

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
New Arts, Commerce and Science College, Shevgaon



INTERNAL QUALITY ASSURANCE CELL

CRITERION- 4: Infrastructure and Learning Resources



**Physical Facilities for Teaching and Learning
2017 to 2022**

TABLE OF CONTENTS

Sr. No	Particulars	Page Number
1	Physical Facilities for Teaching-Learning	3-9
2	Classrooms and Seminar Halls With ICT-Enabled Facilities	10
3	Department-wise List of Instruments/ Equipment	11-23



PRINCIPAL
New Arts Commerce & Science College
Shevgaon, Dist. Ahmednagar

Physical Facilities for Teaching-Learning

Building	Floor	Room No.	Particulars	Number
Administrative Building	Ground Floor	A 101	Administrative Office	1
			Meeting Hall	1
			Rest Room	1
		A 102	Principal Cabin	1
			Vice Principal Cabin (Sr.)	2
			Office Supredetant Cabin	1
			Vice Principal Cabin Jr.	1
			Student Welfare Office	1
		A 103	Community College Office	1
		A 104	Record Room	2
			Pantry	1
		A 105	Ladies Lavatory	1
		A 106	Gents Lavatory	1
	A 107	Controller of Exam. Cabin, Exam. Section, Strong Room Stationery Section Account Section Property Section Scholarship Section 1 Scholarship Section 2 Establishment RUSA Section Inward/ Outward Section	01 Each	
	1st Floor	A 201	Multipurpose Hall	1
		A 202	Preparation Room	2
		A 203	Step Hall	1
		A 204	Store Room	1
		A 205	Gents Lavatory	1
	2nd Floor	A 301 - A 306	Classrooms A301 to A306	6
		A 307	Store Room	1
		A 308	Ladies Lavatory	1
	3rd Floor	A 401 – A 410	Class rooms A401 to A410	10
		A 411	Store Room	1
		A 412	Staff Room	1
		A 413	Store Room	1

Building	Floor	Room No.	Particulars	Number
Science Building	Ground Floor	S 101	Computational Chemistry Laboratory	1
		S 102	Chemistry Laboratory	1
		S 103	Physical Chemistry Laboratory	1
		S 104	Chemistry Laboratory (UG)	1
		S 105	Chemical Room	1
		S 106	Chemistry Department	1
		S 107	Analytical Chemistry Lab (PG)	1
		S 108	Organic Chemistry Lab (PG)	1
		S 109	Store Room	1
		S 110	HPLC Laboratory	1
		S 111	Gas Room	1
	1st Floor	S 201	Electronics Laboratory	1
		S 202	Health Centre	1
		S 203	Dark Room (Physics Dept.)	1
		S 204	Store Room (Physics Dept.)	1
		S 205	Physics Lab III (UG)	1
		S 206	Physics Dept.	1
		S 207	Computer Science Lab	1
		S 208	Physics Lab I (PG)	1
		S 209	Physics Lab II (PG)	1
		S 210	Computer Science (BCS) Dept.	1
	2 nd Floor	S 301	Botany Dept.	1
		S 302	Botany Lab 1	1
		S 303	Botany Lab 2	1
		S 304	Zoology Laboratory	1
		S 305	UGC Aquaculture Laboratory Community College	1
		S306	Store room	1
		S307	Zoology Dept.	1 Each
		S308	Mathematics Dept. & Lab	1
		S309	Virtual Classroom	1
S310		Technical room	1	

Building	Floor	Room No.	Particulars	Number	
Main Building (Back Side)	Ground Floor	E 101-E 104	Classrooms E101 to E104	4	
		M 101-M 102	YCMOU office Gymkhana	1	
Main Building	Ground Floor	M 103	NSS Office	1	
		M 104	Marathi Department	1	
		M 105	Hindi Department	1	
		M 106	History Department	1	
		M 107	B.B.A.(C.A.) Department		
			A) B.B.A.(C.A.) Cabin	1	
			B) Laboratory	1	
		M 107	C) Store room	1	
			M 108	NCC Office, IQAC Office With Lavatory	01 each
			M 109	Commerce Department	01 Each
		Language Lab. (English)			
		M 110	Computer IT Centre		
			A. IT Cabin	01 Each	
			B. Computer Lab.		
	M 110	C. Backup room			
M 111		English Department			
		A) Cabin	1		
M 111	B) Lecture Hall				
	M 112	Community College Laboratory	1		
M 113	Power house	1			
M 114	Classroom	1			
M 115 – M 116	Store room	2			
M 201	Store Room	1			
M 202 A	Class Room	1			
M 202 B	Store Room	1			

	1st Floor	M 203 – M 205	Class Room	3
		M 206	Audio Visual Studio and Editing room	1
		M 207	Dept. of Political Science	1
		M 208	Common Staff room A) Gents Lavatory B) Ladies Lavatory	1 Each
		M 209 – M 211	Class rooms	2
		M 212	Geography Lab 2 (PG)	1
		M 213	Geography Lab 1 (PG)	1
		M 214	Geography Department	1
		M 215	Gents Lavatory	1
	2nd Floor	M 301	Beauty Parlour	1
		M 302	Fassion Designing	1
		M 303 - M306	Classrooms	4
		M 307	Ladies Waiting room with Lavatory	1
		M 308	Classroom	1
		M 309	Commerce Computer Lab	1
		M 310	Commerce Department	1
		M 311	Multipurpose Hall	1
		M 312	Ladies Lavatory	1

Building	Floor	Room No.	Particulars	Number
Hostel Building	Ground Floor	H 101	Watchman room	1
		H 102	Power House (DP)	1
		H 103	Hostel Rector Office	1
		H 104	Waiting room	1
		H 105 – H 108	Residence rooms	4
		H 109	Dining Hall & Mess	1
		H 110	Kitchen	1
		H 111	Lavatory	6+5=11
		H 112	Store room	1
		H 113	Typing Lab	1
		H 114 – H 115	Rooms	2
		H 116	Waiting room	1
		1st Floor	H 117 - H 120	Rooms
	H 121		Reading Hall	1
	H 122		Common Hall	1
	H 123		Lavatory	6+5=11
	H 124 - H 131		Rooms	8
	2nd Floor	H132 to H135	Rooms	4
		H 136	Reading Hall	1
		H 137	Common Hall	1
		H 138	Lavatory	6+5=11
		H 139 - H146	Rooms	8
	3rd Floor	H 147	Gathering Hall	1
		H 148	Lavatory	4+2=6

Building	Floor	Room No.	Particulars	Number
Guest House	Ground Floor	1 to 3	Room 1 to 3	3
		4	Kitchen	1
		5	Lavatory	1
	1 st Floor	6 to 9	Room 6 to 9	4
		10	Dining Hall	1
		11	Lavatory	1

Building	Floor	Room No.	Particulars	Number
Library Building	Ground Floor	L 01	Backup room	1
		L 02	Librarian office	1
		L 03	Stack room	1
		L 04	Gents Lavatory	1
		L 05	Ladies Lavatory	1
		L 06	Technical room	1
		L 07	Stack room	1
		L 08	Photocopy room	1
	1 st Floor	L 09	Ladies Teacher Room	1
		L 10	Ladies Reading Hall	1
		L 11	Gents Lavatory	1
		L 12	Ladies Lavatory	1
		L 13	Periodical Section	1
		L 14	Boys Reading Hall	1
	2 nd Floor	L 15	Gents Teacher Room	1
		L 16	Gents Lavatory	1
		L 17	Ladies Lavatory	1
		L 18	Co-ordinator room	1
		L 19	Competitive Examination Hall	1

Building	Floor	Room No.	Particulars	Number
CIDA	Ground Floor	C 101	Canteen	1
		C 102 – C 103	Watchman House	1
		C 104 – C 105	Lavatory	1
		C 106	Parking 1. Principal Car Parking	1
			2&3. Reserve Parking	2
			4 to 10. Motorcycle Parking	7
		C 107	Gymkhana Department	1
		C 108	Store room	1
		C 109	Indoor Game Hall	1
		C 110	Power House	1
		C 111	Store room	1
		C 112	Rest room with Lavatory	1
	1st Floor	C 113	Principal Residence	1
		C 114	CIDA Office	1
		C 115	Rest room with Lavatory	1
	2nd Floor	C 116	Students Classroom	1

Others	
Canteen	1


Classrooms and Seminars Halls with ICT-Enabled Facilities

ICT Enabled Classrooms/ Hall	Type of ICT facility
Main Building - M 206	Audio -Visual Studio
Science Building – L 309	Virtual Classroom with Smartboard
Administrative Building – A 201	Seminar Hall with LCD/LAN Facility
Administrative Building – A 203	Seminar Hall with LCD Facility
Classroom A 301	Classroom with LCD Facility
Classroom A 302	Classroom with LCD Facility
Classroom A 303	Classroom with LCD Facility
Classroom A304	Classroom with LCD Facility
Classroom A305	Classroom with LCD Facility
Classroom A306	Classroom with LCD Facility
Classroom M111	Classroom with LCD Facility
Laboratory L103	Laboratory with LCD Facility
Laboratory L207	Computer Laboratory with LCD Facility
Laboratory L209	Physics Comp Laboratory with LCD Facility
Laboratory L303	Botany Laboratory with LCD Facility
Laboratory L304	Zoology Laboratory with LCD Facility
Laboratory L308	Mathematics Laboratory with LCD Facility
No.19 (Library)	Competitive Exam Hall with LCD Facility

Department-wise List of Instruments/Equipment

Department of Mathematics

Sr. No	Name of Instruments/Equipment	Quantity
1	Mathematical kit senior-1	01
2	Mathematical kit senior-2	01
3	Printer with scanner HP1005	01
4	Projector LED USB Interface LG PW1510 HD mini Beam	01
5	Desktop Lenovo	01
6	Dell Desktop	10


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Department of Geography

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

New Arts, Commerce and Science College Shevgaon, Dist. Ahmednagar

DEPARTMENT OF GEOGRAPHY

All INSTRUMENTS/ Maps etc. LIST- Up to 30 November - 2021

Sr. No.	Name of Instrument	Quantity	Bill No.	Purchasing Date	Amount
Year-1985-86					
01	i) Plane Table Set	02	862	03/03/1986	1260.00
	ii) Prismatic Compass With ring divided into one half Degree	03			1026.00
	iii) Tape and Chain Survey Sets (100)	02			504.00
	iv) Ranging Rods	06			115.20
	v) Map Measuring Tapes in a leather case with winding arrangement as per ISI Specification Metallic	02			276.00
	vi) Dumpy Level With quick setting precision type complete with accessories and stand	01			1500.00
	vii) Abney in a leather case 9" with slow motion	01			144.00
					Total
02	i) Wall Thermometer Japan Type	01	766	31/03/1986	18.00
	ii) Max. & Min. Thermometer Japan Type	01			48.00
	iii) Dry & Wet Bulb Thermometer Japan Type	01			48.00
	iv) Aneroid Barometer Indian	01			84.00
	v) Wind Vane Arrow Type Large	01			114.00
	vi) Robinson Cup Anemometer	01			996.00
	vii) Stencil Set 9 feet	01			660.00
	viii) Outline World Map -100x35 Cms.	01			48.00
	ix) Graph one inch Square	01			48.00
	x) Graph one inch Square	01			48.00
					Total
03	i) Abney in a leather case 9" with slow motion	01	767	31/03/1986	108.00
	ii) Rain gauge automatic type	01			240.00
	iii) Toposheets- 47/I/7, 11, 12, M/S	24			374.00
	iii) 47 I, J, O P. (one inch)	04			55.20
	iv) Conventional Sign Charts	01			19.20
				Total	796.80
Year 2010-11					
04	i) World Outline Map on PVC Sheet	01	8444	21.10.2010	259.00
	ii) Maharashtra Outline Map on PVC Sheet.	01			259.00

o/c

				Vat. 12.5%	1887.00
				Taoat	16987.00
Year-2016-17 BCUD MRP RESEARCH GRANT (P. Y. Thombare) (Sr. No. 12 & 13)					
12	i) Mirror Stereoscope	01	2186	28/07/2016	5850.00
	ii) Parallax Bar	01			7250.00
	iii) Aerial Photographs Pair	01			1375.00
	iv) Digital Calculator	01			1025.00
					Vat. 13.5%
				Total	17592.00
13	i) Measurement Tape (30 Meter)	01	3592	29/07/2016	330.00
	ii) Measurement Steel Scale (24 Inch)	01			80.00
					Total
Year-2016-17 BCUD MRP RESEARCH GRANT (Mr. K. D. Kamble)					
14	i) Mirror Stereoscope with Bar	01	C-2185	28/10/2016	23500.00
	ii) Aerial Photographs Pair	02			2750.00
	iii) Satellite imaginary	01			13950.00
	iv) Opisometer	01			2950.00
	v) Geometric Compass	01			990.00
					Total
				Vat 13.5%	5958.00
				TOTAL	50098.00
YEAR-2016-17					
15	i) Field Binocular Imported	01	2036	30//12/2016	14900.00
				Vat. 13.5.%	2011.00
					Total
YEAR-2017-18					
16	100x150 Cm Size Map , Maharashtra, India, World, Australia, Asia, Europe, South America, North America, Antaretica, Ahmednagar District	20	0796	29/09/2017	8500.00
YEAR-2019-20					
17	i) Canon 300 in in Scanner	01	3558	29/02/2020	4661.00
	ii) Camera –Nikon D-3005, DZM	01			45430.00
					SGST+CGST
				Total	50091.00
				GRAND TOTAL	303789.20
In Words: Three Lakh Three Thousand Seven Hundred Eighty Nine only					

वरील यादी डेड स्टॉक रजिस्टर वरून केली असून ती वर्षानिहाय आहे.

Dr. P. Y. Thombare 30/11/2021

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Department of Geography
New Arts, Com. & Sci. College
Shevgaon, Dist. Ahmednagar

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New Arts, Com. & Sci. College
Shevgaon, Dist. Ahmednagar

Department of Botany

Sr. No	Name of Instruments/Equipment	Quantity
1	Spectrophotometer	1
2	Colorimeter	1
3	Water distillation unit	1
4	PH meter	1
5	Autoclave	1
6	Flame photometer	1
7	Conductivity meter	1
8	Shakers	1
9	Centrifuge machine	1
10	Laminar airflow machine	1
11	Suction pump	1
12	Microtome	1
13	Hot air Oven	1


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Department of Chemistry

Lab Name: Physical Lab

Sr. No	Name of Instruments/Equipment	Quantity
1	PH Meter	5
2	Potentiometer	5
3	Conductivity meter	2
4	UV Chamber	1
5	Agate Mortar Pestle	1
6	Flame photo meter	3
7	Colorimeter	2
8	UV Visible Spectrophotometer	1
9	Oil Bath	1
10	Lab Incubator	1
11	Polari meter	3
12	Muffle Furnace	2
13	Heating Mental	3
14	Compressor	2
15	GM Counting system	1
16	Nephelometer	1
17	Distillation Assembly	1


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Department of Chemistry

Lab Name: HPLC Lab

Sr. No	Name of Instruments/Equipment	Quantity
1	High Performance Liquid Chromatography	01
2	Gas Chromatography	02
3	Ultra-Visible Spectrophotometer- DRS	01
4	Galvanometer / Voltammeter	01



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Department of Zoology

Sr. No	Name of Instruments/Equipment	Quantity
1	Senior Precision Rotary Microtome	01
2	Monocular Research Microscope	01
3	Monocular Research Inclined Microscope Meltzer- 38 Microtome.	01
4	Meltzer Optic Monocular Research Microscope	03
5	Inclined Compound Microscope Lebo made	01
6	Research Inclined Microscope Model Sp-10	01
7	Microscopes	01
8	Binocular Important Research Microscope	01
9	Trinacular Microscope	01
10	Microtome	01
11	Zoom Stereo Microscope	01
12	V.D.O. Shooting Camera	01
13	Pocket PH Meter Model EQ- 612, Make Equiptronics	01
14	Crafts Rotary Microtome Model No- 820	01
15	Compound Microscope Lab made	01
16	Intel core i3 2 nd Gen. Processor 2B RAM 5GB Hardest, DVD 15.6 screen with Carry case. S.No.A515907433 B	01
17	Student Microscope	11
18	Dissecting Microscope	08
19	Refrigerator	01
20	Staining Bottles	19
21	Dissecting Trays	20
22	Incubator	02
23	Photo Shooting cameras	01


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Department of Physics

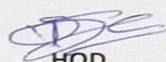
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Name of Department: Physics Msc -II 2017-18

Lab Number:

Sr.No	Name of Instruments/Equipment's	Quantity
1.	Temperature characteristics of thermister and its applications	1
2.	D to A convertor circuit(R-2R ladder)kit Voltage to frequency(V to F) convertor as basic concept of ADC kit	1
3.	Voltage to frequency(V to F) convertor as basic concept of ADC kit	1
4.	Op-amp as instrumentation amplifier	1
5.	Characteristics and applications of photoelectric devices, LED (Photodiode & photoelectric relay action)	1
6.	Sample & hold circuit kit Study of data acquisition system	1
7.	Study of thermocouple amplifier	1
8.	Application of ultrasonic pressure transducer	1
9.	LVDT displacement transducer	1
10.	Travelling microscope	1
11.	Thin film formation by electrochemical deposition technic	1
12.	Sodium vapor lamp 50x tube 35w with choke & wooden cabinet	1
13.	Traveling microscope	1



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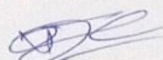
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Name of Department: Physics 2018-2019

Lab Number:


Sr.No	Name of Instruments/Equipment's	Quantity
1.	Study Of transistor amplifier	1
2.	UJT as relaxation Oscillator	1
3.	Study of Phase shift Oscillator using IC 741 04	1
4.	Op-amp IC 741 as non-inverting amplifier	1
5.	Op-amp IC 741 as inverting amplifier	1
6.	Study of Current law, complete kit with meters & connecting wires	1
7.	Study of Kirchhoff's voltage law, complete kit with meters & connecting wires	1
8.	Study Of L-R circuit	1
9.	Digital Multi meter	1
10.	Measurement of resistance by two probe method with variation in temperature	1
11.	Cathode ray oscilloscope (C.R.O.) make scientist 30mhz Repairing & maintenance supply fault repair	1
12.	Cathode ray oscilloscope (C.R.O.) make scientist 30mhz Repairing & maintenance fault in power supply in Horizontal Section	1



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Name of Department: Physics 2021

Lab Number:

Sr.No	Name of Instruments/Equipment's	Quantity
1.	Sigma-61148 Copper (I) acetate monohydrate 100 G	1
2.	Sigma-237078 Aluminum chloride hexahydrate reagentpl 100 G	1
3.	Sigma-208256 Tin (10) 2827399 0 chloride reagent grade 98% 100 G	1
4.	Sigma-27096 Chromium (I) Chloride Hexahydrate 100 G-F	1
5.	Sigma-208086 Zinc chloride reagent grade 98% 100 G	1
6.	HM-GRM1225-100G cadmium chloride 2827399 0 monohydrate	1
7.	HM-GRM467-500G caustic 2815119 0 pellets HI-ARACS HM-GRM1359-250G	1
8.	cobaltous acetate tetrahydrate Hi-AR ACS	1



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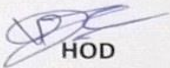
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Name of Department: Physics 2021

Lab Number:

Sr.No	Name of Instruments/Equipment's	Quantity
1.	Substrate for spin coater (20*15 mm)	1
2.	Substrate for spin coater (20*50 mm)	1
3.	Pipette 20 micro	1
4.	Pipette 100 micro	1
5.	Burette glass plate (1.1)	1
6.	Crucible quartz (25 ml)	1
7.	Mortal and pestals (good quality..) small size	1
8.	Mortal and pestals (good quality..) big size	1
9.	Petridish borosil	1
10.	Function generator aplab digital	1


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New Arts, Commerce & Science College, Shevgaon

Name of Department: Physics 2021

Lab Number:

Sr.No	Name of Instruments/Equipment's	Quantity
1.	Specific Heat of Solids: To determine the specific heat of copper, lead and glass at three different temperatures	1
2.	Thermionic emission: To determine work function of Tungsten filament	1
3.	Arduino Uno X2	1
4.	Mercury Lamp with Holder	1
5.	JFET Transistor kitkit with inbuilt power supply and in wooden box	1
6.	Schmitt trigger kitkit with inbuilt power supply and in wooden box	1
7.	CRO (1 Digital, 1 Analog)	1
8.	Study of Coupled oscillator complete set up with two stand Rigid support, two bobs, thread wires, stop clock	1
9.	g by bar pedulum complete sep up with Bar pendulum, Rigid support scale arrangement	1
10.	Required only microphone & polar disc of Directional characteristics of a microphone complete set up	1
11.	Sodium Lamp choke	1



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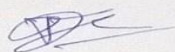
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J.M.V.P.S
New Arts, Commerce & Science College, Shevgaon

Name of Department: Physics 2021

Lab Number:

Sr.No	Name of Instruments/Equipment's	Quantity
1.	PUISH pull amplifier esing complete kit in wooden box with inbuilt J14 power supply	1
2.	Logarithmic decrement (in air and water) with lamp and scale arrangement	1
3.	Study of Frequency Division Multiplexing	1
4.	Zener as a regulator, line and load regulations with digital meters complete kit in wooden box with inbuilt power supply	1
5.	Active filter-low pass, high pass, banded pass & notch filter using OP AMP complete kit in wooden box with nbuilt power supply	1
6.	Vacuum pump for spin coating machine	1
7.	Kundts tube for determination of velocity of sound in air by kundts tube with stand, horn unit, ahuja amplifier, connecting wire, audio generater, lyco podium powder	1
8.	Absorption coefficient of sound by various media like wood, themacal, sponge, hitlon, glass, coir, complete set up with sound sources, amplifier, sound level digital meter (DB meter) complete in wooden box 1 meter	1
9.	Circuit theorem kit thevinins and norton combine kit with digital meters complete in wooden box	1
10.	Prism double refractive calcite or quartz,	1
11.	Power supply 30 volts 5 AMP with 2 digital meter for current and voltage with saperate adjustment for current and voltage textronics make	1
12.	Filter paper-whatamn 41/42	1
13.	Filter paper - ordinary filer paper rim	1



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