Government of Maharashtra

Government College of Arts & Science, Aurangabad (M.S)
(Established in 1923)
(Kile Ark, Near Subhedari Guest House, Aurangabad)

Email ID: gasca1923@gmail.com	Phone/Fax: 0240-2331476	Website: www.gasca.ac.in

4.1.1 Physical Infrastructure and Facilities

Building Details

SN	Name of the Building	Room No	Room Name	Floor	Length (in Feet)	Width (in feet)	Area (in Sq Ft)
1	Main Building	1	Classroom	Ground Floor	30	25	750
2	Main Building	2	Dept of Physics	Ground Floor	30	25	750
3	Main Building	3	Physics Lab 1	Ground Floor	30	25	750
4	Main Building	4	Physics Store Room	Ground Floor	25	10	250
5	Main Building	5	Central Instrumental Lab	Ground Floor	25	20	500
6	Main Building	6	Physics Lab 2	Ground Floor	25	60	1500
7	Main Building	7	Computer Lab	Ground Floor	25	20	500
8	Main Building	8	Dept. of Sanskrit	Ground Floor	14	8	112
9	Main Building	9	Seminar cum Classroom	Ground Floor	51	25	1275
10	Main Building	10	Ladies Room	Ground Floor	25	20	500
11	Main Building	11	Principal Cabin	Ground Floor	25	20	500
12	Main Building	12	Office	Ground Floor	40	25	1000
13	Main Building	13	Office	Ground Floor	30	25	750
14	Main Building	14	Store room (Office)	Ground Floor	20	10	200

15	Main Building	15	Record Room (Office)	Ground Floor	20	10	200
16	Main Building	16	Seminar Hall	Ground Floor	51	25	1275
17	Main Building	17	Classroom	Ground Floor	41	27	567
18	Main Building	18	IQAC Office	Ground Floor	27	25	675
19	Main Building	19	Preparation Room Microbiology	Ground Floor	27	25	675
20	Main Building	20	Microbiology Lab 1	Ground Floor	31	27	837
21	Main Building	21	Microbiology Lab 2	Ground Floor	20	27	540
22	Main Building	22	Microbiology Lab store and HOD Cabin	Ground Floor	20	27	540
23	Main Building	23	Classroom	Ground Floor	20	25	500
24	Main Building	24	Classroom	Ground Floor	20	25	500
25	Main Building	25	Dept. of Physical Education & sports	Ground Floor	25	10	250
26	Main Building	26	Classroom	Ground Floor	52	31	1612
27	Main Building	27	Internal Complain Cell	Ground Floor	25	10	250
28	Main Building	28	Museum Dept. of Zoology	Ground Floor	25	20	250
29	Main Building	29	Classroom	Ground Floor	35	26	910
30	Main Building	30	Zoology Lab 2	Ground Floor	26	26	676
31	Main Building	31	Zoology HOD cabin	Ground Floor	25	10	250
32	Main Building	32	Staff room Dept. of Zoology	Ground Floor	52	26	1352
33	Main Building	33	Zoology Lab 1	Ground Floor	40	25	1000
34	Main Building	34	Zoology Store room	Ground Floor	20	25	500
35	Main Building	35	Zoology Store room	Ground Floor	20	25	500
36	Main Building	36	Store Dept. of Chemistry	First Floor	25	20	500
37	Main Building	37	HOD cabin Dept. of	First Floor	20	12	240

			Chemistry				
38	Main Building	38	Junior Lab Dept. of Chemistry	First Floor	63	25	1575
39	Main Building	39	Classroom with Kyan	First Floor	31	25	775
40	Main Building	40	Chemistry Lab	First Floor	63	25	1575
41	Main Building	41	Staffroom Dept. Of Chemistry	First Floor	20	12	240
42	Main Building	42	Polymer Chemistry Lab	First Floor	30	25	750
43	Main Building	43	Acid Rood	First Floor	14	8	112
44	Main Building	44	Classroom	First Floor	51	24	1224
45	Main Building	45	Classroom cum Lab	First Floor	25	20	500
46	Main Building	46	Physical Chemistry Lab	First Floor	25	20	500
47	Main Building	47	Dept of Geography	First Floor	25	20	500
48	Main Building	48 A	Dept of Sociology	First Floor	20	11	220
49	Main Building	48 B	Dept. of Pol Sci.	First Floor	20	11	220
50	Main Building	48 C	Dept. of Economics	First Floor	20	11	220
51	Main Building	48 D	Dept of History	First Floor	20	11	220
52	Main Building	48 E	Dept. of Hindi	First Floor	20	11	220
53	Main Building	48 F	Dept. of Marathi	First Floor	20	11	220
54	Main Building	49	Language Lab and Dept. of English	First Floor	57	27	1539
55	Main Building	50	Dept. of Electronic	First Floor	42	27	1134
56	Main Building	51	Classroom	First Floor	27	20	540
57	Main Building	52	Classroom	First Floor	27	20	540
58	Main Building	53	Psychology Lab cum Classroom (With smart board)	First Floor	31	27	837
59	Main Building	54	Psychology Lab cum	First Floor	27	20	540

			Classroom with Kyan				
60	Main Building	55	Dept of Psychology	First Floor	27	20	540
61	Main Building	56	Dept. of Pub. Adm. and Classroom	First Floor	20	25	500
62	Main Building	57	Dept. of Math and Classroom	First Floor	25	20	500
63	Main Building	58	NCC Boys Office	First Floor	25	10	250
64	Main Building	59	Classroom	First Floor	51	30	1530
65	Main Building	60	NCC Girls Office	First Floor	25	10	250
66	Main Building	61	Classroom	First Floor	34	27	918
67	Main Building	62	Classroom	First Floor	30	26	780
68	Main Building	63	Botany –Museum/ Classroom	First Floor	35	26	910
69	Main Building	64	Botany senior Lab	First Floor	52	26	1352
70	Main Building	65	Botany Junior Lab	First Floor	52	26	1352
71	Main Building	66	Dept of Botany and Staff Room	First Floor	30	26	780
72	Main Building	67	Music Classroom	Second Floor	27	25	675
73	Main Building	68	Classroom	Second Floor	27	20	540
74	Main Building	69	Classroom cum Textile lab	Second Floor	27	20	540
75	Main Building	70	Classroom cum FRM lab	Second Floor	27	20	540
76	Main Building	71	Home Science Lab cum Classroom	Second Floor	27	30	810
77	Main Building	72	Extension Lab Dept. of Home Sci.	Second Floor	27	30	810
78	Main Building	73	Dept. of Home Sci. and Staff room	Second Floor	27	20	540
79	Main Building	74	Music Classroom	Second Floor	27	20	540
80	Main Building	75	Music Classroom and Department	Second Floor	27	30	810
81	Main Building	76	Classroom	Second Floor	27	30	810

82	Main Building	77	Classroom	Second Floor	27	30	810
83	Main Building	78	Classroom	Second Floor	27	30	810
84	Main Building	-	**Auditorium/ Harmony Hall**	-	70	50	3500
85	**Library Building**	-	**Library**	-	-		14322.77
86	**Boys Hostel Building**		**Matoshri Boys Hostel**	-	-		13119.69
87	**Girls Hostel Building**		**Matoshri Girls hostel**	-	-		27964

Govt. College of Arts & Science Aurangabad.

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4.1.1Physical Infrastructure and Facilities

Auditorium /Seminar Hall

Sr No	Name of Buildings/Hall	Seating Capacity	Available Facility	Total Area (in Sq.M.
1	Vandematar (Auditorium)	1100	LED Screen/ Advance sound System	8000
2	Harmony Hall (Auditorium)	300	Kyan	328
3	Seminar Hall	100	Projector	118.45
4	Seminar Hall E= mc^2	100	Projector	118.45

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Chart of Classrooms

Sr. No	Hall No	Details	Available Facility	Length (in ft)	Width (in feet)	Area (in Sq Ft)
1	1	Classroom	smart board	30	25	750
2	09	Seminar hall cum Classroom	Projector	51	25	1275
3	17	Classroom		41	27	1160
4	23	Classroom		20	25	500
5	24	Classroom		20	25	500
6	26	Classroom		52	30	1560
7	29	Classroom	Kyan	35	26	910
8	39	Classroom	Kyan	31	25	775
9	44	Classroom		51	25	1275
10	45	Classroom cum Lab	Smart Board	25	20	500
11	51	Classroom		27	20	540
12	52	Classroom		27	20	540
13	53	Psychology Lab cum Classroom	Smart board	31	27	837
14	54	Psychology Lab cum Classroom	Kyan	27	20	540
15	55	Classroom		27	20	540

16	56	Classroom		10	25	250
17	57	Classroom		10	25	250
18	59	Classroom		52	30	1560
19	61	Classroom		34	25	850
20	67	Music Classroom		20	27	540
21	68	Classroom		20	27	540
22	69	Classroom cum Textile lab		20	27	540
23	70	Classroom cum FRM lab		20	27	540
24	71	Home Science lab cum Classroom	Kyan	30	27	830
25	74	Music Classroom		27	20	540
26	75	Music Classroom and Department		27	30	830
27	76	Classroom		27	30	830
28	77	Classroom		27	30	830
29	78	Classroom		27	30	830

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Laboratories Details

Department of Microbiology

Sr No	Laboratory	Room No	Room Name	Length (in Feet)	Width (in feet)	Area (in Sq Ft)
1	Laboratory- 1	20	Lab 1	31	27	837
2	Laboratory-2	21	Lab 2	27	20	540
3	Laboratory-3	19	Staff room & Instrumentation room	27	20	540
4	Laboratory -4	22	HOD Cabin &Store room	27	20	540

Department of Physics and Computer Science

Sr No	**Laboratory**	**Room No**	**Room Name**	**Length (in Fit)**	**Width (in feet)**	**Area (in Sq Ft)**
1	Laboratory-1 (Physics)		Senior Lab 1	30	20	600
2	Laboratory-2 (Physics)		Junior Lab 1	30	60	1800
3	Dark Room		Dark Room	30	20	600
4	Laboratory-1 (Computer)		Senior Lab 1	30	20	600

Govt. College of Arts & Science Aurangabad.

5	Laboratory- 2 (Computer)		Junior Lab 2	30	20	600
6	Central Instrumentation		Central Instrumentation 1	30	10	300
7	Store Room		Store Room 1	30	10	300

Department of Chemistry

Sr No	Laboratory	Room No	Room Name	Length (in Fit)	Width (in feet)	Area (in Sq Ft)
1	Laboratory- 1	38	Jr Lab	63	25	1575
2	Laboratory-1 attached Preparation room	-	Jr Lab Preparation room	20	12	240
3	Laboratory-2	40	Senior Lab	63	25	1575
4	Laboratory-2 attached Preparation room	-	Preparation room	20	12	240
5	Laboratory-3	42	Polymer Chemistry lab	30	25	750
6	Laboratory-4	45	Research Lab	25	20	500
7	Laboratory-5	46	Physical Lab	25	20	500
8	Store room	36	Store	25	20	500
9	Polymer Lecture Hall	39	Balance room	31	25	775
10	Acid room	43	Acid Room	14	8	112
11	Store room between Jr Lab and Room no 39		Store	25	12	300

Department of Botany

Sr No	Laboratory	Room No	Length (in Fit)	Width (in feet)	Area (In Sq Ft)
1	Laboratory-1 (Junior Lab)	64	52	26	1352
2	Laboratory-2 (Senior Lab)	65	52	26	1352

Department of Psychology

Sr No	Laboratory	Room No	Room Name	Length (in Fit)	Width (in feet)	Area (in Sq Ft)
1	Laboratory- 1	53	Psychology Lab 1			
2	Laboratory-2	54	Psychology Lab 2			

Department of zoology

Sr No	Laboratory	Room No	Room Name	Length (in Fit)	Width (in feet)	Area (in Sq Ft)
1	Laboratory- 1	33	Laboratory- 1	26	52	1352
2	Laboratory-2	30	Laboratory-2	26	26	676

Department of Home science

Sr. No.	Laboratory	Room No	Room Name	Length (in Feet)	Width (in feet)	Area (in Sq Ft)
1	Laboratory- 1	69	Textile Lab	20'	25'	500
2	Laboratory-2	70	FRM Lab	20'	25'	500
3	Laboratory-3	71	Nutrition Lab	30'	25'	750

Digital Language

Sr No	Laboratory	Room No	Room Name	Length (in Ft)	Width (in feet)	Area (in Sq Ft)
1	Laboratory- 1	49	Digital Language Lab	57	27	1539

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SCIENTIFIC FACILITIES IN VARIOUS LABORATORIES IN COLLEGE CAMPUS (INSTRUMENTS /MACHINERY)

Department of Microbiology

Sr. No	Name of Instruments /machinery	Quantity	Date of purchase	Cost /Price	Page no of stock register	Room no	Photo link if cost more than 50000
1	K yan	1	21/3/2018	117900	026	21	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
2	Maxi submarine gel electrophoresis unit	1	22/3/2018	35,100	025	19	
3	Apple electronic high weighing balance(60gms)	1	22/3/2018	48,874	027	20	
4	PH meter (Eutech)	1	26/3/2018	44,451	029	20	
5	Single stage glass distillation vertical unit(15 lit)	1	23/3/2018	49,664	030	22	
6	Auto photo Colorimeter	1	23/3/2018	17,499	031	21	
7	Incubator shaking 565*865*550 Vam model no M 135	1	22/3/2108	1,44,333-09	032	20	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
8	UV Trans illuminator	1	21/3/2018	67,950	033	19	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_

							Mxmed0KW2Q0/view?usp=share_link
9	Single beam spectrophotometer genelix brand	1	28/3/2018	1,71,000	034	22	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
10	Cooling centrifuge (Bioera NP 14000 RPM)	1					
11	Bacteriogical Incubator model MAC TUT -45	1	31/12/2018	49,800	036	20	
12	Hot Air Oven AL 104	1	3/2/2019	48,000	037	20	
13	Vertical Autoclave SLV Series Boromake and model SLV 100	1	21/1/2019	95,000	038	20	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
14	Molecular Microscope-SM 100 with LED Illuminator under DPDC with battery backup	11	11/4/2019	130,900	039	21	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
15	Magnus Microscope Olympus with USB Camera	1	11/4/2019	1,13,400	040	22	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
16	Tarsal Gel electrophoresis with power supply	1	20/6/2019	75,000	041	22	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
17	Variable Pipette volume Bioera	3	26/11/2109	11,564	043	20	
18	Incubator shaker(heating only)	1	1/2/2020	45,000	044	20	
19	Laminar air flow	1	2/2/2020	1,06,880	045	19	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
20	Ph meter	1	2/2/2020	7,200	046	22	

21	Microscope pathological & research with Camera	1	27/2/2021	49,900	049	22	
22	Autoclave	1	22/2/2021	52,400	050	21	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
23	Autoclave	1	17/2/2022	49,117	050	21	
24	Remi Refrigerate centrifuge with LCD Display	1	9/3/2021	2,48,500	051	20	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
25	Rotary Evaporator Capacity 2 lit	1	18/2/2022	1,40,000	052	21	https://drivegooglecom/file/d/1B_ZtgpZ7ghja9XcEmb4x_Mxmed0KW2Q0/view?usp=share_link
26	Distillation unit	1	19/2/2022	32,400	053	22	

Department of Chemistry

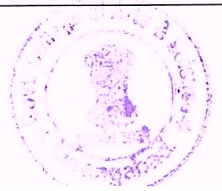
Sr No	Name of Instruments /machinery	Quantity	Date of purchase	Cost /Price	Page no of stock register	Room no	Photo link if cost more than 50000
01	Alpha II-Platinium FTIR Spectrophotometer	01	03-03-22	17,40,000	N/G-035	37	FTIRjpg FTIR-2jpg
02	Precision Balance–1 mg	01	13-09- 21	19800	N/G-013	39	
03	pH meter	01	13-09-21	17,799	N/G-003	40	
04	Labmann electronically controlled magnetic stirrer	02	09-03-2021	54998(quantity–02)	N/G-034	40	Labman Hotplate with stirrerjpg
05	Microwave synthesizer	01	27-02-21	143000/-	G/old - 231	40	Microwave systemsjpg
06	Wet and duty cleaning Industrial Vaccum Cleaner	01	16-02-21	18000/-	N/G-031	40	
07	Hydrothermal Autoclave	01	08-02-21	19,527/-	N/G-033	40	
08	Computer HP Intel core i3	01	02-11-20	53,690/-		41	Computerjpg
08	Integrated digital teaching device with vocational skills multimedia content	01	16-03-2019	110000/-		45	Smart boardjpg

09	Rotary Vacuum pump	01	05-01-2019	4994900	N/G-029	40	Vacuum pumpjpg
10	Laboratory Chiller	01	09-01-2019	48000/-	N/G - 028	40	Chillerjpg
11	Celfrost Pharmaceutical Refrigerator	01	22-03-18	46800/-	N/G - 026	38	Celfrostjpg
12	Fume Hood mild body (Biogen)	01	11-04-18	165960/-	N/G-022	40	Fume hood_Biogen Scientificjpg
13	Rotary evaporator	01	11-04-18	48000/-	N/G-027	40	Rotavaporjpg
14	Integrated teaching Device K-YAN	01	17-03-18	111900/-	N/G-023	39	K-yanjpg
15	Fume Hood Brand-Rescholar	01	11-04-18	72865/-	N/G-022	42	Fume hood - Rescholarjpg
16	Single stage Glass distillation unit	01	11-04-18	49664/-	N/G-025	40	Distillation unitjpg
17	Digital conductivity meter	01	09-01-2020	22499/-	N/O-7	46	
18	Digital Photoelectric colorimeter	01	04-01-2020	9999/-	N/O-1	46	
19	Hot plate magnetic stirrer	01	07-01-20	24580/-	N/O-7	40	
20	pH meter	01	25-01-	18490/-	N/O-3	40	

			2020				
21	Remi Centrifuge machine	01	22-01-2014	23500/-	G-235	38	
22	Digital Balance	02	01-02-2014	25000/-	G-236	39	
23	Magnetic stirrer W/O hotplate	03	01-02-2014	12900/-	N/G-007	40,46	
24	Magnetic stirrer with hotplate	04	01-02-2014	20800/-	N/G-008	42	
25	Abbeys refractometer	03	01-02-2014	33000/-	N/G-008		
26	Digital melting point Apparatus	01	01-02-2014	25000/-	N/G-004		
27	UV Cabinet	01	02-12-2011	26000/-	N/G-014		

Department of Physics

Sr No	Name of Instruments /machinery	Quantity	Date of purchase	Cost /Price	Page no of stock register	Room no	Photo link if cost more than 50000
1	Integrated Digital Teaching Device Board KYAN	1	21/03/2018	117900/-	D-72	2	
2	Digital Teaching Device	1	16/03/2019	110000/-	54	1	
3	Determine the wavelength by Newton's Ring Method (Complete Setup)	1	14/01/2020	22800/-	D-272	2	
4	Digital Magnetic Stirrer with Hotplate	1	25/12/2019	24580/-	D-313	2	
5	Transistor Characteristics CB	1	26/12/2019	4255/-	D-308	2	
	OP-AMP	1	23/12/2019	4256/-	D-234	2	
6	Common Emitter Amplifier	1	17/01/2020	4256/-	D-236	2	
7	Heartly Oscillator	1	30/01/2020	4869/-	D-247	2	
8	Wein Bridge Oscillator	2	06/02/2021	7600/-	D-1	2	
9	Energy Band Gap	4	05/02/2021	19400/-	D-1	2	
10	Hystresis Curve Demonstrator	3	20/02/2021	15285/-	D-1	2	



11	Specific Resistance and Energy Gap of Semiconductor	3	20/02/2021	16200/-	D-1	2	
12	FET characteristics	5	20/02/2021	21000/-	D-1	2	
13	Ultrasonic Interferometer	1	19/02/2022	30000/-	D-127	2	
14	Hot Air Oven	1	02/03/2022	29929/-	D-128	2	
15	Microprocessor Controlled Magnetic Stirrer	1	26/02/2022	24499/-	D-313	2	

Department of Botany

Sr. No.	Name of Instruments /machinery	Quantity	Date of purchase	Cost /Price	Page no of stock register	Room no	Photo link if cost more than 50000
01.	Single stage all class distillation unit vertical type capacity 1.5 liter	01	11/04/2018	49,664/-	R-I Page No.- 139	Lab-2	
02.	Integrated Digital Teaching Device Brand K-Yan	01	11/04/2018	1,17,900/-	R-I Page No.- 138	Lab-2	https://drive.google.com/file/d/1XpoMmgW7jXN5VSWz5Wab9Z3BIRh33zjR/view?usp=share_link
03.	Magnetic Stirrer with Hot Plate	01	11/04/2018	24,500/-	R-I Page No.- 141	Lab-2	
04.	Electrophoresis mini dual	01	11/03/2019	48,400/-	R-I Page No.- 142	Lab-2	
05.	Transilluminar system with DNA	01	26/03/2019	49,800/-	R-I	Lab-2	

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	Electrophoresis				Page No.- 143		
06.	Plant Growth Chamber	01	25/03/2019	1,09,890/-	R-I Page No.- 144	Lab-2	https://drive.google.com/file/d/1TA9iwRgSu_hb00jdre520opQoAk6Whz8/view?usp=share_link
07.	Tarson Gel Electrophoresis with Power Supply	01	25/03/2019	75,000/-	R-I Page No.- 145	Lab-2	https://drive.google.com/file/d/1rTEipxUVJfLPoK-q8zXV9oor1iQik5TG/view?usp=share_link
08.	Integrated Digital Teaching Device With location Skills multimedia	01	05/07/2019	1,10,000/-	R-I Page No.- 146	Lab-2	https://drive.google.com/file/d/12ArRItyuAX6ZZPw69bQQjsMPZKF218-7/view?usp=share_link
09.	Olympus Trinocular research Microscope Model CX23 with Magnus Digital Camera	01	31/05/2019	1,78,000/-	R-I Page No.- 147	Central Instrumentation Lab	https://drive.google.com/file/d/1_kl4HgNl-aUuXI12GsGNyfio-zN6pki7/view?usp=share_link
10.	Fire Extinguisher Type 4 Kg FE	02	16/12/2020	4,700/-	R-I Page No.- 149	Lab-1 & Lab-2	
11.	Microscope, Pathological and Research, Classic with Camera	01	21/03/2021	49,900/-	R-I Page No.- 154	Lab-2	
12.	Remi Refrigerated Centrifuge with LCD Display	01	21/03/2021	51,000/-	R-I Page No.- 155	Lab-2	https://drive.google.com/file/d/19l7LAMXUPTiJkUp52loY3_RAakqeuSoG/view?usp=share_link

13.	Binocular research Microscope	01	21/03/2021	22,950/-	R-I Page No.- 156	Central Instrumentation Lab	

Central Instrumentation Laboratory

Sr. No.	Name of Article	Date of order	Quantity	Amount
1	RDBL-96E PCR	16/02/2022	01	187000
2	Himedia CD Display Interface PCR	16/02/2022	01	290000.71
3	Gel Documentation system	16/02/2022	01	495106
4	32X0.2 ml well PCR Thermal cycles Himedia TFT Display Interface PCR machine	28/02/2022	01	148000.01
5	Gel Documentation system PE 19BAA000046	23/02/2022	01	250000
6	HP Intel core i3 91004	12/10/2020	01	53690

Department of Zoology

Sr No.	Name of Instruments /machinery	Quantity	Date of purchase	Cost /Price	Page no of stock register	Room no	Photo link if cost more than 50000
1	pH meter	2	27/01/2011	16264	197	30	
2	Spectrophotometer	1	30/10/2012	183709	201	30	
3	Olympus Microscope	1	06/03/2018	134000	24/II	02	
4	Hemoglobinometer	1	06/03/2018	13999	212/II	02	

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ICT Infrastructure

Sr. No.	Name of Department	No. of Computers	ICT Enable Teaching Learning Devices	Internet facility	Wi-Fi
1	Office	13	-	Yes	Yes
2	Library	10	-	Yes	Yes
3	Seminar Hall	1	Projector	Yes	
4	Seminar Hall cum class room (hall -9)	1	Projector-1 Kyan-1	Yes	Yes
5	English	5	-	Yes	Yes
6	Marathi	1	-	Yes	Yes
7	Hindi	1	-	Yes	Yes
8	Sanskrit	1	-	Yes	Yes
9	Political Science	1	-	Yes	Yes
10	Economics	1	-	Yes	Yes
12	Sociology	1	-	Yes	Yes
13	Public Administration	1	-	Yes	Yes
14	Psychology	1	Kyan-1 Smart Board 1	Yes	Yes
15	History	1	-	Yes	Yes
16	Geography	2	-	Yes	Yes

17	Mathematics	1+1(laptop)	-	Yes	Yes
18	Statistics	1+2(laptop)	-	Yes	Yes
19	Chemistry	3	Projector-1 Kyan-1 Smart Board 1	Yes	Yes
20	Physics	2	Projector-1 Kyan-1 Smart Board 1	Yes	Yes
21	Botany	1	Projector-2 Kyan-1 Smart Board 1	Yes	Yes
22	Microbiology	1	Projector-1 Kyan-1 Smart Board 1	Yes	Yes
23	Computer science	16		Yes	Yes
24	Zoology	1	Kyan-1	Yes	Yes
25	Home Science	1	Projector-1 Kyan-1 Smart Board 1	Yes	Yes
26	Music	1	-	Yes	Yes
27	Central Instrumentation Lab	1	-	Yes	Yes
28	Digital Language lab	31	-	Yes	Yes
29	IQAC	3+1 (laptop)	Kyan-1	Yes	Yes
30	University Exam	2	-	Yes	Yes
31	Sport Department	1	-	Yes	
Total		**110+4=114**			

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Sport and Gymnasium Facilities

Sr. No.	**Facility**	**No.**	**Size(m*m)**
1	Multi Station Gym (Indoor)	01	9*9 m
2	Trade mill (Indoor)	1	1.90*0.75m
3	Badminton Court (Indoor)	1	13.40*6.10m
4	Kabaddi Ground	2	13*10m
5	Volleyball	1	18*9
6	Football	1	70*50m
7	Carrom Board (Indoor)	02	
8	Chess Board (Indoor)	6	
9	Table Tennis (Indoor)	1	2.74*1.52m
10	Cricket ground	1	80*60m

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Sports and Gym Equipment

Sr. No.	Name of Instruments /machinery	Quantity	Date of purchase	Cost /Price	Page no of stock register	Room no	Photo link if cost more than 50000
1	Cricket - Bat, kipper gloves, batsman leg guards, cricket ball box.	each 1	29/09/2017	1380/-	256	25	-
2	Cricket ball	06	04/10/2017	1380/-	256	25	-
3	Football	01	04/10/2017	750/-	257	25	-
4	Weight machine	02	11/04/2018	3712/-	258	25	-
5	Portable hemoglobin meter	01	11/04/2018	12999/-	258	25	
6	Double tube stethoscope	01	11/04/2018	12000/-	258	25	-

7	Five station multi gym	01	03/10/2019	120000/-	259	Gym hall	https://drive.google.com/drive/folders/1BRq0kJk_spL4DqIw_tzyWGniIqH_SJl6?usp=share_link
8	Weight scale phonetic NEP-200PW	01	28/09/2019	15000/-	259	Gym hall	-
9	ST Double SG07 chest pressure	01	02/09/2019	30000/-	259	Gym hall	-
10	Dumbbells weight 25kgs	04	04/10.2019	23200/-	259	Gym hall	-
11	Nivia leather jump rope/ Skipping with weight	02	10/11/2019	12521/-	260	Gym hall	-
12	Single twister	01	29/09/2019	5000/-	260	Gym hall	-
13	Double Bar + Single Bar	01	28/09/2019	15000/-	260	Gym hall	-
14	Multi longe	01	28/09/2019	9000/-	260	Gym hall	-
15	05 kg Dumbbells	01	18/09/2019	1400/-	260	Gym hall	-
16	Commercial treadmill omega 5	01	03/12/2019	150000/-	260	Gym hall	https://drive.google.com/drive/folders/1BRq0kJk_spL4DqIw_tzyWGniIqH_SJl6?usp=share_link

17	Badminton racket	07	04/12/2019	5278/-	260	25	-
18	Olympic rod 3 feet	03	16/11/2019	7665/-	261	Gym hall	-
19	Olympic rod 4 feet	03	16/11/2019	1050	261	Gym hall	-
20	Olympic rod 5 feet	03	16/11/2019	12345/-	261	Gym hall	-
21	Olympic rod 6 feet	03	16/11/2019	14550/-	261	Gym hall	-
22	Olympic rod 7 feet	03	16/11/2019	17100/-	261	Gym hall	-
23	Olympic rod z/1 4 feet	02	16/11/2019	5100/-	261	Gym hall	-
24	Plate 2.5 kg	02	16/11/2019	6800/-	262	Gym hall	-
25	Plate 5 kg	08	16/11/2019	13880/-	262	Gym hall	-
26	Plate 7.5 kg	08	16/11/2019	20840/-	262	Gym hall	-
27	Plate 10 kg	08	16/11/2019	28000/-	262	Gym hall	-
28	Plate 15 kg	08	16/11/2019	42320/-	262	Gym hall	-
29	Flat bench	01	16/11/2019	16500/-	262	Gym hall	-
30	Incline decline combo bench	01	16/11/2019	21100/-	262	Gym hall	-
31	double bar	01	16/11/2019	5850/-	262	Gym hall	-
32	Badminton shuttlecock	12	05/12/2019	2160/-	263	25	-
33	Rubber dumbbells 15 kg	01	05/12/2019	2149/-	263	Gym hall	-

34	Dumbbells	03	05/12/2019	3561/-	263	Gym hall	-
35	Stadiometer	01	21/02/2022	3000/-	264	gym hall	-
	ABS heart rate monitor	01	11/03/2022	10000/-	265	25	-
36	B.P Apparatus	04	15/02/2022	4788/-	266	25	-

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Musical Instruments

Sr. No.	Name of Instruments /machinery	Quantity	Date of purchase	Cost /Price	Page no of stock register	Room no	Photo link if cost more than 50000
1.	DPPA active speaker	01	22/12/2018	24989.98/-	D III 90	75	
2.	AXM U Mike	02	22/12/2018	10998.00/-	D III 90	75	
3.	PA Microphone	02	22/12/2018	7726.40/-	D III 90	75	
4.	Bhopala Tanpura	02	24/01/2020	44000/-	12-13 34	75	

5.	Tabla kali -05	01	24/01/2020	19000/-	12-13 74	75	
6.	Tabla kali -01	01	24/01/2020	21000/-	12-13 74	75	
7.	Harmonium Scale Changer	01	24/01/2020	44000/-	12-13 69	75	
8.	Hemraj Bhopala Tanpura	02	15/02/2022	91000/-	R III 83	75	
9.	Tabla Kali - 02	01	15/02/2022	15800/-	R III 74	75	
10.	Swar Sangeet Digital Tanpura	03	15/02/2022	17000.00/-	R III 92	75	
11.	Taal Sangeet	02	15/02/2022	15000.00/-	R III 91	75	
12.	Scale Changer Harmonium	01	15/02/2022	54000.00/-	R III 69	75	

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4.2 LIBRARY RESOURCES

Sr.No.	Reading Material	Total No.
01	Text Books	47884
02	Reference Books	2965
03	Book Bank	4232
04	Donated Books	2012
05	Bound volume of Periodicals	1097
06	E-Books	97000+
07	F-Journals	6000+
08	CD	50

S.P.Ridalkar
Librarian
Librarian
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4.1.1 Physical Infrastructure

Hostel Facility

Sr no.	Hostal	Sudent Capacity	Fasilitites
1	**Boys Hostal**	**105**	● Triple occupancy rooms with beds ● Furniture - tables, chairs, cupboard,fan etc. ● Water purifiar ● Gym ● Wardan quarter ● Daining area ● Toilets and bathrooms ● Commen hall ● Guest room.
2	**Girls Hostal**	**60**	● Triple occupancy rooms with beds ● Furniture - tables, chairs, cupboard,fan etc. ● Water purifiar ● Wardan quarter ● Daining area ● Toilets and bathrooms ● Commen hall ● Guest room. ● Vendig machin

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MASTER PLAN

SCALE: 1:500

NOTE:-
- AREA OF MASTER PLAN PROPOSED SHOWN IN
- PROPOSED BUILDINGS SHOWN IN PINK.
- EXISTING STRUCTURES SHOWN IN BLUE.
- ENCROACHMENT AREA SHOWN IN YELLOW.

PLOT AREA STATEMENT

NAME OF BUILDING	PLOT AREA CALCULATIONS	TOTAL AREA OF PLOT (APPROX)			C.S. NO. OF PLOTS AND AREA IN SQ.M.	
		SQ.MTS	HECTARES	ACRES	C.S. NO	AREA
PROPOSED Z.P. ADMINISTRATIVE BUILDING	i) 1/2×8×70 = 280.0 ii) 70 × 151 = 10570.0 iii) 1/2 ×68× 70 = 2380.0	13,148	1.31	3.24	NO 2339 PART I NO. 2337/4	7840.00 5308.75 = 13148.75
PROPOSED MUSEUM FOR ARCHAEOLOGY DEPTT.	123 × 145	17,916	1.18	4.43	NO 3721 PART I ENCROACHMENT AREA	14760.0 3156.25 = 17916.25
PROPOSED PLAY GROUND FOR GOVT. ARTS AND SCIENCE COLLEGE	132 ×150	19,800	1.91	4.89	NO 3721 PART II NO 6656 PART I ENCROACHMENT AREA	14037.5 3000.0 = 19800.0 2762.5
PROPOSED VANDE MATRAM HALL	i) 103× 105 = 10815.0 ii) 1/2 ×37×103 = 1905.5	12,720.5	1.21	3.14	NO 6656 PART II	12720.5 = 12720.5
PROPOSED HOSTEL FOR GIRLS AND AREA FOR QUARTERS, ARCHAEOLOGY DEPTT	i) 70 × 52 = 364.0 ii) 20×36 = 720	4360.0	0.40	1.07	NO 6656 PART III NO 6656 PART IV	3436.0 924.0 = 4360.0
EXISTING PRINCIPALS QRTR AND AREA FOR QUARTERS ARCHAEOLOGY DEPTT	i) 90 ×30 = 2700 ii) 1/2 ×30×90 = 1350	4050.0	0.40	1.00	NO 6656 PART V NO 6656 PART VI	2400.0 = 4050.0 1650.0
TOTAL		71995.5	7.04	17.77		

Government College of Arts and Science, Aurangabad

COMPUTER LABORATORY

SOP: Procedures for maintaining and utilising computer laboratory.

Computer Lab of our college came into existence in 2020 under the sponsorship of RUSA. It contains 16 computers (i3 processor, Windows 10 OS), 20 Chairs and battery backup for each computer.

Operating Hours / Timing: 10:00 am to 5:00 pm except Holidays

Opening of Labs

- Cleaning and preparing the lab for the day.
- Switching on power supply.
- Log book is maintained for students and staff members.
- Log book maintenance and Supervision in the computer lab by Lab attendant.

Admission into the Computer Lab.

1. Currently enrolled students (BA, BSc, MA) have access to the computer lab for educational use only and strictly under supervision of their respective teacher.
2. Computer Science students who have class related tasks / assignments will be given first priority to use the computers in the lab.
3. Lab. is also available for **compulsory computer course** for First year BA and BSc students.
4. Staff members can use the lab within operating hours.

This lab is also available for:

- Conducting practical examinations of Computer Science
- Lab assignments
- Practical sessions of Workshops/ Conferences/ FDPs organized by various Committees and Departments of the college.

General Rules and regulations in the Computer laboratory:

1. Maintain Discipline in the lab.
2. Handle the instruments carefully.

3. Users shall not engage in conversation so as to avoid disturbance to other users.
4. Users should not write upon or damage the instruments and computer tables.
5. The users find disobeying the rules will be suspended from the computer lab. Facilities and further disciplinary action will be initiated against them by the college authorities.

Head of the Department

Dept. of Computer Science

Government College Of Arts and Science Aurangabad

Central Instrumentation Lab

SOP Of RBDL-96 E PCR Machine.

Introduction

The RBDL-96 E PCR Machine is a sophisticated instrument used for conducting polymerase chain reactions (PCR) in molecular biology research. This report aims to provide a comprehensive Standard Operating Procedure (SOP) for the RBDL-96 E PCR Machine.

Purpose

This SOP aims to ensure that the RBDL-96 E PCR Machine is operated safely, accurately, and efficiently, and to minimize the risk of contamination and errors in the PCR process.

Safety Precautions

Wear appropriate Personal Protective Equipment (PPE) like gloves, laboratory coat, safety goggles, and closed-toe shoes while operating the RBDL-96 E PCR Machine.

Always handle the machine with care and do not move it when it is in use.

Ensure that the power supply is turned off before plugging or unplugging the machine.

Do not touch the heating block or any other parts of the machine during or immediately after use, as they can be extremely hot and cause burns.

Avoid using metal or conductive materials inside the instrument to prevent short circuits.

Procedure

Preparing the PCR reaction mixtures: The reagents required for the PCR reaction should be prepared according to the manufacturer's instructions and kept on ice until use.

Setting up the PCR reaction: Follow the manufacturer's instructions to set up the PCR reaction in the appropriate tubes or plates. Place the tubes or plates in the appropriate wells of the heating block.

Setting the thermal cycling conditions: Select the appropriate thermal cycling conditions for the PCR reaction using the control panel of the machine.

Starting the PCR reaction: Once the thermal cycling conditions have been set, start the PCR reaction using the control panel.

Monitoring the PCR reaction: Monitor the PCR reaction periodically to ensure that it is proceeding correctly. Any errors or issues should be noted and addressed immediately.

Analyzing the PCR products: Once the PCR reaction is complete, analyze the PCR products using appropriate methods such as gel electrophoresis, sequencing, or microarray analysis.

Maintenance

Regularly clean the heating block and other parts of the machine to prevent contamination.

Check the instrument's calibration and accuracy regularly and have it serviced by a qualified technician if necessary.

Store the machine in a clean and dry environment, away from direct sunlight and heat sources.

SOP of HIMEDIA CD Display Interface PCR Machine(Semi Qualitative) Along with Online UPS.

Introduction:

The HIMEDIA CD Display Interface PCR Machine is a semi-quantitative instrument that amplifies and detects nucleic acid sequences. This instrument is commonly used in molecular biology laboratories to conduct research and diagnose diseases. It is important to have a standard operating procedure (SOP) for this instrument to ensure that it is used correctly and that the results obtained are accurate and reliable.

Objective:

The objective of this SOP is to provide instructions for the correct use of the HIMEDIA CD Display Interface PCR Machine and Online UPS.

Equipment:

The following equipment is required to use the HIMEDIA CD Display Interface PCR Machine:

PCR Machine

Online UPS

PCR tubes

PCR reagents (primers, Taq polymerase, dNTPs)

DNA template

Micropipettes and tips

Sterile water

Ethanol

Thermometer

Procedure:

Preparation of PCR Reaction Mix:

a. Thaw all PCR reagents on ice and vortex briefly.

b. Mix the following components in a sterile PCR tube:

DNA template

PCR buffer

Primers

Taq polymerase

dNTPs

Sterile water

c. Cap the PCR tube and centrifuge briefly to collect the contents at the bottom of the tube.

Setting up the PCR Machine:

a. Turn on the PCR Machine and allow it to warm up for at least 15 minutes.

b. Set the desired temperature and time for denaturation, annealing, and extension of the PCR cycle.

c. Load the PCR tubes into the appropriate slots on the machine.

Running the PCR Reaction:

a. Start the PCR reaction using the PCR Machine software.

b. Monitor the reaction progress on the machine's display interface.

c. At the end of the reaction, store the PCR products in a -20°C freezer until further use.

Operating the Online UPS:

a. Turn on the Online UPS and allow it to stabilize for a few minutes.

b. Connect the PCR Machine to the Online UPS using the provided cables.

c. Check the Online UPS display interface to ensure that the PCR Machine is receiving power.

Shutdown Procedure:

a. Turn off the PCR Machine.

b. Disconnect the PCR Machine from the Online UPS.

c. Turn off the Online UPS.

Maintenance:

To ensure that the HIMEDIA CD Display Interface PCR Machine and Online UPS are in good working condition, the following maintenance procedures should be carried out:

Clean the machine regularly with a soft cloth and 70% ethanol.

Regularly check and replace the PCR reagents if necessary.

Calibrate the machine at least once a year.

Keep the machine and UPS in a cool and dry place.

Conclusion:

The HIMEDIA CD Display Interface PCR Machine and Online UPS are critical instruments used in molecular biology research. It is essential to follow the SOP outlined above to ensure that the machine is used correctly and that accurate results are obtained. By carrying out regular maintenance, the lifespan of the machine can be extended, and accurate results can be obtained consistently.

SOP Of 32x0.2 ml well PCR Thermal cycler HimediaTFT Display Interface PCR Machine (Semi-Quantitative).

Introduction:

The purpose of this report is to provide a Standard Operating Procedure (SOP) for the use of the instrument model 32x0.2 ml well PCR Thermal cycler Himedia TFT Display interface PCR machine (Semi-Quantitative). This instrument is commonly used in molecular biology research for amplifying DNA, RNA, and cDNA sequences through the Polymerase Chain Reaction (PCR) technique. The SOP will guide users on how to operate the instrument in a safe and efficient manner.

Instrument Description:

The 32x0.2 ml well PCR Thermal cycler Himedia TFT Display interface PCR machine (Semi Quantitative) is a state-of-the-art PCR machine that can accommodate up to 32 PCR tubes of 0.2 ml volume each. It has a TFT display interface that allows for easy programming and monitoring of the PCR amplification process. The instrument has a built-in heating and cooling system that can precisely control the temperature within the PCR tubes to ensure optimal PCR amplification.

Standard Operating Procedure:

Preparation of PCR Reaction Mix:

Prepare the PCR reaction mix by adding the following components to a sterile microcentrifuge tube:

Template DNA or RNA

Primers

Taq polymerase

dNTPs

Buffer

Sterile distilled water

Mix the components thoroughly by pipetting up and down several times. Spin down the tube briefly to collect all the liquid at the bottom.

Loading the PCR Tubes:

Label the PCR tubes with the appropriate sample names or codes. Open the lid of the PCR machine and place the PCR tubes in the block. Make sure to place the tubes in the correct orientation, matching the well position with the label. Close the lid of the PCR machine.

Programming the PCR Machine:

Turn on the PCR machine by pressing the power button. The TFT display will show the start-up screen. Press the Menu button to access the programming menu.

Enter the following parameters for the PCR amplification:

Denaturation temperature (°C)

Annealing temperature (°C)

Extension temperature (°C)

Denaturation time (seconds)

Annealing time (seconds)

Extension time (seconds)

Number of cycles

Once all the parameters are entered, press the Run button to start the PCR amplification.

Monitoring the PCR Amplification:

During the PCR amplification, the TFT display will show the current cycle number, temperature, and time. You can monitor the progress of the PCR amplification by checking the fluorescence signal of the samples using a compatible detection system.

Completion of the PCR Amplification:

Once the PCR amplification is complete, the PCR machine will beep to signal the end of the program. Turn off the PCR machine by pressing the power button. Open the lid of the PCR machine and remove the PCR tubes.

Post-PCR Analysis:

After the PCR amplification, you can analyze the PCR products by running them on an agarose gel, sequencing them, or quantifying them using a suitable method.

Safety Precautions:

Always wear gloves and a lab coat while handling PCR reagents and samples.

Use sterile techniques to prevent contamination of PCR reactions.

Do not touch the block of the PCR machine while it is in operation, as it can be hot.

Do not open the lid of the PCR machine while the program is running, as it can affect the temperature cycling of the PCR reaction.

Conclusion:

The Standard Operating Procedure for the 32x0.2 ml well PCR Thermal cycler Himedia TFT Display interface PCR machine (Semi-Quantitative) provides guidelines for safe and efficient operation of the instrument. By following the SOP, users can ensure reliable and reproducible PCR amplification for their molecular biology research.

SOP Of Gel Documentation System (IG-61840) withTouch Laptop.

Introduction:

The Gel Documentation System (IG-61840) is a widely used instrument in molecular biology laboratories. The instrument is used for visualizing, capturing, and analyzing DNA, RNA, and protein gels. This report outlines the standard operating procedure for the Gel Documentation System with a touch laptop.

Materials:

Gel Documentation System (IG-61840)

Touch laptop with pre-installed software for image analysis and documentation

UV transilluminator for excitation of fluorescent signals

Gel imaging filter for selecting appropriate wavelengths

Gel tray and sample holder

Ethidium bromide stain for DNA gels or Coomassie Brilliant Blue stain for protein gels

Molecular weight marker for size estimation

Procedure:

Turn on the Gel Documentation System and the touch laptop.

Place the gel on the gel tray and insert it into the sample holder.

Select the appropriate imaging filter for the gel type and stain used.

Turn on the UV transilluminator and adjust the height of the sample holder to ensure that the gel is in focus.

Open the imaging software on the touch laptop and select the camera settings, including the exposure time, aperture, and gain.

Click on the capture button to acquire an image of the gel.

Save the image to a designated folder and name it appropriately.

If necessary, adjust the contrast and brightness of the image using the software's image processing tools.

Use the software's annotation tools to label the lanes and bands on the gel.

Save the annotated image to the designated folder.

If needed, analyze the gel image using the software's analysis tools to quantify band intensity, size, and molecular weight.

Clean the gel tray and sample holder with a disinfectant before and after use.

Turn off the UV transilluminator and the Gel Documentation System after use.

Safety precautions:

Wear gloves and protective eyewear when handling ethidium bromide or Coomassie Brilliant Blue stain.

Follow proper disposal procedures for ethidium bromide and Coomassie Brilliant Blue solutions.

Never look directly at the UV transilluminator when it is turned on.

Conclusion:

The standard operating procedure for the Gel Documentation System with a touch laptop is a simple and efficient method for visualizing and analyzing DNA, RNA, and protein gels. By following the

steps outlined in this report, researchers can obtain accurate and reproducible gel images and data for their experiments.

SOP of Gel Documentation System PE 19 BAA000046IG- Mini Gel Documentation System.

Introduction:

The Gel Documentation System PE 19 BAA000046 IG-MINI is a device used to capture and analyze images of gels used in molecular biology experiments. It is an important tool for researchers to analyze and document their experimental results. To ensure the reliable and consistent performance of the system, it is essential to have a standard operating procedure (SOP) in place. This report outlines the standard operating procedure for the Gel Documentation System PE 19 BAA000046 IG-MINI.

Equipment:

Gel Documentation System PE 19 BAA000046 IG-MINI

Computer with software installed

UV transilluminator

Camera

Appropriate cables and connectors

Procedure:

Preparing the Gel:

a. After the gel is run, remove it from the electrophoresis unit and stain it with the appropriate dye.

b. Place the gel on the UV transilluminator and turn on the UV light.

c. Adjust the camera settings for optimal image capture.

Capturing the Image:

a. Open the Gel Documentation software on the computer.

b. Choose the appropriate image capture settings.

c. Select the camera as the image source.

d. Position the gel in the center of the field of view.

e. Capture the image.

Saving the Image:

a. Review the image for quality and clarity.

b. If necessary, adjust the image settings or recapture the image.

c. Save the image in the appropriate file format and location.

d. Record the image information in the lab notebook.

Shutting Down the System:

a. Turn off the UV transilluminator.

b. Turn off the camera and disconnect it from the computer.

c. Exit the Gel Documentation software and shut down the computer.

d. Clean the Gel Documentation system according to the manufacturer's instructions.

Conclusion:

The Gel Documentation System PE 19 BAA000046 IG-MINI is an important tool for molecular biology experiments. By following this standard operating procedure, researchers can ensure that the system is used correctly and consistently. This will lead to reliable and reproducible results, which are critical for scientific research. It is essential to train all personnel who use the system on this SOP to ensure that it is followed correctly.

SOP of HP Intel care i3 91004 4 GB/ 1000 GB HDD/Windows 10 Profession.

Introduction:

The purpose of this report is to provide a standard operating procedure (SOP) for the HP Intel Core i3 91004 instrument model with 4GB/ 1000GB HDD/ Windows 10 Professional operating system. The SOP will outline the necessary steps required to operate the instrument, including starting up the device, performing basic tasks, and shutting down the system safely.

Equipment:

The following equipment is required to operate the HP Intel Core i3 91004 instrument model:

HP Intel Core i3 91004 instrument model

Power cable

Monitor

Keyboard

Mouse

SOP:

Start-up procedure:

a. Plug in the power cable to the back of the HP Intel Core i3 91004 instrument model and connect it to a power source.

b. Connect the monitor, keyboard, and mouse to the corresponding ports on the instrument model.

c. Press the power button located on the front panel of the instrument model to turn on the system.

d. Wait for the system to load the Windows 10 Professional operating system and display the login screen.

Operating procedure:

a. Use the mouse to select and click on the desired application or program from the desktop or start menu.

b. Use the keyboard to input data or commands as required.

c. Use the monitor to view the output of the application or program being run.

d. Ensure that all necessary peripherals are connected and powered on before starting any task on the system.

Shut down procedure:

a. Close all open applications and programs on the system.

b. Click on the Windows start button and select "Power" from the pop-up menu.

c. Click on "Shut down" to initiate the shut-down process.

d. Wait for the system to complete the shut-down process before unplugging the power cable from the power source.

Conclusion:

The HP Intel Core i3 91004 instrument model is a powerful computing device that can be used for a variety of applications. However, to ensure its safe and efficient operation, it is important to follow the standard operating procedure outlined in this report. By following these procedures, users can minimize the risk of damage to the device and optimize its performance.

Dr. Mrs. S.A. SARAF
(M.Sc. Ph.D. F.I.A.A.B., F.S.L.Sc.)
Associate Professor, Head of Department
Department of Zoology
Government College of Arts & Science,
Aurangabad. (M.S.)

Principal
PRINCIPAL
Govt. College of Arts & Science
Aurangabad

IQAC

ACTIVITY REPORT Department of Zoology

1) Title of Activity: Demonstration of Instruments

Date: 05/11/2021

2) Nature of Activity- A

A) Curricular (Academic) OR

B) Co curricular (supporting to academics) OR

C) Extracurricular (e.g. Sports/cultural/Elocution/Youth Festivals/NCC/NSS/earn & learn etc)

3) Name of the Department/Committee- ZOOLOGY

4) Activity coordinator/In charge- Dr. S.A. Saraf

5) Objectives of Activity-

1. To explore the knowledge.

6. Is the activity planned at the beginning of the session? --YES----------

C. If yes, is it mentioned in the departmental calendar of current academic year?

---June 17 to Dec 2021----------

7. Brief description about activity Conducted – Students of B.sc. participated and contributes their hard work for success. It is one of the departmental activities for B.Sc. Zoology students.

* B.Sc. students participate every year done by dept.

* Many other zoology topics cover the students.

8. Resources used for activity (Economic/non economic)

9. Output of the activity-To interest in the subject and to work on this.

10. Feedback-

11. Total no. of students participated-=20

12. Total no. of girls students participated – 12

13. Total No. of females involved in the organization of activity -01

Dr. S.A. Saraf

Name & Signature

Central lab incharge

Head of the Department
Govt. College of Arts & Science
Aurangabad.

Govt. College of Arts & Science Aurangabad

Name & Signature

Principal

PRINCIPAL
Govt. College of Arts & Science
Aurangabad

IQAC

ACTIVITY REPORT Department Of Zoology

1) Title of Activity; Information about Central lab instrumentation use in different techniques
Date:12/08/2021

2) Nature of Activity- A

A) Curricular (Academic) OR

B) Co curricular (supporting to academics) OR

C) Extracurricular (e.g. Sports/cultural/Elocution/Youth Festivals/NCC/NSS/earn & learn etc)

3) Name of the Department/Committee- ZOOLOGY

4) Activity coordinator/In charge- Dr. S.A. Saraf

5) Objectives of Activity-

1. To explore the knowledge.

6. Is the activity planned at the beginning of the session? --YES----------

C. If yes, is it mentioned in the departmental calendar of current academic year?

---june 17 to Dec 2021----------

7. Brief description about activity Conducted – Students of Bsc. participated and contributes their hard work for success. It is one of the departmental activities for B.Sc. Zoology students.

* B.Sc. students participate every year done by dept.

*Many other zoology topics cover the students.

8. Resources used for activity (Economic/non economic)

9. Output of the activity-To intrest in the subject and to work on this.

10. Feedback-

11. Total no. of students participated-=20

12. Total no. of girls students participated – 12

13. Total No. of females involved in the organization of activity -01

Dr.S.A. Saraf

Name & Signature

Central lab incharge

Head of the Department
Govt. College of Arts & Science
Aurangabad.

Govt. College of Arts & Science Aurangabad

Name & Signature

Principal

PRINCIPAL
Govt. College of Arts & Science
Aurangabad

GOVERNMENT COLLEGE OF ARTS & SCIENCE, AURANGABAD

IQAC
ACTIVITY REPORT

1) Title of Activity- Certificate course on introduction to Sanskrit e learning tools

2) Nature of Activity & Date – 1 January 2022 to 31January 2022

TYPE- Curricular

3) Name of the Department/Committee - Sanskrit

4) Activity coordinator/In charge- Dr. Pankaja Waghmare

5) Objectives of Activity- This course aims to

- acquaint with basic grounding in Computer Applications.
- emphasize importance of Computer applications in Sanskrit.
- learn the Basics of Computer Tools of Sanskrit language.

6. Is the activity planned at the beginning of the session? - YES

C. If yes, is it mentioned in the departmental calendar of the current academic year? - NA

7. Brief description about activity Conducted-

30 students from secondary school are participated and benefited.

8. Resources used for activity (Economic/non-economic) -

Non economic

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9. Output of the activity- 30 beneficiaries

10. Feedback (Brief quantitative description and suggestions by participants if any) – Feedback forms are attached

11. Total no. of students participated - 30

12. Total no. of girls' students participated- 14

13. Total No. of females involved in the organization of activity - 01

14. Problems encountered- nil

(Pl submit list of students, photographs, letters related with activity (if any) in soft and hard copy while submission. Maintain all the documents at department/committee level also)

Dr. Pankaja Madhav Waghmare
H.O.D. Sanskrit
Govt. College of Arts and Science, Auranagabad

Head of the Department
Govt. College of Arts & Science
Aurangabad.

संस्कृतप्रतिष्ठानम्
सत्कार्यार्थं हि संस्कृतम्।

Reg.No.F0027430(ARN)

संस्कृतप्रतिष्ठानम्

डॉ. अजय निलंगेकर
अध्यक्ष
९४०४००१६८९

वन्दे संस्कृतमातरम्।

विश्वामित्र एन-७,के-४३,बजरंग कॉलनी,सिडको,औरंगाबाद ई-मेल- : sanskritpratishthanam@gmail.com

15/12/2021

प्रति,
मा. प्राचार्य ,
शासकीय ज्ञान विज्ञान महाविद्यालय
औरंगाबाद

विषय:- भाषा प्रयोग शाळेत संस्कृत भाषा विषयक कार्यशाळा घेणे बाबत.

माननीय महोदय,

आपल्या महाविद्यालयात नुकतेच भाषिक प्रयोगशाळेचे उद्घाटन झाले आहे. संस्कृत प्रतिष्ठानम् आणि शासकीय ज्ञान विज्ञान महाविद्यालय यांच्यातील शैक्षणिक सामंजस्य करारान्तर्गत दिनांक 1 जानेवारी 2022 ते 31 जानेवारी 2022 दरम्यान एक महिन्याची संस्कृत भाषा परिचय कार्यशाळा शालेय विद्यार्थ्यांसाठी घेण्याचा प्रस्ताव या पत्राद्वारे आम्ही देत आहोत.

जेणेकरून आपल्याकडील भाषिक प्रयोगशाळेचा उपयोग विद्यार्थ्यांच्या ज्ञानवृद्धीसाठी होईल. यासाठी एकूण 30 विद्यार्थ्यांसाठीची एक बॅच करून त्यांना संस्कृत भाषा कौशल्य अवगत करून देण्यासाठी प्रयत्न करता येतील.

तरी या उपक्रमासाठी आपण अनुमती द्यावी ही नम्र विनंती.

अध्यक्ष
संस्कृतप्रतिष्ठानम्
औरंगाबाद

Govt. College of Arts & Science
Aurangabad.

Government College of Arts and Science, Auranagabad
Department of Sanskrit

Certificate course on introduction to Sanskrit E-learning tools

Venue – Language Laboratory **Duration – 1 January to 31January 2022**

Course Content

Course Objectives:

This course aims to

- acquaint with basic grounding in Computer Applications.
- emphasize importance of Computer applications in Sanskrit.
- learn the Basics of Computer Tools.

Outcome of Course:

This course will help students to

- obtain basic knowledge of computer.
- develop understanding of Sanskrit and Computer knowledge.
- build a bridge between Sanskrit and Computer Techniques.

Course content

Sr. No.	Topic	Duration
1.	नाम-क्रिया-रूप-निष्पादन	First week
2.	Morphological analysis (पदविश्लेषण)	Second week
3.	सन्धिः	Third week
4.	सम्भाषणकौशल्यम्	Fourth week

Internal Assessment

Sr. No.	Assessment pattern	Marks
1.	Oral	10
2.	Practical	10
	Total	20

Govt. College of Arts & Science Aurangabad.

References –

Sn	Title of the Book	Author	Publication
1.	https://sanskrit.uohyd.ac.in/scl/#	संसाधनी	Online Tutorials
2.	https://sanskrit.uohyd.ac.in/scl/MT/index.html	अनुसारकम्	Online Tutorials
3.	https://www.sanskritfromhome.org/unique-differentiator	Sanskrit software	Online Sanskrit labs

Govt. College of Arts & Science Aurangabad.

Dr. Pankaja Madhav Waghmare

Head of the Department
Govt. College of Arts & Science
Aurangabad.

H.O.D. Sanskrit and Course co-ordinator
Govt. College of Arts and Science,
Auranagabad

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and संस्कृतप्रतिष्ठानम्, औरंगाबाद Organizes

Certificate course on Introduction to Sanskrit e learning tools

1st January to 31st January 2022

Venue – Language Lab, GASCA

Attendance sheet

Sr. No.	Name of the Student	Signature
1	HARSHAL GHORPADE	
2	SHRIHARI KURRA	
3	SHREYA KANHERE	
4	PURAB ADNE	
5	SARTHAK RATHOD	
6	ABHINAV RATHOD	
7	AADESH YEOLE	
8	KASHYAP NANDAGAWALI	
9	YASH SATHE	
10	RUSHIKESH GAIKWAD	
11	SANJANA GHODICHORE	
12	PAWAN MEHER	
13	ISHANT JADHAV	
14	RUTUJA SHEJWAL	
15	SARTHAK LAGGAD	
16	SHREYA JADHAV	
17	GAURAV DEOKAR	
18	SHRUTI DHARKAR	
19	LAKSH BANIYA	
20	ANUJ SURYAWANSHI	
21	ANUJ MITKAR	
22	SAI MALI	
23	SIDDHANT CHAVAN	
24	NANDITA DHOKRAT	
25	VEDANTI ZARE	
26	UTKARSH KALE	
27	KALYANI GAIKWAD	
28	PRATIKSHA GHORPADE	
29	KADAMBARI KHANALE	
30	LAXMAN PEHARKAR	

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GOVERNMENT COLLEGE OF ARTS & SCIENCE, AURANGABAD

and संस्कृतप्रतिष्ठानम्, औरंगाबाद Organizes

Certificate course on Introduction to Sanskrit e learning tools

1st January to 31st January 2022

Venue – Language Lab, GASCA

FEEDBACK

1. **Is it useful activity for you?**

   ✓ **YES** **NO**

2. **Do you like to study in the language lab?**

   ✓ **YES** **NO**

3. **Do you think that this course is interesting?**

   ✓ **YES** **NO**

4. **Do you like the teaching?**

   ✓ **YES** **NO**

5. **Write your view about this course**

   I love the course, it feels very interesting. I like the view of language lab course and it is very inovative.

Abhinav Rathod

Name of the Student

Govt. College of Arts & Science Aurangabad. सत्यमेव जयते

Rathod.

Signature

GOVERNMENT COLLEGE OF ARTS & SCIENCE, AURANGABAD

and संस्कृतप्रतिष्ठानम्, औरंगाबाद Organizes

Certificate course on Introduction to Sanskrit e learning tools

1st January to 31st January 2022

Venue – Language Lab, GASCA

FEEDBACK

1. **Is it useful activity for you?**

   YES NO

2. **Do you like to study in the language lab?**

   YES NO

3. **Do you think that this course is interesting?**

   YES NO

4. **Do you like the teaching?**

   YES NO

5. **Write your view about this course**

   _____

   _____

   _____

Piyush Tambole

Name of the Student

Signature

Govt. College of Arts & Science Aurangabad. सत्यमेव जयते

GOVERNMENT COLLEGE OF ARTS & SCIENCE, AURANGABAD

and संस्कृतप्रतिष्ठानम्, औरंगाबाद Organizes

Certificate course on Introduction to Sanskrit e learning tools

1st January to 31st January 2022

Venue – Language Lab, GASCA

FEEDBACK

1. **Is it useful activity for you?**

   YES ✓ **NO**

2. **Do you like to study in the language lab?**

   YES ✓ **NO**

3. **Do you think that this course is interesting?**

   YES ✓ **NO**

4. **Do you like the teaching?**

   YES ✓ **NO**

5. **Write your view about this course**

   _____

   _____

   _____

Utkarsh Kale

Name of the Student

Utkarsh

Signature

Govt. College of Arts & Science Aurangabad

Government of Maharashtra's

GOVERNMENT COLLEGE OF ARTS AND SCIENCE, AURANGABAD

CERTIFICATE

This is to certify that, Ms/Mr _____ of **Little Flower High School, Aurangabad** has participated in Introduction to Sanskrit E-Learning Tools, conducted by department of Sanskrit, Government College of Arts & Science, Aurangabad in the Academic Year 2021-22.

Dr. Pankaja Waghmare
Course Coordinator & Head
Department of Sanskrit

Dr. Ajay Nilangekar
Principal
Little Flower High School, Aurangabad

Dr. R.H. Satpute
Principal (I/C)
Government College Of Arts And Science,
Aurangabad

Little Flower High School

Cantonment Aurangabad – 431002.

Tel. 0240-2370930

Letter of thanks

We are very much thankful for sharing language lab under the outreach activity for students of our school.
It was helpful to develop communication skills among students.
This workshop helped to bridge the gap between language and technology.

Thank You

Govt. College of Arts & Science Aurangabad.

Yours sincerely ,
I/C Principal
Little Flower High School
Aurangabad