor	37	Compressive Testing Machine	To determine the compressive strength of Concrete cube	FORCE CASES FOR MAN ASSESSMENT AND ASSESSMENT ASSESSMEN
Main Building, B Wing, Ground Floor	37	Universal Testing machine	To determine various testing on different material, like Tensile testing, compressive testing etc	Riber, Cultura, Irola Maries Limines, supplemental assess faces faces faces Applications of the Control of th



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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	37	Concrete Miller	To mix the wet and dry ingredients of concrete	Rabic Colorer, toda Rabic Colorer, toda Sense
Main Building, B Wing, Ground Floor	38	IZOD and CHARPY Test	To advance the understanding of why materials fail prematurely.	Rich Coart, Ind. Rich Coart,

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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	38	CBR Testing Machine	Determines the bearing capacity of soil for road and pavement design.	Raiver, Cojarer, India Amis standard, Suprime than Basis, Suprime Lawrence Lawrence Control of the Control of t
Main Building, B Wing, Ground Floor	38	Marshall Stability Testing Apparatus	Tests the stability and flow properties of bituminous mixtures	Riber, Cujurt, roll Ames sincests, supera sincial faces that faces the court Ames sincests, supera sincial faces that faces the court Ames sincests, supera sincial faces that f





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	38	CBR Testing Machine	Determines the bearing capacity of soil for road and pavement design.	Righton, Copient, Incide and Advantage and A
Main Building, B Wing, Ground Floor	38	Digital Weighing Machine	Measures the precise weight of samples or materials.	Robot Colorest bods And State





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	38	Bump Integrator	Assesses the surface roughness and quality of road pavements.	Rained, Coderat, India. Rained, Coderat, India. Black, Coderat, India. Blac
Main Building, B Wing, Ground Floor	38	Humidity Chamber	Maintains controlled temperature and humidity conditions for material testing.	Robert Coderst and American State St





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	38	Standard Cone Penetrometer	Measures the consistency and compaction of soil.	Robot, Cujart, tridi Particular and the state of the sta
Main Building, B Wing, Ground Floor	38	Hot Air Oven	Used for drying, sterilization, and testing material behaviour at elevated temperatures.	Robot, Colgren, India Amira March Robot (Super Base Robot, Yours) Amira March Robot (March Robot) Amira March Robot (March Robot)





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	38	Ductility Testing Apparatus	Determines the ductility of bituminous materials by measuring their elongation	Ratio, Cularar, India and Constant Cons
Main Building, B Wing, Ground Floor	39	Resistor Bank	As a load bank	Rajkot, Oujarat, India **Special State of Camera **Special State of Ca

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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	39	Chock Coil	As a Inductive load	Rajbot, Oularat, India populare Goulds, Stratt Hage, Name Mans, Rajant, Goulard Stord Hage, Name Mans, Rajant, Goulard Stords, Name Mans, Rajant, Goulard Stords, Name Goulard Stords, Name Mans, Rajant, Goulard Mans, Name Mans, Rajant, Goul
Main Building, B Wing, Ground Floor	39	Single phase auto transformer	To varry voltage	Rajkot, Gujárat, India opphrancoulus Hern Harps, Kasa Man, Rajkot, au 22 23 24 25 24 Audit - 105 30 COCKES SOUT AN GOST - 105 30
Main Building, B Wing, Ground Floor	39	Step Down Transformer	To step down voltage	Rajaco, Oujeradi, India Angel Camero Angel C





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	39	Small kit cupboard	Electronics Kit	Rejkort, Oxjarat, India Vapinen Stones Marin Report Nate Manes, Rajant, Large Stones Marin Report Nate Manes, Rajant, Large Stones Marin Report Nate Manes, Rajant, Large Stones Marin Report Nate Manes Marin Report Large Stones Marin Report Nate Manes Marin Report Large Stones Marin Report Nate Manes Marin Report Large Stones Manes Marin Report Nate Manes Marin Report Large Stones Manes Marin Report Nate Manes Marin Report Large Stones Manes Marin Report Nate Manes Marin Report Large Stones Marin Report Nate Manes Marin Report National Manes Manes Marin Report National Manes M
Main Building, B Wing, Ground Floor	41	3 Phase SCR Control Converter	Perform half and full wave control converter	Constitution of the consti
Main Building, B Wing, Ground Floor	41	IC	Different Type of ICs model for Study	D INTEGRATED CIRCUIT COM THOSE COMMENTS COM
Main Building, B Wing, Ground Floor	41	Different types of Transformer	Different types of Transformer for study	THE CASE OF THE CA





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	41	Analog Trainer Kit	To perform different analogpracticles	Paylot, Oujard, India paylot Daylot D
Main Building, B Wing, Ground Floor	41	Linear&Digital IC Trainer	For Practicle Purpose	Right, Colored and a great has been kind from those and a great has a great ha
Main Building, B Wing, Ground Floor	42	HV Instruments	High voltage practicle	Rader, Colorest, India Rader,

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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	42	HV Instruments	High voltage practicle	Rajbort, Codjerat, India Sjalmanin, House Maren, Robert, Guerre Lazariary Long Too North Lazariary
Main Building, B Wing, Ground Floor	42	Horn gap Apparatus	Oil dielectric Strength chacking	Rajkort, Codjerat, India Sjahanton, Neurol Hapen, New Mere, Rajkort, Guloret Lezzarrozz- Long Tackfort, State Code Code Code Code Code Code Code Cod
Main Building, B Wing, Ground Floor	42	HV Instruments	High voltage practical	ROUGH CHART AND A STATE OF THE CHART AND A STA





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	44	Transmission line simulation panel	Transmission line fault detector	Rejuct, Orderst, India Good, Land Control Good, Land Control Land 22 23 1956 Land 22 23 1956 Land 23 1957 Land 25 1957 Lan
Main Building, B Wing, Ground Floor	44	Generator protection simulation panel	Generator fault detector	Rajkot, Oujarat, India Palishathi, Nano fanya fune Mana, Rajant, Oujarat Ballahathi, Mano fanya fune Mana, Ballahathi, Oujarat Ballahathi, Mano fanya fune Mana, Ballahathi, Mano fanya fune fune fune fune fune fune fune fune





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	44	Transformer protection panel	Transformer protection panel for study purpose	Raket, Collerat, India 30-31-1045, Name Hauge Leve Sans, Robes Colora Schiller Sans, R
Main Building, B Wing, Ground Floor	44	Forward Reverse DOL Starter	Forward Reverse DOL Starter for motor	FORWARD REVERSE D.O.L. STARTER. delica por service score service





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	44	Automatic star delta starter	Automatic star delta starter for motor	AUTOMATIC STAR DELTA STARTER. GIUGE BY WHICH IS SCORN A R C MAN ANNY HARLES STARTER LITER IS DEPT MAN COMMENT FRANKIT C CREEL FRANKIT C LITER IS DEPT MAN FRANKIT C COMMENT AND AND HARLES STARTER LITER IS DEPT MAN COMMENT FRANKIT C LITER IS DEPT MAN FRANKIT FRANKIT C
Main Building, B Wing, Ground Floor	44	Tesla Coil	Tesla Coil for HV Testing	Railvot, Coljant, India 70 Ph Map Camere Railvot, Coljant, India 70 Jan-Mills, Namon Sarpe, Inva Mare, Robot, Coljant Laz Sarbane Lang To, Pintar Lang To, Pin





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	44	Motor Load	To identify motor load	Rajkot, Gujarat, India 20 molto, Naud Hape, Insu Seas, Rajat, Gujaret 20 molto, Naud Hape, Insu Seas, Rajat, Gujaret 20 molto, Naud Hape, Naud Seas, Naud Se
Main Building, B Wing, Ground Floor	44	Motor Protection panel	To protect motor from different fault	Rakot, Outarat, India Constitution tops, two steen factor, Outer Constitution tops two steen factor, Outer C

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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	45	Wind mill	Wind mill for study	Payor, Oglant, India 20,0-Mol, Hand Nage, Non Mons, Boot, Ogland un 22,00-Mol, Mol Noge, Non Mons, Boot, un 22,00-Mol Noge, Non Mol Noge, un 22,00-Mol Noge, Non Mol Noge, un 22,00-Mol Noge, No. Noge, un 22,00-Mol Noge, u
Main Building, B Wing, Ground Floor	45	Bus bar simulation panel	Bus bar simulation panel	BUSBAR SIMULATION PAREL CASE AND ADDRESS
Main Building, B Wing, Ground Floor	45	Solar kit	Solar kit for study	Pakot, Gujarat, India 2:3:-Mot, Gujarat, India





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	46	Motor Generator coupling	Motor Generator coupling	Rajkor, Gujera, India super a real particular de descripción de la companya del companya de la companya del companya de la companya del companya de la companya de la companya de la companya del companya de la companya de la companya de la companya del company
Main Building, B Wing, Ground Floor	46	DC Shunt Motor set	DC Shunt Motor set for practical purpose	Player, Cyderal, India Player
Main Building, B Wing, Ground Floor	46	DC Shunt motor coupled with non-salient pole alternator	DC Shunt motor coupled with non-salient pole alternator	Payor, Oujers India Amen Camera Amen Camer

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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	46	DC Shunt motor coupled with salient pole alternator	DC Shunt motor coupled with salient pole alternator	Rajbot, Oujarat, India A season dis secondonero l'oces, Bush has, faisor, les 2012 de
Main Building, B Wing, Ground Floor	46	BLDC Training kit	BLDC Training kit for EV Practicle	Paylot, Colerat, India A second dis describent from the finite Day 10 10 10 10 10 10 10 10 10 10 10 10 10





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	46	PMSM Training kit	PMSM Training kit for EV Practicle	Raikot, Cojurat, India A favoral fit, floridores from sur fire finder, display clauses Raikot, Cojurat, India A favoral fit, floridores from sur fire, finder, display Long 10 710 710 710 710 710 710 710 710 710
Main Building, B Wing, Ground Floor	53	Absorption Refrigeration System	Facilitate cooling through the absorption and desorption processes using a heat-driven cycle.	Ballet, Californi, Fried. Ballet, Californi, Fried. Californi, Fried
Main Building, B Wing, Ground Floor	53	Air Conditioning Test Rig	Simulate and evaluate the performance of air conditioning systems under controlled conditions	Rained, Capture, Indian, Capture Indian, Captu





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	53	Heat Pump Test Rig	Evaluate and analyze the performance and efficiency of heat pump systems under controlled conditions	Right, Calciert, roles Right,
Main Building, B Wing, Ground Floor	53	Ice Plant Test Rig	Simulate and assess the performance of ice-making systems for efficiency and operational analysis	Figure, Couleys, India (a) 2 animals (b) 3 animals (c) 4 animals (c) 4 animals (c) 5 animals (c) 6 animals (c) 7 animal
Main Building, B Wing, Ground Floor	53	Refrigeration Test Rig	Evaluate and analyze the performance and efficiency of refrigeration systems under controlled conditions.	Rainer, Calent, Calent





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	53	Water Cooler Test Rig	Assess and analyze the performance and efficiency of water cooling systems using refrigeration technology under controlled conditions.	Billion de des , trade Les 22 adeade Les 23 adeade Les 23 adeade Les 23 adeade Les 24
Main Building, B Wing, Ground Floor	56	Single Disc Polishing Machine	Achieve a smooth and reflective surface finish on materials through abrasive polishing.	Rights, Colores, rodes Applications of the state of the
Main Building, B Wing, Ground Floor	56	Metallurgical Microscope	Examine and analyze the microstructure of metallic materials with high magnification and clarity.	Rights, Colorer, Mark Leaves 2000000000000000000000000000000000000





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	56	Muffle Furnace	heat materials to high temperatures in a controlled atmosphere, typically for processes like annealing, sintering, or heat treatment.	Railer, Calerer, India (arg 2) 20000000000000000000000000000000000
Main Building, B Wing, Ground Floor	56	Isomat Profile Projector	Accurately measure and inspect the dimensions and features of objects using optical magnification and profile comparison.	Railed, Colorest, Vande Language Colorest,
Main Building, B Wing, Ground Floor	56	Hardness Testing Machine	Determine the resistance of a material to indentation or penetration, providing information about its mechanical properties such as hardness.	Rajdor, Gugari, Viole Open Service Monte, Monte Mand, Rajdor, Gugari 20005, India Long To 1938 and Annel To Co. 20





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	57	Universal Vibration Apparatus	Simulate and analyze mechanical vibrations of various structures or components for testing and analysis.	Righter, Colorent, Unide Righter, Colorent,
Main Building, B Wing, Ground Floor	57	Static & Dynamic Balancing Apparatus	Measure and correct imbalances in rotating machinery to ensure smooth and efficient operation.	Ration, Colorest, Valer Ration, Colorest, Val
Main Building, B Wing, Ground Floor	57	Epicyclic gear train & torque apparatus	Demonstrate and study the principles of gear trains, torque transmission, and rotational motion in mechanical systems.	Ration, Colores, Valet Page - Son, Guest, V





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	58	Apparatus of critical radius of heat material	Determine the minimum radius at which heat can be conducted or transferred efficiently in a material.	Right Colors, Make Right
Main Building, B Wing, Ground Floor	58	Apparatus of emissivity measurement	Quantify the emissivity of a material, which indicates its ability to emit thermal radiation relative to an ideal black body.	Radius Colorest, Todal Gal 22 January Lang 7 January Color 10 J
Main Building, B Wing, Ground Floor	58	Apparatus of heat in natural convection	Study and demonstrate heat transfer phenomena through natural convection in fluids, without the aid of external forces like pumps or fans.	Reduce Coderect, State Let 22 2000000 Let 22 2000000 Let 22 2000000 Let 23 2000000 Let 23 2000000 Let 23 20000000 Let 23 20000000 Let 23 20000000000000000000000000000000000





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	58	Apparatus of heat transfer forced convection	Investigate and analyze heat transfer phenomena when a fluid is forced to flow over a surface, enhancing heat transfer rates compared to natural convection.	Right, Calcury Tonic Let 2 among the Calcury Tonic Let 2 amo
Main Building, B Wing, Ground Floor	58	Apparatus of heat transfer from pin fin	Study and analyze heat dissipation and tran sfer characteristics of pin fins, commonly used in heat exchangers and cooling systems.	Railer, Calerar, India (at 23 areas) (by 1971) (by 1971) (c) 1971)
Main Building, B Wing, Ground Floor	58	Apparatus of heat transfer through composite wall	Investigate and measure the thermal conductivity and heat transfer properties of different materials layered together.	ADDITION OF THE PROPERTY OF TH





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	58	Apparatus of heat transfer through Pipe	Analyze and measure the thermal conductivity and heat transfer rates in fluid flow through pipes.	ATT SEE FALSE FALSE ATT SEE FALS ATT SEE FALSE ATT SEE FALS ATT SEE FALS ATT SEE FALS ATT SEE FALS ATT SEE FA
Main Building, B Wing, Ground Floor	58	Apparatus of stephenboltzman	Verify the Stefan-Boltzmann law by measuring the radiant energy emitted by a black body as a function of its temperature.	Radio, Copera, Valed Let 22 20020 Let 22 20020 Let 22 20020 Let 22 20020 Let 23 20020 Let 24 20020 Let 25 200
Main Building, B Wing, Ground Floor	58	Apparatus of thermal cond. by guarded hot plate (solid)	Measure the thermal conductivity of insulating materials accurately by maintaining a steady-state temperature gradient across the sample.	Figure Course, Cold.





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Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	58	Apparatus of thermal cond.of insulating powder	Determine the thermal conductivity of insulating powder materials by analyzing heat transfer through the powder sample.	Reject Colores, Mode and the Colores of the Colores
Main Building, B Wing, Ground Floor	58	Apparatus of thermal cond.of metal bar	Measure and analyze the thermal conductivity of a metal bar by observing heat transfer along its length.	Figure, Copiere, India Basic Copiere, India
Main Building, B Wing, Ground Floor	58	Air compressor test rig (double stage reciprocating)	Evaluate the performance, efficiency, and operational characteristics of air compressors under controlled conditions.	Right, Calinel, Today Gardina, Today Gardina





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KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	32	Centrifugal pump test rig	Analyze and evaluate the performance characteristics and efficiency of centrifugal pumps under various operating conditions.	Rights, Californi, toda, orange, Tronta, Galleri, toda, orange, Tronta, Galleri, Kodar Millord, Galleri Millord, toda orange 70 Nove, orange 7
Main Building, B Wing, Ground Floor	32	Flow over notches apparatus	Study and measure the flow rate of liquids over different types of notches, such as V-notches and rectangular notches, for hydraulic analysis.	Restor, Colgress, rode. Colgress, rode.
Main Building, B Wing, Ground Floor	32	Francis Turbine Test Rig	Evaluate the performance and efficiency of a Francis turbine by measuring parameters such as flow rate, pressure, and power output under various operating conditions.	Right, Capter, John St. Capter St





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	32	Impact of Jet Apparatus	Study the force exerted by a jet of fluid on different surfaces and to analyze the principles of momentum transfer in fluid mechanics.	Finance Control State. Financ
Main Building, B Wing, Ground Floor	32	Kaplan Turbine Test Rig	Assess and analyze the performance and efficiency of a Kaplan turbine by measuring parameters like flow rate, pressure, and power output under varying conditions.	Refer chart risks of the chart risks of 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Main Building, B Wing, Ground Floor	32	Losses in Pipe Fittings	Quantify and analyze the pressure losses incurred due to fittings like bends, elbows, tees, and valves in a piping system.	Bland, Guirder, oldes Rander Guirder, oldes





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	32	Losses in Pipe Friction	Measure and analyze the pressure losses due to friction in a pipe flow, aiding in the study of fluid dynamics and energy losses in piping systems.	Blade, Galante, State Language Blade, States, State Language L
Main Building, B Wing, Ground Floor	32	Nozzle Meter Apparatus	Measure the flow rate of liquids by utilizing the pressure difference across a converging-diverging nozzle.	Ration, Colores, Variety Ration, Colores, V
Main Building, B Wing, Ground Floor	32	Orifice & Mouth Piece Apparatus	Measure fluid flow rates using different flow measurement devices, aiding in fluid mechanics studies and practical applications.	Filed Course, Value Filed Cou





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3	M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	32	Pelton wheel turbine test rig	Assess and analyze the performance and efficiency of a Pelton turbine by measuring parameters like flow rate, pressure, and power output under varying conditions.	Righter, Capieral, India. Let 22 2000000 may be be based, finder, Capieral Millions, Andrea Cap
Main Building, B Wing, Ground Floor	32	Piezo Meter Apparatus	Measure the pressure at a specific point in a fluid flow, aiding in the analysis of fluid dynamics and hydraulic systems.	Reads - Capters, Under - Chical Course Strong, Law Law 2 and Course Strong, Law
Main Building, B Wing, Ground Floor	32	Pitot Tube Test Rig	Measure the velocity of fluid flow in a pipe or duct by utilizing the principle of total pressure measurement.	Pales, Capers, rode, you have been finance of the state o





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	32	Pressure Measurement Apparatus	Quantify and monitor the pressure within a system or fluid medium for engineering, scientific, or industrial purposes.	Rights Colored, Stade Let 22 20000 Let 22 200000 Let 22 20000 Let 22 200000 Let 22 20000 Let 22
Main Building, B Wing, Ground Floor	32	Reciprocating Pump Test Rig	Evaluate the performance, efficiency, and operational characteristics of reciprocating pumps under controlled conditions.	Rich Calcine India Rich C
Main Building, B Wing, Ground Floor	32	Redwood &Saybolt Viscometer Apparatus	Measure the viscosity of liquids, particularly petroleum products, to assess their flow properties and quality.	Radio, Galant, Joda, Garant, Galant, G

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Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Ground Floor	32	Reynold's Apparatus	Visualize and study fluid flow patterns, particularly laminar and turbulent flow, by varying parameters like velocity, viscosity, and pipe diameter.	Rapido, Caurer, Mara. Gardinario de Mara Mara, Andre, Guerri 200000, mai con
Main Building, B Wing, Ground Floor	32	Verification of Bernoulli's Theorem Apparatus	Demonstrate and validate the principles of Bernoulli's equation in fluid flow, including the relationship between pressure, velocity, and elevation in a streamline flow.	Rights, Gallers, rodes Rights, Rights
Main Building, B Wing, Third Floor	326	WEIGHING BALANCE	For the correct weight of samples, reagents, media etc.	7QJ9+CGM, Satyasall Hospital Rd, Martit Nagar, Nana Maya, Rajkot, Gujarat 16 Apr 2024 11:47 AM 35,0°C





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Third Floor	326	UV SPEC	For quantifying nucleic acid and protein content in biological samples and for quality control in drugs and food industries.	7Qj9+CGM, Satyasai Hospital Rd, Maruti Nagar, few Nana Mawa, Rajkot, Gujarat debum 16 Apr 2024 11-48 AM 35.0 °C
Main Building, B Wing, Third Floor	326	WATER BATH	For incubation of biological samples in water at a constant temperature over a long period of time.	70/9+M6X, Maruti Nagar, Nana Mava, Rajkor, Gujurat 360005, India Google 16-47 2024 11:41 AM

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NAAC – Cycle – 1		
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Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Third Floor	326	INCUBATOR	For the growth and maintenance of microbiological cultures.	70)9+CGM, Satyasal Hospital Rd, Maruti Nagar, scatt Nana Mava, Rajicd, Gajarat doubt Apr 2024 11:46 AM 35.0 or c
Main Building, B Wing, Third Floor	326	UV SPEC	For quantifying nucleic acid and protein content in biological samples.	70/J9+CGM, Satyasal Hospital Rd, Maruth Nagar, Seatt Naman Mawa, Rajkoc, Guignat doubdi 16 Apr 2024 11:46 AM 35.0 °C





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AISHE: U-0967		
Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Third Floor	326	HOT AIR OVEN	For the sterilization process and checking temperature stability of samples.	70)9+M6X, Marufi Nagar, Nana Mava, Rajkot, Coljarat a60005, india 16 Apr. 2024 1133 AM 35 0 °C
Main Building, B Wing, Third Floor	326	pH BALANCE	For checking and maintaining the pH of various solvents, solution and reagents	70/9°-CCM. Satyasal few Hospital Rd. Maruti Nagar, few Sana Mawa, Raikot, Gujurat disudis 16 Apr 2024 11:49 AM 35.0 °C

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AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Third Floor	415	Microwave		Mention And the state of the st
Main Building, B Wing, Third Floor	340	Ultrasonic Interferometer	To measure wavelength of ultrasonic sound	rull, Gujarat, India 24. Jay Sardar Rd. Anandanagae, Rojkot Gujarat 360001, India Long 70 771636e Long 20 282018* 3036/2024 03:17 PM
Main Building, B Wing, Third Floor	340	Fibre optic trainer kit	To measure Numerical Aperture of optical fibre	null, Gujarat, India 244. Jay Sardar Rd. Anantanagar, Rajkot, Gujarat 360001, India Long 70.771669* Lat 22.282018* 305/6/2024 03:19 PM





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AISHE: U-0967		
Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Third Floor	340	Band gap apparatus	To measure the energy gap of semiconductor	mull, Gujarat, India Upper Level 3, Maruti Complex, Jagannath Plot Chowk, Long 70.771235* Lut 22.282635* 306/2022 03:20 PM
Main Building, B Wing, Third Floor	340	Resonance tube apparatus	To measure the velocity of sound in air	null, Gujarat, India Yojgidham Gunikul, Manul Nagar, Nana Mava, Rajkot, Gujarat Long 70,766932* Long 22,231546* Google 03,676224 03,41 PM
Main Building, B Wing, Third Floor	340	Zener diode apparatus	To measure the IV characteristics of Zener diode	zunik Book Commactivisance syramote over mull, Grujarat, India 101-1, Opposite State Bank Of Hyderabad, Shakti Nagac, Lun 22.284674* 03/6/2024 03.42 PM



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AISHE: U-0967			
Criterion- 3	R, I & E		
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, B Wing, Third Floor	340	Solar cell apparatus	To measure the IV characteristics of Solar cell	SRAM CRIL CHARACTERS'S APPLICATES TO THE LONG T
Main Building, B Wing, Third Floor	340	LED apparatus	To measure the IV characteristics of LED	Table SMACCHISTON SWINNERS Table STATE ST
Main Building, A Wing, Fourth floor	423 (1)	Potentiometer	Measures electromotive force (EMF) or potential difference of a circuit.	POLICE STATE OF THE PART OF TH





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AISHE: U-0967					
Criterion- 3 R, I & E					
K	KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Digital Nephlo Turbidity meter- 132	Measures turbidity or cloudiness of liquids, indicating particle concentration.	Same Alleran Maria Cara de Car
Main Building, A Wing, Fourth floor	423 (1)	Flame Photometer 128	Measures concentration of certain metal ions in solutions using flame emission.	Diame Plot tomests Theme Plot tomests The Control of the Control
Main Building, A Wing, Fourth floor	423 (1)	Photofuloro meter 152	Detects and measures fluorescence intensity of compounds for analysis.	AND AND THE STATE OF THE STATE

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Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Refractometer	Measures refractive index to determine concentration or purity of substances.	American Annual Control Contro
Main Building, A Wing, Fourth floor	423 (1)	Conductivity meter	Measures electrical conductivity of a solution to assess ionic content.	And Canal Mark and the state of
Main Building, A Wing, Fourth floor	423 (1)	AutoColori meter VsI 401	Determines concentration of colored compounds in a solution using absorbance.	The Control of the Co





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Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	AutoColori meter VsI 401	Measures optical rotation to identify chiral substances or concentration of optically active compounds.	And Colors had been been been been been been been bee
Main Building, A Wing, Fourth floor	423 (1)	Polarimeter	Determines water content in samples using Karl Fischer titration.	The Control of the Co
Main Building, A Wing, Fourth floor	423 (1)	Auto Karl Fischer Tritrator 349	Used for electrophoresis gel documentation and analysis in molecular biology.	And of sealing and the sealing





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Doc gel Apparatus	High-Performance Liquid Chromatography for separating, identifying, and quantifying compounds.	Agenciano no de consecuencia de la consecuencia del consecuenci del consecuencia del consecuencia del consecuencia del consecuen
Main Building, A Wing, Fourth floor	423 (1)	HPLC	Measures absorbance/transmittance of UV and visible light for compound analysis.	Name and the state of the state
Main Building, A Wing, Fourth floor	423 (1)	UV – visible Spectrophoto meter	Determines pH of solutions, indicating acidity or alkalinity.	Agent country from the

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AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Digital PH Meter	Provides high-resolution magnification for biological or material specimen analysis.	The following state of the stat
Main Building, A Wing, Fourth floor	423 (1)	Digital Trinocular Microscope	Dual eyepiece microscope for detailed examination of slides or samples.	Translate Nationary Translate Nationary But and out of the second of t
Main Building, A Wing, Fourth floor	423 (1)	Digital Binocular Microscope	Measures absorbance of specific wavelengths in colored solutions for analysis.	The state of the s

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NAAC – Cycle – 1				
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Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Digital Colorimeter	Cleans lab equipment or disperses particles using high-frequency sound waves.	Section 18
Main Building, A Wing, Fourth floor	423 (1)	Digital UltraSonicclener (Sonicator)	Creates vacuum for filtration, drying, or other lab processes.	Ultraumic Cleaner (Sonkclur) Ultraumic Cleaner (Sonkclur)
Main Building, A Wing, Fourth floor	423 (1)	Digital UltraSonicclener (Sonicator)	Measures viscosity of fluids to determine flow properties.	CONTROL OF THE PROPERTY OF THE

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NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Digital UltraSonicclener (Sonicator)	Accurately measures conductivity, indicating ionic concentration in solutions.	The control of the co
Main Building, A Wing, Fourth floor	423 (1)	Vacuum Pump (Rocker 400)	Measures mass of samples with high precision.	And control to the co
Main Building, A Wing, Fourth floor	423 (1)	Brookfield Viscometer	Measures absorbance/transmittance across UV-visible range for chemical analysis.	Management of the second of th

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Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Digital PH meter	Extracts soluble compounds from solid samples using solvent cycles.	Management of the state of the
Main Building, A Wing, Fourth floor	423 (1)	Conductivity meter (con 700)	Grinds solid materials into fine powder for analysis.	For each of the state of the st
Main Building, A Wing, Fourth floor	423 (1)	Digital PH meter	Measures light absorbance in the visible spectrum for quantitative analysis.	The state of the s





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Electronic Balance Sensitivity -0.01mg	Separates DNA, RNA, or proteins based on size and charge in a gel.	The state of the s
Main Building, A Wing, Fourth floor	423 (1)	Digital PH meter	Produces high vacuum for sensitive lab applications or instruments.	The Control of the Co
Main Building, A Wing, Fourth floor	423 (1)	Conductivity meter 304	Dries heat-sensitive samples under vacuum to avoid degradation.	Michigan 182 Michigan 192 Mi





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Digital Spectrophoto meter VN 600	Cuts thin slices of samples for microscopic examination.	The control of the co
Main Building, A Wing, Fourth floor	423 (3)	Soxhlet Extraction Apparatus	Measures moisture content in samples through weight loss on drying.	Services Servic
Main Building, A Wing, Fourth floor	423 (1)	Willy mill	Spins samples at high speed for separation of components.	The state of the s





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Visible Spectrophoto meter	Burns and disposes of waste materials safely at high temperatures.	Visits Spectraphonousler.
Main Building, A Wing, Fourth floor	423 (1)	Elecrophorosis	Provides uniform mixing of samples by rotating or shaking.	The second secon
Main Building, A Wing, Fourth floor	423 (1)	High Vacuum Pump	Sterilizes equipment and media using high-pressure steam.	The state of the s





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Vacuum Oven	Measures bulk density of powders or granules for quality control.	The contract has a second and the se
Main Building, A Wing, Fourth floor	423 (1)	Vacuum Pump (orchid)	Tests drug dissolution in simulated gastric or intestinal fluids.	And Common And Common C
Main Building, A Wing, Fourth floor	423 (1)	Microtome	Cleans ampoules to ensure sterility before filling.	The second secon





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Moisture balance	Tests mechanical strength of tablets by measuring their resistance to abrasion.	
Main Building, A Wing, Fourth floor	423 (1)	Micro centrifuge	Fills and seals ampoules for liquid pharmaceutical formulations.	And Control of the Co
Main Building, A Wing, Fourth floor	423 (1)	Incenerator	Heats samples in labs for reactions or melting.	And colored have been dearly and the state of the state o





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Rotary Shaker	Fills empty capsules with powders, granules, or liquids.	The state of the s
Main Building, A Wing, Fourth floor	423 (1)	Autoclve	Coats tablets with protective or therapeutic layers.	
Main Building, A Wing, Fourth floor	423 (1)	Digital Bulk Density Appratus	Provides sterile environment for microbial or pharmaceutical processes.	THE SOCIETY AND THE SAME AND TH





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	3 in 1 Disodisi tester	Determines the melting point of solid compounds for identification.	
Main Building, A Wing, Fourth floor	423 (1)	Ampoule Washing machine	Mixes solid and liquid ingredients uniformly.	
Main Building, A Wing, Fourth floor	423 (1)	Friability tester	Tests time required for tablets to disintegrate in a fluid.	

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Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Digital PH meter	Sterilizes samples or equipment digitally monitored for precision.	The congrain as a few montes
Main Building, A Wing, Fourth floor	423 (1)	Ampoule Sealing And Filling machine	Compresses powder into tablets of uniform size and weight.	COHNE,
Main Building, A Wing, Fourth floor	423 (1)	Hot Plate	Removes moisture from materials using hot air circulation.	NOT PRATE IN





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Capsule Filling Machine	Mixes liquids or solutions using mechanical stirring.	The state of the s
Main Building, A Wing, Fourth floor	423 (1)	Tablet Coating Pan	Cleans bottles for pharmaceutical or industrial use.	idis
Main Building, A Wing, Fourth floor	423 (1)	Aseptic Cabinet	Extracts liquid from plant materials under pressure.	

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NAAC – Cycle – 1			
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Criterion- 3	R, I & E		
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Melting Point Apparatus	Fills tubes with ointments or creams efficiently.	
Main Building, A Wing, Fourth floor	423 (1)	Mass Mixture Hand Operated	Blends and homogenizes samples for uniform particle distribution.	
Main Building, A Wing, Fourth floor	423 (1)	Disintigration Apparatus	Maintains controlled environment for biological oxygen demand testing.	

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NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Digital Autoclav	Separates particles based on size using vibratory motion.	
Main Building, A Wing, Fourth floor	423 (1)	Rotary Tablet Punching Machine	Seals bottles to ensure sterility and prevent leaks.	Liopries
Main Building, A Wing, Fourth floor	423 (1)	Tray Dryer	Provides uniform heating for sterilization or drying.	





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Michenical Stirrer	Precisely fills liquids into containers or bottles.	
Main Building, A Wing, Fourth floor	423 (1)	Bottle Washing machine	Measures electromotive force (EMF) or potential difference of a circuit.	BOTTLE WASHING MACHINE
Main Building, A Wing, Fourth floor	423 (1)	Ticture Press	Measures turbidity or cloudiness of liquids, indicating particle concentration.	

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NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3	M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Ointment Tube Filling Machine	Measures concentration of certain metal ions in solutions using flame emission.	
Main Building, A Wing, Fourth floor	423 (1)	Homogenizer	Detects and measures fluorescence intensity of compounds for analysis.	70.110
Main Building, A Wing, Fourth floor	423 (1)	B.O.D. Incubator	Measures refractive index to determine concentration or purity of substances.	

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NAAC – Cycle – 1		
AISHE: U-0967		
Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Seive Shaker	Measures electrical conductivity of a solution to assess ionic content.	
Main Building, A Wing, Fourth floor	423 (1)	Bottle Sealing machine	Determines concentration of colored compounds in a solution using absorbance.	
Main Building, A Wing, Fourth floor	423 (1)	Hot Air Oven	Measures optical rotation to identify chiral substances or concentration of optically active compounds.	





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3	R, I & E			
KI 3.3	M 3.3.1			

Building	Room/ Lab No.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Main Building, A Wing, Fourth floor	423 (1)	Liquid Filling machine	Determines water content in samples using Karl Fischer titration.	

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Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Details of Instruments - Workshop

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Workshop, Ground Floor	01	Milling Machine	Remove material from a workpiece using rotary cutters to achieve desired shapes, dimensions, and surface finishes.	Tables, Culcium, India are 2 all all age and 3 all all age and 3 all all age and 3 all
Workshop, Ground Floor	01	Drilling Machine	Create holes in workpieces using rotating drill bits, enabling precise and accurate hole-making operations in various materials.	Third County and the
Workshop, Ground Floor	01	Shaper Machine	Produce flat surfaces, slots, and irregular shapes on workpieces by removing material using a reciprocating cutting tool.	Philips Colored Valida

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NAAC – Cycle – 1			
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Criterion- 3 R, I & E			
KI 3.3	M 3.3.1		

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Workshop, Ground Floor	01	Hackshaw Cutting Machine	Cut through materials by using a manual saw with a fine-toothed blade, often used for metalworking or woodworking tasks.	RIAMA, COURT, INST. LE 22 JOHNS LE 22 JOHNS LE 22 JOHNS AND COURT OF MARKET COURT OF MARKE
Workshop, Ground Floor	01	TIG Machine	Join metals together by creating an arc between a non-consumable tungsten electrode and the workpiece while shielding the weld zone with inert gas.	
Workshop, Ground Floor	01	MIG Machine	Join metals together by using a consumable electrode wire that melts and forms a weld pool, while shielding the weld zone with inert gas.	Ration, Colorer, India, Louis James
Workshop, Ground Floor	01	Arc Welding Machine	Join metals together by creating an electrical arc between a welding electrode and the workpiece, melting the metals and forming a weld joint.	MRAIL, Calarer, India. Language Manager Manag

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Atmiy Registratity, Rajkot-Gujarat-India





NAAC – Cycle – 1		
AISHE: U-0967		
Criterion- 3 R, I & E		
KI 3.3	M 3.3.1	

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Workshop, Ground Floor	01	CNC Machine	Automate and control machining operations with high precision and accuracy using computer programs and machine tools.	Radio Colorest, India La Zarastor La Zaras
Workshop, Ground Floor	01	VMC Machine	Perform milling, drilling, and cutting operations on workpieces with precision and efficiency using vertical spindle orientation and computer programs	Richard, Colorett, Yorking Ri
Workshop, Ground Floor	01	Lathe Machine	Perform various machining operations such as turning, facing, drilling, and threading on workpieces to achieve desired shapes and dimensions.	The Column (see a see a





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3	M 3.3.1		

Details of Instruments - Science Building

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	215	Thermocycler	For exponential amplification of gene (DNA)	Yogidham Gurukul Campus, Kalavad Rd, Nandanavan Society, Maruti Nagar, 15 Apr 2024 04:31 PM 8.0 °C
Science Building, Second Floor	215	Biosafety Cabinet	For working with biohazardous or infectious organisms to prevent contamination	The Control Times and

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NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3	M 3.3.1			

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	215	Thermocycler	For exponential amplification of gene (DNA)	Yogidham Gurukul Campus, Kalavad Rd, Nandanavan Society, Maruti Nagar, 15 Apr 2024 0432 PM 38.0 °C
Science Building, Second Floor	215	Centrifuge	For separation of particles suspended in aqueous medium according to particle size and density, viscosity of the medium, and rotor speed.	Yogidham Gurukul Campus. Kalavad Rd, Nandanavan Society, Maruti Nagar, 15 Apr 2024 04:19 PM 38.0 °C





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3	M 3.3.1			

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	215	Orbital Shaker	For a variety of general-purpose shaking applications in cell culture, bacterial growth and suspension, staining and washing procedures.	Yogidham Gurukul Campus, Kalavad Rd, Nandanavan Society, Maruti Nagar, 15 Apr 2024 0426 PM 38.0 °C
Science Building, Second Floor	215	Clone Zone Biosafety Cabinet	This cabinet is specially designed to save the user from all kinds of biological hazards.	Yogidham Gurukul, Marut Nagar, Nana Mava, Rajiot, Guyard 360005, India 15 Apr 2024 04:34 PM

Atmiy University, Rajkot-Gujarat-India





	NAAC – Cycle – 1				
	AISHE: U-0967				
Crit	Criterion- 3 R, I & E				
K	XI 3.3	M 3.3.1			

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	215	Gel Doc	For recording and analyzing differently stained gels and membranes from gel electrophoresis and membrane blotting experiments	Yogidham Gurukul Campus, Kalavad Rd, Nandanavan Society, Maruti Nagar, 15 Apr 2024 04:28 PM 38.0 °C
Science Building, Second Floor	210	Deep Freezer	For storing and organizing a different kind of biological samples for a long time, from a few months up to even a couple of years.	Atmiya College, 7QJ8+W/3, Kalavad Rq, Nandanavan Society, Marutt Nagar, 16 Apr 2024 11:24 AM 35:0°C





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	210	Inverted Microscope	For live cell imaging.	Atmiya College, 7:0 8+W/3, Kalavad Rd, Nandanavan Society, Maruti Nagar, 16 Apr 2024 11:23 AM 35.0 °C
Science Building, Second Floor	210	Laminar Air Flow	For aseptic culturing of animal cells	Atmiya College, 70/8+W3, Kalavad Rd, Nandanavan Society, Maruti Nagar, 16 Apr 2024 11:25 AM 35.0 °C





NAAC – Cycle – 1		
AISHE: U-0967		
Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	210	Co2 Incubator	For growth and maintenance of animal cells	Yogidham Gurukul, Maruti Nagar, Nana Maya, Rajkot, few clouds 16 Apr 2024 11:21 AM 55.0 °C
Science Building, Second Floor	210	Centrifuge	For separation of particles suspended in aqueous medium according to particle size and density, viscosity of the medium, and rotor speed.	Yogidham Gurukul, Maruti fen Magar, Nana Mava, Rajkot, Gujarat 360005, India 16 Apr 2024 11:22 AM 55.0 °C





NAAC	NAAC – Cycle – 1			
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	207	Bod Incubator	For determining levels of organic matter and nitrogen in wastewater samples. For providing the required temperature for microbial growth and performing the BOD testing.	Yogidham Gurukul, Marut Nagar, Nana Mava, Rajkot, fev. Gujarat 360005, India 15 Apr 2024 03:18 PM 38.0 °C
Science Building, Second Floor	207	Orbital Shaker	For a variety of general-purpose shaking applications in bacterial growth and suspension, etc along with staining and washing procedures.	Yogidham Gurukul Campux, Siree M. & N. Society, Maruti Nagar, 15 Apr 2024 04:24 PM 38.0 °C





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	207	Bead Ruptor	For grinding, lysing, and homogenizing biological samples prior to molecular extraction	Yogidham Gurukul, Maruti Nagar, Nana Mava, Rajkot, Gujarat 360005, India 15 Apr 2024 03:05 PM
Science Building, Second Floor	207	Visible Spectrophotometer	For quantifying nucleic acid and protein content in biological samples.	Yogidham Gurukul, Marufi Nagar, Nana Mava, Rajkot, Gujarat 360005, India 38.0 °C





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	207	Microoven	For media preparation extraction, disinfection, etc.	Vogidham Gurukul Campus, Kalavad Rd, Nandanavan Society, Manuti Nagar, 15 Apr 2024 03:19 PM 38.0 °C
Science Building, Second Floor	207	Water Bath	For incubation of biological samples in water at a constant temperature over a long period of time.	Yogidham Gurukul, Maruti Nagar, Nana Mava, Rajkot, Googleenor 15 Apr 2024 0311 PM 38.0 °C





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	207	Inverted Microscope	For live imaging of cells	Yogidham Gurukul Campus, Kalavad Rd. Nandanavan Society, Maruti Nagar, 15 Apr 2024 03-21 PM
Science Building, Second Floor	207	Incubator	For the growth and maintenance of microbiological cultures.	Yogidham Gurukul, Maruti Nagar, Nana Mava, Rajkor, few Goujara 36005, India 15 Apr 2024 02:14 PM





NAAC – Cycle – 1		
AISHE: U-0967		
Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	207	Cooling Centrifuge	For separation of cells, organelles, and cellular components, such as DNA, RNA, and proteins in cold conditions.	Yogidham Gurukul, Maruti Nagar, Nana Mava, Rajkot, Govis Govis Spire M
Science Building, Second Floor	213	Incubator	For the growth and maintenance of microbiological cultures.	Yogidham Gurukul, Maruti Nagar, Nana Mava, Rajkot, few Gujarat 360005, India 15 Apr 2024 03:55 PM 38.0 °C





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	213	Orbital Shaker	For a variety of general-purpose shaking applications in bacterial growth and suspension, etc along with staining and washing procedures.	Vogidham Gurukul, Marud Nagar, Nana Mava, Rajkot, Googlee L 15 Apr 2024 03:16 PM 38.0 °C
Science Building, Second Floor	204	Laminar Air Flow	For aseptic culturing and maintenance of plant tissue, callus etc.	Skylot Calgary, India Skylot Calgary, India





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	204	Deep Freezer	For storing and organizing different kind of biological samples for a long time, from a few months up to even a couple of years.	Vogidham Gurukul, Maruti Nagar, Nana Mava, Rajkot, few Gujarat 360005, India GODGRO Ct. 15 Apr 2024 03:35 PM 38.0 °C
Science Building, Second Floor	204	Laminar Air Flow	For aseptic culturing and maintenance of plant tissue, callus etc.	Yogidham Gurukul, Maruti Nagar, Nana Mava, Rajkol, Gujarat 360005, India 15 Apr 2024 03:39 PM 38.0 °C





NAAC – Cycle – 1				
AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	Preparation room	Refrigerator	For the storage of biological samples for long durations.	Yogidham Gurukul, Maruti Nagar, Nana Mava, Rajkot, Gujarat 360005, India 1s Apr 2024 03:30 PM
Science Building, Second Floor	Preparation room	Hot Air Oven	For sterilization process and checking temperature stability of samples.	Yogidham Gurukul, Maruti Nagar, Nana Mava, Rajkot, few Gujarat 360005, India 15 Apr 2024 03.28 PM 38.0 °C





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Second Floor	Preparation room	Auoclave	For decontaminating biological waste and sterilizing media, instruments and lab ware.	Vogidham Gurukul, Maruti fee Magar, Nana Maya, Rajkot, Gujarat 360005, India 15 Apr 2024 03:27 PM 88.0 °C
Science Building, Second Floor	217	Weighing Balance	For the correct weighing of samples, reagents, media etc.	Vogidham Gurukul, Maruti kata Mayar, Nana Maya, Rajkot, ered diougist 16 Apr 2024 11:16 AM 35.0 °C





NAAC – Cycle – 1			
AISHE: U-0967			
Criterion- 3 R, I & E			
KI 3.3 M 3.3.1			

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Thirdfloor	305	Spectrophoto Metre	Determine metal ion concentration	Notice: Goldense hands Allow: Goldense hands To 20 states To 20 state
Science Building, Third floor	305	Ph-Metre	Determine unknown concentration of solution	Rajorio, Oujerar, ricita Visipilimo Donnaci, busto Visipi, fees State, Balorio, Guiar 100000, role Long Trivener Longita of tion and other visibility
Science Building, Third floor	305	Ph-Metre	Determine unknown concentration of solution	Note: A challent, Note: Section of the challent of the challen





NAAC – Cycle – 1			
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Criterion- 3 R, I & E			
KI 3.3	M 3.3.1		

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Third floor	305	Ph-Metre	Determine unknown concentration of solution	Self-Allers And Control Parks And Control BOOK And AND CONTR
Science Building, Third floor	305	Polarimetre	Determine Specific rotation of solution	COPS Map Camera Total doors and Total root may have been the broken doors 10000, min Let 32 2000 for part of the Let 22 2000 for part of the
Science Building, Third floor	305	Conductometre	Determine unknown concentration of solution	Specification and the first blook, Guard 10000, mile Language part of the first blook, Guard 100000, mile Language part of the first blook, Guard 100000, mile Language part of the first part o
Science Building, Third floor	305	Conductometre	Determine unknown concentration of solution	Robert, Colorer, Inde Open-Stopel, Control Report, Nation, Colorer 200000, Inde Open-Stopel, Manual Report, Nation Report, Open-200000, Inde Open-20000000, Independent Colorer 2000000, Inde Open-2000000000000000000000000000000000000

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Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Third floor	305	Conductometre	Determine unknown concentration of solution	Righert, Colleger, Stadie Language Stadies (Language March Calgory Motority, Inde Language Colleger (Language Motority) (Langu
Science Building, Third floor	305	Ultrasonic Interferometer	Determine Compresibility of unknown concentration of solution	Rejdert, Copiese, Holds GOPS Map Camera Rejdert, Copiese, Holds Let 22 and Part Copiese Angue, Gapert 200000, Holds Reflect Part and earl code 30 Reflect Part and and code 30
Science Building, Third floor	305	Refractometre	Determine Refractive index of unknown concentration of solution	Rajus, Cojupea, India open in size, A teach layer, Innea Stean, Report, Science 200005, India (long in State of the Control





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Criterion- 3 R, I & E				
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Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Third floor	305	Weight Balance	Determine weight of substance	Rajbot, Orderet, India September Conditional, Maria September State, Agust 2000f, sels Order 2000f, sels Agust 2000f, sels Order 2000f, sels Agust 2000f, sels
Science Building, Third floor	314	UvSpectrophoto Meter	To determine Y max of given solution	Tops Map Camera And County, Mod. And County, M





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AISHE: U-0967				
Criterion- 3 R, I & E				
KI 3.3 M 3.3.1				

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Third floor	314	Furnace	heat the substance up to 1200 C	Rajor, Oglards, India Symphonic Disord, Anni Mayo, Yuan Mana, Rajor, Quarar 200008, Italia Single and Disord Anni Anni Colora 200008, Italia Single and Disord Anni Anni Colora 200008, Italia
Science Building, Third floor	315	Furnace	1200 degree celcius	Bullyin, Gutzert, Irolia Sapper Hap Cumera Sapper





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AISHE: U-0967		
Criterion- 3	R, I & E	
KI 3.3	M 3.3.1	

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Third floor	314	Rotavapor	Distillation, Separationand purification	Biblet - Quarter, India Tops Hap Camera Tops Tops - Courter - Series Tops - Courter - Series Top - Se
Science Building, Third floor	315	Hot Own	dry compound	Robot, Gulant, India To do die, Yosean Levide To do die, Yosean Sawrin, Rosa Rase, Gulant 2000K, anda Lang Yu-Near Zuddood 2754 AM ADM 1 09 20

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Criterion- 3 R, I & E			
KI 3.3	M 3.3.1		

Building	Room no.	Instrument Name	Instrument Purpose	Geo Tagged Photographs
Science Building, Third floor	315	Hot Own	dry compound	Refuser: Online To violation and the state of the state o
Science Building, Third floor	305	Old Weight Balance	weight compound	Roder, Galers, India Roder, States States Hopen Name Name, Name States SECON, Select Let 21 1979 Second
Science Building, Third floor	314	Ice Maker	PREPARE ICE	Right, Calary, India

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