



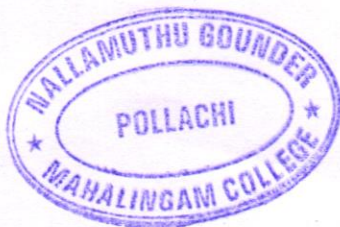
Nallamuthu Gounder Mahalingam College

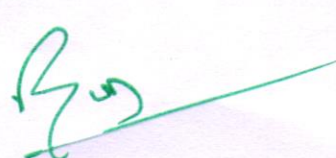
(An Autonomous Institution, Affiliated to Bharathiar University)

90, Palghat Road, Pollachi-642001, Coimbatore, Tamil Nadu, India.

Labs Details – List of Lab Equipments

S.No.	Name of the Department	Area in Square Feet (Sq.ft.)	Total Number of Equipments
1	UG.Botany	3073.3	24
2	UG. & PG.Physics	5406.4	141
3	PG. Botany	698.5	19
4	UG.Chemistry	2173.5	17
5	PG.Chemistry	2468	19
6	UG.Zoology	2349.8	44
7	English Language Lab	1789.75	121




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NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS)

DEPARTMENT OF BOTANY

1. Number of labs – 2

S. No	Laboratories Name	Room No.
1.	Botany Lab	A-229
2.	Research Lab	A-227

2. Area in square feet

S. No	Laboratories Name	Square feet
1.	Botany Lab	2173.50 sq.ft
2.	Research Lab	899.80 sq.ft

3. List of Lab Equipment's

S.No	Name of the equipment's	Make	Funding
1.	Thermo cycler (PCR)	GeNei	DST-FIST
2.	Visible spectrophotometer	Labman	DST-FIST
3.	Phase contrast microscope	Radial	NGM
4.	pH meter (2nos)	Vision plus	NGM
5.	Weighing balances (3nos)	Wensar	NGM
6.	Water bath	Vision plus	NGM
7.	Centrifuge (2nos)	Remi	NGM
8.	Hot air oven	Genunine	NGM
9.	Hot plate	Ajay	NGM
10.	Cyclomixer	Remi	NGM
11.	Digital photo calorimeter	Vision plus	NGM
12.	Photo electric calorimeter	Erma	NGM
13.	Electrophoresis	Medax	NGM
14.	Digital spectrophotometer	Labtronics	NGM
15.	Spectrophotometer	Systronics	NGM
16.	Ultra centrifuge	Remi	NGM
17.	Autoclave (2 nos)	Kemi	NGM
18.	Incubator	NSW India	NGM
19.	Soxhlet apparatus	Sigma group	NGM
20.	Laminar air flow chamber	Cleanair	NGM
21.	Magnetic stirrer	Remi	NGM
22.	Microtome	ADCO	NGM
23.	Compound microscope (74nos)	-	NGM
24.	Dissecting microscope (38 nos)	-	NGM



PG and Research Department of Physics

Area of Physics Laboratories

PG Lab (MSc)	–	50' x 38'3" ft
UG Lab (BSc)	–	39' x 50'6" ft
Optics Lab	–	18'8" x 30' ft
Thin film Lab	–	18'8" x 30' ft
Department Library	–	10' x 39' ft

S.No	Name of Apparatus	Manufacturer	Funding Source	Year of Purchase
1.	Dual Power Supply	PICO		1997
2.	Variable Power Supply (0-15V)	ADD	MANAGEMENT	2019
3.	Voltmeter (0-3V)	BESTO	MANAGEMENT	2015
4.	Voltmeter (0-10V)	BESTO	MANAGEMENT	2015
5.	Microammeter (0-500)	BESTO	MANAGEMENT	2005
6.	Microammeter (0-100)	BESTO	MANAGEMENT	2005
7.	Milliammeter (0-100)	BESTO	MANAGEMENT	2005
8.	Milliammeter (0-10)	WESTERN	MANAGEMENT	2015
9.	Ammeter (0-2)			
10.	Ammeter (0-5)			
11.	Condenser Box (4Dial)	PICO	MANAGEMENT	2015
12.	Resistance Box (4 Dial)	PICO	MANAGEMENT	2015
13.	Microprosster (MP-8085)	ZEBRONICS	MANAGEMENT	2015
14.	Keyboard	ZEBRONICS	MANAGEMENT	2015
15.	AFO (OLD)	SYSTRONIC		2012
16.	AFO (NEW)	S TECH	MANAGEMENT	2022
17.	CRO	SCIENTIFIC	UGC	2024
18.	Transformer (0-15V) 1Amp			



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19.	Transformer (0-12V) 1Amp...	..	..	..
20.	Digital Multimeter (Old Type)	MECO		
21.	Digital Multimeter (New Type)	MECO		2023
22.	Analog Multimeter (Old)	SANWA	UGC	1993
23.	Polarimeter Experimental Setup	ELMAC'S	UGC	2018
24.	Planck Constant Setup	BESTO		2018
25.	Hysteresis Loop Tracer Experimental Setup	SES INSTRUMENT	MANAGEMENT	2019
26.	Dielectric Constant Experiment Apparatus			
27.	Optical Fiber			
28.	Quincke's Method Arrangement			
29.	CDS	HOLMARC	FIST	2015
30.	Michelson's Interferometer	BESTO	MANAGEMENT	2004
31.	Zeeman Effect	SES INSTRUMENT (R)		2015
32.	Ultrasonic Diffractions	PICO	MANAGEMENT	2019
33.	Magnetic Susceptibility (Guoy's Method)			
34.	E/M Millikan's Oil Drop Method	ELMAC'S	UGC	2018
35.	Four Probe Method			
36.	Young's Modules	BESTO	MANAGEMENT	2015
37.	Mayor's Oscillating disc	BESTO	MANAGEMENT	2015
38.	Forbe's Method	BESTO	MANAGEMENT	2004
39.	Temperature Co-efficient (Thermistor)			
40.	Rydberg's Constant - Helium Spectrum	ELMAC'S	UGC	2018
41.	Rydberg's Constant - Solar Spectrum			




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42.	E/M Thomson Method	SES INSTRUMENT	MANAGEMENT	2019
43.	Laser - Spot size, Divergence Wavelength	HOLMARC	MANAGEMENT	2003
44.	Laser - Refractive Index Liquid & Absorbion Co-efficient	HOLMARC	MANAGEMENT	2003
45.	Biprism Arrangement		MANAGEMENT	2005
46.	Stefan's Constant	BESTO	MANAGEMENT	2019
47.	Stop Watch	RACER		
48.	Vernier Caliber	BESTO		2022
49.	Screw Gauge	BESTO		2022
50.	Digital Oscilloscope	ELMAC'S	UGC	2018
51.	Hall Effect Arrartay	SES INSTRUMENT	MANAGEMENT	2019
52.	Electric Analytical Balance	HOLMARC	FIST	2015
53.	Geiger Counting System	NUELINIX	FIST	2015
54.	Galvanometer	BEEMET		2022
55.	Thermometer	DIMPLE		2022
56.	Joule's Calorimeter	BESTO		2022
57.	Fabry Interference	BESTO	MANAGEMENT	2005
58.	Vaccum Annealing Furnace	ACEESTECH SYSTEM	UGC	2013
59.	Tubular Furnace	TECHNICO PVT LTD	UGC	2013
60.	LCR Meter	HIOKI (JAPAN)	UGC	2014
61.	Electronic Toppan Balance	SHIMADZU	BRNS	2014
62.	Resist Vaccum Spin Coater	VACUTECH SYSTEM	BRNS	2014
63.	Revolutionary General Purpose Lap Centrifuge with Speed Regulator	REMI	BRNS	2014
64.	High Voltage: DC Stable Piezo Driver/Power Amplifer	TREK	BRNS	2015
65.	AP Lab Multi Waveform Signal Generator	APLAB	BRNS	2017
66.	PTFE Linger Hydro Thermal Sysnthesis Reactor (Autoclave)	LAKSHMI ENG INDUSTIES	BRNS	2017
67.	Digital PID Controlled Hot Air Oven	LABTECH	MANAGEMENT	2023



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68.	Electrical Groved Muffle Furnace	TECHWCEE		2011
69.	5V Battery	PICO	MANAGEMENT	2015
70.	2V Battery	PICO	MANAGEMENT	2015
71.	15V Battery -Old	PICO	MANAGEMENT	2015
72.	Duel Power Supply	PICO	MANAGEMENT	2015
73.	Voltmeter (0-3)V	BESTO	MANAGEMENT	2015
74.	Voltmeter (0-5)V	BESTO	MANAGEMENT	2015
75.	Voltmeter (0-10)V	BESTO	MANAGEMENT	2015
76.	Milliammeter (0-500)mA	BESTO	MANAGEMENT	2005
77.	Milliammeter (0-100)mA	BESTO	MANAGEMENT	2005
78.	Ammeter (0-5)A			
79.	Ammeter (0-6)A			
80.	Microammeter (0-100) μ A	BESTO	MANAGEMENT	2005
81.	Microammeter (0-500) μ A	BESTO	MANAGEMENT	2005
82.	Resistance Box 5 Dial	PICO	MANAGEMENT	2005
83.	Resistance Box 4 Dial	PICO	MANAGEMENT	2005
84.	Galvanometer (0-30)	BEEMET	MANAGEMENT	2022
85.	Galvanometer (0-30)	WESTERN	MANAGEMENT	2005
86.	Resistance Box 1 Dial	PICO	MANAGEMENT	2005
87.	DPDT Swith	PICO	MANAGEMENT	2005
88.	Danial Cell	PICO	MANAGEMENT	2015
89.	Potentiometer	PICO	MANAGEMENT	2005
90.	Spectrometer	BESTO	MANAGEMENT	2015
91.	Travelling Microscope	BESTO	MANAGEMENT	2005
92.	Telescope	BESTO	MANAGEMENT	2005
93.	Sodium Vapour Lamp	PHILLIPS	MANAGEMENT	2015
94.	Mercury Lamp	PHILLIPS	MANAGEMENT	2015
95.	Heater		MANAGEMENT	2015
96.	Compound Pendulum		MANAGEMENT	2005
97.	Torisonal Pendulum		MANAGEMENT	2005
98.	Stop Watch Digital	RACER	MANAGEMENT	2005
99.	Circuit Coil	BESTO	MANAGEMENT	2019
100.	Vibrating Magnetometer			
101.	Tangent Galvanometer		MANAGEMENT	1990
102.	Rheostat (110 Ω)	BESTO	MANAGEMENT	2005
103.	Rheostat (150 Ω)	BESTO	MANAGEMENT	2005
104.	Rheostat (24 Ω)	BESTO	MANAGEMENT	2015
105.	Rheostat (50 Ω)	BESTO	MANAGEMENT	2015
106.	Rheostat (15 Ω)	BESTO	MANAGEMENT	2005
107.	Rheostat (1000 Ω)	BESTO	MANAGEMENT	2005



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108.	Rheostat (20 Ω)	BESTO	MANAGEMENT	2005
109.	Rheostat (56 Ω)	BESTO	MANAGEMENT	2005
110.	Rheostat (34 Ω)	BESTO	MANAGEMENT	2005
111.	Rheostat New (116 Ω)	BESTO	MANAGEMENT	2019
112.	Rheostat New (3350 Ω)	BESTO	MANAGEMENT	2019
113.	High Resistance	BESTO	MANAGEMENT	2004
114.	Commutator	HRS	MANAGEMENT	2005
115.	Meldes String		MANAGEMENT	2004
116.	Joules Calorimeter	BESTO	MANAGEMENT	2005
117.	Static Torison(Wheel)			
118.	Searles Viscometer		MANAGEMENT	2015
119.	MFD (New) 1 DIAL	PICO	MANAGEMENT	2019
120.	Microprocessor 4 NO	MICRO	MANAGEMENT	2019
121.	Sonometer		MANAGEMENT	2015
122.	Digital V(DC)(0-19.99V)	PICO	MANAGEMENT	2019
123.	Digital mV-(AC)(0-19.99V)	PICO	MANAGEMENT	2019
124.	Digital V(AC)(0-19.99V)	PICO	MANAGEMENT	2019
125.	Digital Ammeter A(0-1.999)	PICO	MANAGEMENT	2019
126.	Digital mA(DC)(0-19.99mA)	PICO	MANAGEMENT	2019
127.	Digital μ A(DC)(0-199.99 μ A)	PICO	MANAGEMENT	2019
128.	Capillary Tube		MANAGEMENT	2005
129.	Screw Gauge		MANAGEMENT	2005
130.	Spirit Level		MANAGEMENT	2005
131.	Hollow Prism		MANAGEMENT	2005
132.	Reading Lens		MANAGEMENT	2005
133.	Prism		MANAGEMENT	2005
134.	Covex Lens (50mm)		MANAGEMENT	2005
135.	Burette (50ml)	BOROSIL	MANAGEMENT	2015
136.	Burette (50ml)	BESTO	MANAGEMENT	2022
137.	Thermometer (100 C)	BOROSIL	MANAGEMENT	2019
138.	Transformer (35 watts)		MANAGEMENT	2015
139.	Deflection Magnetometer	BESTO	MANAGEMENT	2019
140.	Ballistic Galvanometer	BESTO	MANAGEMENT	
141.	Thermocouple	PICO	MANAGEMENT	1990

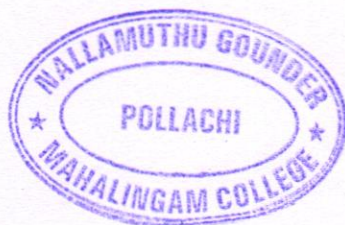


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PG and Research Department of Botany

Lab-1:- Area- 698.5 Sq. ft.

S.NO.	Instrument Name	Make	Funding Source	Year of Purchase
1.	Junior Student Microscope	Almicro	Management	2017
2.	Autoclave	Universal scientific	Management	2018
3.	Microwave oven mini	Bajaj	Management	2018
4.	Soxhelt apparatus with multiple unit	Sunbim	Management	2018
5.	Mini Rotary Shaker	Remi	Management	2019
6.	UV- Visible Spectrophotometer	Labman	Management	2019
7.	Vortex Mixer	Remi	Management	2019
8.	Digital pH meter	Elico	Management	2019
9.	Mini Pulverizer mechine	SS Grevy	Management	2019
10.	Magnetic stirrer	Remi	Management	2019
11.	Incubator	Scientex	Management	2019
12.	Hot Plate	Sigma	Management	2019
13.	Hot Air Oven	Scientex	Management	2019
14.	Dissection Microscope	Almicro	Management	2019
15.	Medical microscope	Almicro	Management	2019
16.	Colony counter	Deepvision	Management	2019
17.	Stereo Microscope	STM - 82	Management	2021
18.	Rotary Microtome	Weswox	Management	2021
19.	Distillation Unit	Riviera	Management	2021




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DEPARTMENT OF CHEMISTRY (UG -AIDED)

LIST OF EQUIPMENTS

S.No	Name of the equipment	Number of Units	Year of Purchase	Company/Make Up details	Fund details (UGC/DST/ Management/ Autonomy/others)
1.	Muffle furnace	1	2015	Hasthas	DST FIST
2.	Benchtop incubator cum orbital shaker	1	2015	NEOLAB	DST FIST
3.	Double beam UV-Visible spectrophotometer	1	2015	Cyberlab	DST FIST
4.	All Glass Double distillation unit	1	2015	BHANU Model:ES 2000/DDQ	DST FIST
5.	Fume hood	1	2017	Kleanzone	Management
6.	Rotary evaporator	1	2019	SPAN	Management
7.	Centrifuge	1	2019	REMI	Management
8.	Heating Mantle with magnetic stirrer	1	2019	REMI	Management
9.	Magnetic stirrer	1	2019	REMI	Management
10.	Heating mantle	1	2019	REMI	Management
11.	Hot air oven	1	2019	Genuine	Management
12.	Analytical balance	1	2019	SHIMADZU, Model: ATX224	Management
13.	Double distillation unit	1	2019	Labsil, OPTI-D-Series	Management
12.	Sonicator	1	2019	ACUTEK	Management
15.	Potentiometer	2	2019	Infra-IR511B	Management
16.	Mini RO Plant	1	2019	AQUOION	Management
17.	Commercial RO Plant	1	2024	Kavin Aqua Enterprise	Management



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PG DEPARTMENT OF CHEMISTRY

Lab Details

Number of Laboratories	: 2
Total Laboratory Size	: 2468 sq ft
✦ Inorganic & Organic Lab	: 1024 sq ft
✦ Physical Lab	: 1024 sq ft
✦ Preparation Room	: 320 sq ft
✦ Store Room	: 100 sq ft

The List of equipments & MAKE

✦ Distillation Unit	: ES-2 "BHANU"
✦ Water bath 12 holes	: LABTECH
✦ Orbit shaker	: NEOLAB
✦ Analytical Balance	: WENSAR
✦ Rotary Vacuum Evaporator	: SUPERVAC
✦ Heating mantle	: SIGMA MAKE & LABTECH
✦ Melting point Apparatus	: SIGMA MAKE
✦ Potentiometer	: "VANIRA" LI 36 & PICO
✦ Conductivity meter	: "ELICO" CM 180 & "LABMAN" LMCM
20	
✦ pH meter	: ELICO
✦ Colorimeter	: ELICO
✦ Hot air oven	: NARANG SCIENTIFIC WORKS



✦ Muffle furnace	: SCIENTECH MAKE
✦ HOT Plate Magnetic Stirrer	: REMI
✦ Centrifuge Machine	: REMI
✦ Lyophilizer	: DELVAC
✦ Microwave Oven	: LG
✦ Sonicator	: KINGLAB
✦ UV-Visible Spectrometer	: SYSTRONICS




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DEPARTMENT OF ZOOLOGY (UG -AIDED)

S.No	Acc. No	Date of Purchase	Particular	Total no	Company name
1	1088	10-09-1974	Student compound microscope	8	Delivise surgical
2	1089	10-09-1974	student dissection microscope	8	Delivise surgical
3	1101	20-03-1975	Student compound microscope	12	Delivise surgical
4	1152	15-05-1978	Multipurpose Micro-projector	1	The science house
5	1159	15-05-1978	Centrifuge	1	Scientific Advance
6	1160	30-03-1979	Electrophoresis "Biochemistry"	1	Central Scientific Company
7	1163	11-12-1979	Kymograph kit	1	Delight Surgical Coimbatore
8	1169	05-10-1980	Senior Rotatary Microtome	1	The Science House
9	1170	13-05-1980	Stereoscopic Binocular Model	1	The Science House
10	1171	15-05-1980	Hot Air Oven	1	Concord Instruments Pvt. Ltd
11	1174	21-01-1982	Projection Microscope	1	Popular Enterprises Madurai
12	1190	22-03-1983	Student Dissection Microscope	10	Free India Scientific Company
13	1363	03-12-1986	ERMA Photoelectric Calorimeter model AE11N	1	Popular Enterprises Madurai
14	1431	26-04-1988	Kelvinator Automatic Refrigerator	1	Associated electronics
15	1483	04-11-1989	Research Binocular Microscope	1	Ponnmani And Co
16	1485	04-11-1989	Single Pan Balance-Dhona	1	Ponnmani And Co




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17	1487	08-10-1989	Exclusive Sub Stage Microscope Lamp	1	Ponnmani And Co
18	1511	20-03-1990	Biochem Make Digital Oxygen Analyser Model M-80	1	The Central Scientific Suppliers
19	1512	20-03-1990	Research Binocular Microscope	1	The Central Scientific Suppliers
20	1709	01-12-1998	Digital Spectrophotometer - 106	1	Sindhu Traders
21	1817	10-08-2002	Compound Microscope- Deluxe	10	ABC Marketing
22	1842	28-10-2003	Serological Water Bath	1	The Precision Scientific Company
23	1831	10-08-2002	Double Pan Balance	1	ABC Marketing
24	1968	06-12-2010	Digital PH Meter	1	The Precision Scientific Company
25	1969	06-12-2010	Electronic Top Loading Balance	1	The Precision Scientific Company
26	2000	30-04-2013	Students Compound Microscope	10	Hindustan Scientific Company
27	2001	29-01-2014	LG Refrigerator – Vgurd -stand	1	LG Shop
28	2023	20-11-2014	Ultra scope	1	The Precision Scientific Company
29	2024	19-12-2014	Blue Filter	1	The Precision Scientific Company
30	2070	17-11-2014	Student Binocular Research Microscope- Radical	1	Hindustan Scientific Company
31	2071	17-11-2014	Students Compound Microscope	10	Hindustan Scientific Company
32	2072	17-11-2014	Water And Soil Analysis Kit	1	Hindustan Scientific Company
33	2073	09-05-2015	Revolutionary Top Cooling Centrifuge REMI Make With 24 X1.5m Rotator Head	1	The Precision Scientific Company
34	2027	22-01-	Megnatic strier-100ml	1	Hindustan Scientific



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		2015			Company
35	2117	28-05-20219	UV Spectro photometer	1	Systronics Chennai
36	2118	28-05-2019	Micro controller-HB meter	1	Systronics Chennai
UGC Major Project- Dr. Badri Sriman Narayanan					
1	UGC-02-01	31-01-2003	Mirage Deep Freezer Model 269	1	Vaidynath enterprises
2	UGC-02-02	02-05-2003	Micro plate Reader Model 680	1	A.K Enterprises
3	UGC-02-03	02-11-2003	Olympus India Binocular Microscope Model Ch20i	1	ARTEK Scientific corporation
4	UGC-02-04	26-02-2003	REMI-Revolutionary Micro Centrifuge with Speed Controller- Model RM-12C	1	Mahalakshmi scientific company
UGC Minor Project- Dr V. Dhanalakshmi					
1	UGC-13-18	05-02-2013	Autoclave	1	Hindustan Scientific Suppliers
2	UGC-13-27	29-10-2013	Soil And Water Analysis Kit -7 Parameter	1	Hindustan Scientific Suppliers
3	UGC-13-28	29-10-2013	Digital pH Meter Pen Type	1	Hindustan Scientific Suppliers
4	UGC-13-29	29-10-2013	Digital Thermo Hygrometer	1	Hindustan Scientific Suppliers



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DEPARTMENT OF ENGLISH – LAB DETAILS

1. Number of Laboratories – 2

i) Lab I-Audio Visual Lab

ii) Lab II – Computer Aided Language Lab

2. Area in Square feet of all Laboratories – Lab I - 1208.49sqft

Lab II – 590.26sqft

3. List of Lab equipments – Lab I – TV, CD's, CD Player, Head phones - 60

Lab II – Computers with Head phones – 61

Software Used – Skillmate



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