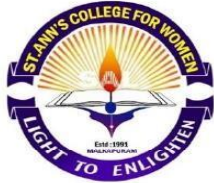


4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Document 1 : Maintenance Policy



ST. ANN'S COLLEGE FOR WOMEN

(Permanently affiliated to Andhra University)

Recognized under 2(f) of the UGC Act, 1956

Malkapuram, Dist.Visakhapatnam, Andhra Pradesh 530011

Phone- 7993707565(O) 9441838484 (P)

Email:stannscollegevsp@gmail.com Website:www.stannscollegevizag.org

MAINTENANCE POLICY DOCUMENT

The comprehensive infrastructure of the College is constituted by elementary features like buildings, classrooms and playgrounds, and advanced attributes like ICT-enabled classrooms and laboratory facilities. The institute adopts standard established systems and procedures for maintaining the physical, academic and support facilities. Facilities available in the Departments are maintained and managed in such a way that they are freely accessible to all the students, but strictly monitored by a member of the faculty. The services of plumbers, electricians, and computer analysts are available round the clock in the campus.

This document provides a management framework and an outline on the allocation of responsibilities to ensure effective use and maintenance of existing infrastructure facilities.

1. Maintenance of Classrooms, Furniture and Laboratories

Classrooms with furniture, teaching aids and laboratories are maintained by the respective department staff and attendants and supervised by the respective Head of the Department. The laboratory assistants take care of their respective laboratories. The Heads of Departments report to the administration periodically for all the maintenance works. Minor repairs are registered in a ledger maintained in the office and are attended on priority basis. Staffs of respective department monitor effective utilization of the laboratories. Students optimally utilize all classrooms during the daylong working hours and are also mentored to upkeep the furniture.

2. Maintenance and Utilisation of Library and Library Resources

The library staff is clearly instructed in the care and handling of library documents, particularly during processing, shelving and conveyance of documents. The following steps need to be taken:

- Bound volumes are not to be sorted out from their fore edges, as this process weakens the binding.
- Shelves should not be fully packed. A too-full shelf can crack spines and cause damage when a reader tries to remove a volume. Huge volumes need to be kept flat.
- Dust should not be allowed to deposit on the documents because the collection of dust causes staining of documents and promote chemical and biological problems. Cleaning and using vacuum should be done regularly and carefully.
- Magnetic discs or documents containing disc(s) should not be kept open or near any magnetic or electric equipment. Such materials should be kept in a dust-free, temperature and humidity controlled room.
- Proper pest management is done to minimize the problems caused by insects. Borax or common salt is used to prevent cockroaches. Sodium fluoride is applied to bound volumes to save them from silverfishes. Spread of kerosene oil, DDT or gammaxine powder over the affected area can help in removal of termites or white ants. Proper cleaning, fumigation and exposure to sunlight to the documents are done to reduce the effect of insects in the library. Repellants are used to save materials from Rats.


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3. Maintenance and Utilization of Seminar Halls and Auditorium

Seminar halls and auditorium are under the purview of the concerned team and the cleanliness is taken care of by the housekeeping team. Effective utilization of seminar halls and auditorium for organizing academic meetings, seminars, conferences and cultural events is made. For accessing the facilities, the organizing faculty/staff member should seek permission of the Principal.

4. Maintenance of Electronics and Instruments

The institution provides essential support of servicing and maintaining Instruments and electronic items utilized in the various laboratories. The employed technicians extend their service to all the departments to ensure optimal utilization of instruments. The institute also ensures that proper training is provided to the lab assistants for time to time enhancing their technical skills.

5. Maintenance of ICT Facilities

The HOD of Computer Department and its support staff maintain the ICT facilities including computers and servers. At time of break down or technical issue a third party expert is contacted. The annual maintenance includes the required software installation, antivirus and up gradation. To minimize e-waste, electronic gadgets like projectors, computers, printers, photocopiers are serviced and reused. Campus Wi-Fi is maintained by respective center.

6. Maintenance of Sports and Games Facility

The sports equipment's, fitness equipment's, ground and various courts are supervised and maintained by the Physical Directress with the help of supporting staff. Ground level maintenance and seasonal maintenance is done annually. Sports Committee and Grounds men jointly maintain the sports equipment's. Purchase of new sport equipment's are made with the permission of the Principal. Sports Committee looks after the sports facilities of the institute and organizes the related events

7. Maintenance of Campus Cleanliness.

Cleaning of the campus areas in both campuses including the academic and administrative buildings is performed daily in the morning before the regular classes begin with the help of the outsourced housekeeping team. Toilets are cleaned every day on regular basis.

8. Maintenance of other amenities

The effluent treatment plants and rain water harvesting systems are maintained by the support staff.

The maintenance of equipment for water pumping plants, sewage, are undertaken as per their preventive maintenance schedules and guidelines by the equipment supplier.

The campuses are equipped with 24/7 safe and adequate drinking water supply using water purifiers.

Fire extinguishers are installed in various blocks and are maintained by the supporting staff.

Amenities like canteen, stationery for all stakeholders are maintained by respective service providers on annual contract.

Green environmental aspects –Gardens, bird feeders, solar panels, rainwater harvesting systems, vermi compost in the campus are maintained by the gardeners every day and frequently by the students as a service activity.

the campus is under CCTV surveillance and the facility is taken care of by third party through contract.

9. Annual Stock Checking

Annual stock checking of furniture, lab equipment, stationery, ICT facilities, sports items and all assets and reporting of repairs is done by designated faculty as a year ending activity and the consolidated report is submitted to the administration to take up necessary actions if required.

10. Replacement of Equipment/ Electronics /Computers

The maintenance comprises actions that are carried out to replace worn out assets. To avoid e – waste the outdated electronics /computers are put on buy back as per norms and new items are procured.

11. Day to Day Emergency Maintenance

Day to day maintenance includes daily running repairs, like replacing light bulbs, repairing water leakages - leaking water pipes, taps, valves and cisterns, cleaning blocked drains, repairing locks and door handles and other minor repairs that necessitate day to day maintenance checks are taken care of by the supporting staff.

12. Annual maintenance of solar panel:

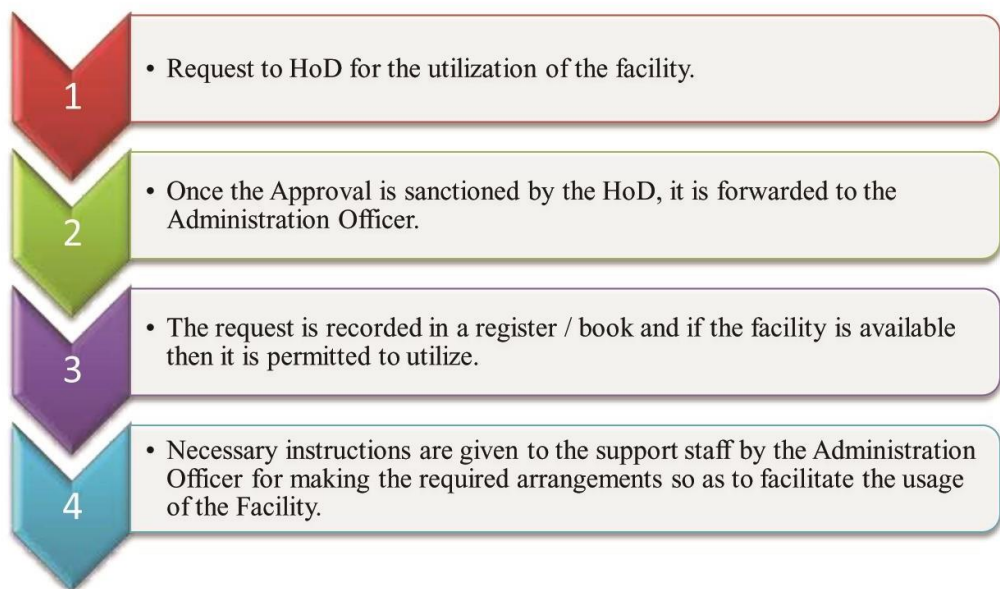
1. A general performance check of the system is done by reviewing the daily performance data to detect any major changes in output
2. Checking the solar panels to ensure that they are clean, free of fractures, scratches, corrosion, moisture penetration and browning.
3. Cabling is checked regularly to ensure that it is secure and the voltage of strings is within the stipulated tolerance.
4. Checking the mounting hardware to ensure it is in good condition and ensuring the earth connection is continuous.
5. Checking of junction boxes to ensure there is no water accumulation and that the integrity of lid seals, connections and clamping devices is intact.
6. Checking of breakers for any damage, and to verify that the isolation devices are working correctly
7. Checking of fuse boxes for water damage and resistive joints on connections
8. Inspecting the inverters to assess any damage, checking for any resistive joints on connections and verifying the DC voltage coming into the inverter.


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Document No:2 : Additional Information

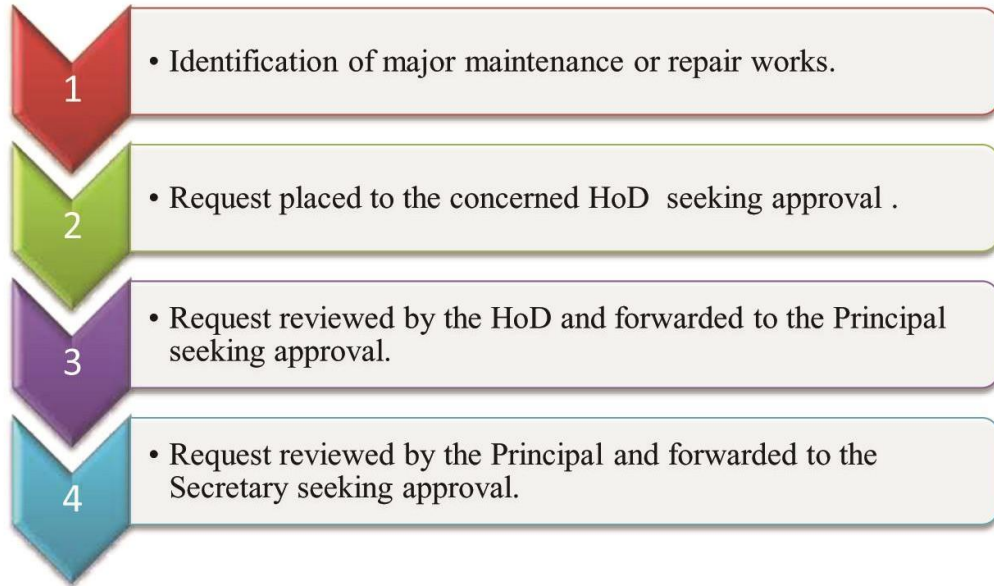
ADDITIONAL INFORMATION

Procedure for Utilization of Physical Facilities



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Procedure for Major Maintenance Works



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Procedure for Repairs & Maintenance

STEP 1

- As and when it is identified that any infrastructure / asset / equipment requires repair / maintenance, a request is recorded in the register specified, maintained by the Administration Office.

STEP 2

- The same register is regularly checked by the In-house Maintenance Staff to attend to any repair / maintenance work such as civil, electrical, plumbing, etc.



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List of Lab Equipments

1. Bio-Technology

Sl. No.	Equipment Name	Equipment Quantity
1	MICROPIPETTES	4
2	MAGNETIC STIRRER	2
3	L- TRYPTOPHAN	1
4	LEAD ACETATE	1
5	L- CYSTEINE	1
6	LAMINAR AIR FLOW CABINET	1
7	INCUBATOR	1
8	HORIZONTAL ELECTROPHORESIS	1
9	GRAMS IODINE	1
10	GAS CYLINDER	1
11	FERRIC CHLORIDE	1
12	FEHLINGS SOLUTION B	1
13	FEHLINGS SOLUTION A	1
14	FC REAGENT	1
15	ELECTROPHORESIS POWERPACK	1
16	DHONA BALANCE	1
17	DEXTROSE	1
18	CYCLOMIXER	1
19	CUPRIC SULPHATE	1
20	CRYSTAL VIOLET	1
21	CONICAL FLASKS	10
22	COLORIMETER	1
23	CHROMATOGRAPHIC COLUMN	1
24	BURNERS	12
25	BURETTES	5
26	BROMINE	1
27	BOILING TUBES	53
28	BEAKERS	5
29	AUTOCLAVE VERTICAL	1
30	AMMONIUM CARBONATE	1
31	ALPHA NAPHTHOL	1
32	ACETONE EAR	1
33	ACETONE	1
34	2,3,5- TRIPHENYL TETRAZOLIUM CHLORIDE	1

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35	VOLUMETRIC FLASKS	10
36	VERTICAL SLAB GEL SYSTEM	1
37	UREA	1
38	TEST TUBES	76
39	SPIRIT LAMPS	4
40	SODIUM POTASSIUM TARTARATE	1
41	SODIUM NITROPRUSSIDE	1
42	SODIUM NITRITE	1
43	SODIUM HYPOCHLORIDE	1
44	SODIUM CARBONATE	1
45	SAFRANINE	1
46	RESORCINOL	1
47	POTASSIUM THIOCYANATE	1
48	POTASSIUM HYDROXIDE	1
49	POTASSIUM FERRO CYANIDE	1
50	OXALIC ACID	1
51	OVEN	1
52	NUTRIENT AGAR	1
53	MICROSCOPES	2
54	METHYLENE BLUE	1
55	MEASURING CYLINDERS	5
56	MALACHITE GREEN	1

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2.Botany


Sl. No.	Equipment Name	Equipment Quantity
1	STOPPER BOTTLES	3
2	VOLUMETRIC FLASK	7
3	THERMOMETERS	3
4	TEST TUBE STANDS	3
5	STAINING RACKS	12
6	SQUARE GLASS TROUGH	1
7	SPOTTERS	46
8	SPIRIT LAMPS	7
9	ROUND GLASS TROUGH	1
10	ROUND BOTTOMED FLASK	2
11	PIPETTES	5
12	PETRI DISHES	15
13	PERMANENT SLIDES	98
14	MORTAR AND PESTLE	1
15	MORTAR	1
16	MEASURING CYLINDERS 50ML	1
17	MEASURING CYLINDERS 500ML	1
18	MEASURING CYLINDERS 25ML	1
19	MEASURING CYLINDERS 100ML	1
20	GLASS RODS	11
21	GANANJS POTOMETER KITS	2
22	ENAMEL TRAYS	2
23	DROPPING BOTTLES	33
24	DROPPERS	11
25	DISSECTION MICROSCOPES	6
26	COMPOUND MICROSCOPES	15
27	BENT TUBES	6
28	BELL JARS	2
29	BEAKER	1
30	WASH BOTTLES PLASTIC	9
31	MAGIFIER LENS	1
32	GANANGS POTOMETER	1
33	LPG GAS STOVE	1
34	POINTER EYE PIECES	2
35	BINOCULAR MICROSCOPES	2
36	ORBITALSHAKER	1
37	PH METER	1
38	SDS PAGE	1

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3.Zoology

Sl. No.	Equipment Name	Equipment Quantity
1	VELLELLA	1
2	ANCHYLOSTOMA	1
3	ANOPHELES-FEMALE	1
4	ANOPHELES-MALE	1
5	APHRODITE	1
6	BIPPINARIA LARVA	1
7	CERCERIA	1
8	CHITON	1
9	CLYPSER	1
10	CORALLIUM	1
11	CULEX FEMALE	1
12	CULEX MALE	1
13	DOCLE-CRAB	1
14	ECHINOCOCCOUS	1
15	ECHINUS	1
16	FASCIOLA HEPATICA	1
17	GLOCHIDIUM LARVA	1
18	GORGONIA	1
19	HOUSE FLY MOUTH PARTS	1
20	LIMULUS	1
21	LOLIGO	1
22	MEDUSA	1
23	MIRACIDIUM-LARVA	1
24	MUREX	1
25	OBELIA COLONY	1
26	OPHITHRIX	1
27	PENNATULA	1
28	PLANARIA	1
29	REDIA LARVA	1
30	SEPIA	1
31	SYCON	1
32	COMPOUND MICROSCOPE	1
33	DISSCETIO	1
34	DISSECTION TRAYS	1
35	PROJECTION MICROSCOPE	1
36	MICRO MICROSCOPE	1
37	ELECTRICAL MICROSCOPE	1
38	STAND LENS	1
39	HAND LENS	1
40	BONE CUTTER	1
41	BLOOD GROUP TEST KIT	1


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4.Bio-Chemistry

Sl. No.	Equipment Name	Equipment Quantity
1	WATER TROUGH	1
2	BENEDICTS REAGENT	1
3	SULPHURIC ACID	1
4	TEST TUBES	76
5	TEST TUBE STANDS	20
6	TRIPOD STANDS	3
7	VOLUMETRIC FLASKS	10
8	WASH BOTTLES	24
9	WATCH GLASSES	8
10	WATER BATH	1
11	PHENOPHTHALEIN SOLUTION	1
12	PHENOL	1
13	PETRIDISHES	10
14	PERCHLORIC ACID	1
15	OLEIC ACID	1
16	NITRIC ACID	1
17	NINHYDRIN SOLUTION	1
18	N BUTYRIC ACID	1
19	N BUTANOL	1
20	MOTOR AND PESTEL	1
21	MOLISCH REAGENT	1
22	MILLONS REAGENT	1
23	METHYL RED	1
24	MEASURING CYLINDERS	5
25	L LYSINE	1
26	L GLUTAMINE	1
27	INCUBATOR	1
28	HYDROCHLORIC ACID	1
29	HOT AIR OVEN	1
30	GLYCINE	1
31	GLYCEROL	1
32	GLASSRODS	15
33	GAS CYLINDER	1
34	FUNNELS	3
35	FILTER PAPER SHEET	8
36	ETHYL ETHER	1
37	ELECTRICAL BALANCE	1
38	DIGITAL PH METER	1
39	DIETHYL ETHER	1
40	CUPRIC SULPHATE	1
41	CONICAL FLASKS	10
42	COLORIMETER	1
43	CHROMATOGRAPHIC COLOMN	1
44	CHOLESTROL	1
45	CHLOROFORM	1

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46	CENTRIFUGE TUBES	
47	CALCIUM CARBONATE	1
48	BURNERS	12
49	BURETTES	5
50	BIOLING TUBES	53
51	BILE SALTS	1
52	BENZENE	1
53	SPATULAS	6
54	BEAKERS	5
55	BARFOEDS REAGENT	1
56	ANALYTICAL BALANCE	1
57	ACETONE EAR	1
58	ACETONE	1
59	ACETIC ACID	1
60	SODIUM SULPHATE	1
61	SODIUM HYDROXIDE PELLETS	1
62	SODIUM ACETATE	1
63	SLIDES	10
64	POTASSIUM HYDROGEN SULPHATE	1
65	PLASTIC TRAYS	3
66	PEPITES	75
67	CALORIMETER	1
68	PH METER	1
69	MICROSCOPES	2
70	TESTTUES	100
71	BURETTES 50ML	5
72	WIREGUAGE	10
73	CLEANING BRUSHES	6
74	BEAKERS 1000ML	2


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5. Chemistry


Sl. No.	Equipment Name	Equipment Quantity
1	WEIGHING BOTTLE	6
2	WIRE GAUGE	20
3	BEAKERS 250ML	10
4	BEAKERS 500ML 4	12
5	BEAKERS 500ML 5	10
6	BOILING TUBES 2	12
7	BOILING TUBES 3	24
8	BURETTES 50ML 2	6
9	BURETTES 50ML 3	15
10	CAPILLARY TUBES	40
11	CAPILLARY TUBES 2	20
12	CENTRIFUGE TUBES 10ML	40
13	CENTRIFUGE TUBES 3	12
14	CENTRIFUGE TUBES 4	23
15	CENTRIGRADE THERMOMETER	12
16	CHINA DISH 2	3
17	CHINA DISH 3	35
18	CLAMPS	12
19	CONDUCTIVITY METER	1
20	CST STIRRERS INNER	10
21	CST STIRRERS OUTER	10
22	DROPPERS	12
23	DROPPERS 2	20
24	ELECTRONIC WEIGHING BALANCE	1
25	ELECTRONIC WEIGHING BALANCE 2	1
26	FILTER PAPER SHEETS 2	100
27	FUNNELS	20
28	GLASS DROPPERS	12
29	GLASS RODS 4	24
30	GLASS RODS 5	24
31	GLASS RODS 6	24
32	GLASS RODS 7	10
33	GLASS TUBINGS	22
34	GLAZED TILES	10
35	IGNITION TUBES	20
36	IGNITION TUBES 2	20
37	KJELDAHL FLASK 100ML 3	6
38	MELTING POINT APPARATUS	1
39	PEAR SHAPED FLASK 4	12
40	PIPETTES 20ML	24
41	PIPETTES 20ML 2	24
42	PLASTIC TUBINGS	10
43	POCKET THERMOMETERS	12
44	POTENTIO METER	1


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45	RECIEVERS	12
46	RUBBER TUBINGS	10
47	SPATULA 2	24
48	SPATULA 3	36
49	STALAGNOMETER 2	6
50	STOP WATCH	2
51	T-ADAPTOR	12
52	TEST TUBE BRUSH 3	20
53	TEST TUBE BRUSH 4	30
54	TEST TUBE HOLDERS 2	39
55	TEST TUBES 2	200
56	TEST TUBE STANDS	30
57	T-SOCKETS	12
58	VISCO METER 2	10
59	VOLUMETRIC FLASK 100ML	6
60	VOLUMETRIC FLASK 250ML	10
61	VOLUMETRIC FLASK 250ML 2	12
62	WATCH GLASS 2	35
63	WEIGHING BOTTLE 2	6
64	WEIGHING BOTTLES 3	6
65	WEIGHING BOTTLES 4	12
66	WIRE GUAGE 2	20
67	MELTING POINT TUBES 2	5
68	MELTING POINT TUBES	4
69	MEASURING JAR 10ML	3
70	KJELDAHL FLASK 100ML 2	10
71	KJELDAHL FLASK 100ML	3
72	HAND GLOVES	1
73	GLASS RODS 3	10
74	GLASS RODS 2	10
75	GLASS RODS	12
76	GLASS FUNNELS	12
77	FUNNEL 75MM 2	10
78	FUNNEL 75MM	10
79	FILTER PUMP	7
80	FILTER PAPER SHEETS	100
81	CRUCIBLE TONGS	12
82	CORK BORE SET	1
83	CONDENSOR	2
84	CHINA DISH	22
85	CENTRIFUGE TUBES 2	12
86	CENTRIFUGE TUBES	24
87	BURETTES 50ML	20
88	BRUSHERS	24
89	BOILING TUBES	12
90	BEAKERS 500ML 2	6


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91	BEAKERS 500ML	12
92	ANALYTICAL WEIGHT BOX 2	2
93	ANALYTICAL WEIGHT BOX	2
94	ANALYTICAL BALANCE	4
95	ADAPTOR AND RECIEVER	36
96	ACID GLOVES	4
97	MORTAR AND PESTLE 75MM	12
98	PEAR SHAPED FLASK	18
99	PEAR SHAPED FLASK 2	8
100	PEAR SHAPED FLASK 3	12
101	PIPETTE 10ML	5
102	PIPETTE 20ML	12
103	PIPETTES 5ML	10
104	PLASTIC PRESSURE TUBE	1
105	PUNCH CLIPS	20
106	RB FLASK	6
107	RETORT CLAMP	10
108	RUBBER CORKS	6
109	RUBBER CORKS 2	10
110	RUBBER CORKS 3	20
111	SEPERATING FUNNELS	12
112	SEPERATING FUNNELS 2	10
113	SPATULA	20
114	STALAGNOMETER	6
115	TEST TUBE BRUSH	30
116	TEST TUBE BRUSHERS	24
117	TEST TUBE BRUSHERS 2	24
118	TEST TUBE HOLDERS	20
119	TEST TUBES	100
120	THERMOMETER	10
121	THERMOMETER POCKET	6
122	THERMOMETERS	12
123	TRIPLE BEAM BALANCE	1
124	TROUGHES	2
125	VISCO METER	6
126	WATCH GLASS	24
127	WATER BATH	12


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6. Computer Lab-

Sl. No.	Equipment Name	Equipment Quantity
1	TAB	30
2	PROJECTOR	1
3	PRINTER	1
4	P A WALL SPEAKER	1
5	P A MIXER AMPLIFIER	1
6	MICROPHONE	1
7	LED TV	1
8	LAPTOPS	30
9	CC CAMERAS	2

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Computer Lab-2

Sl. No.	Equipment Name	Equipment Quantity
1	COMPUTER	30
2	PROJECTOR	1
3	CC CAMERAS	2

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7. English Lab

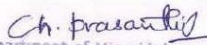
Sl. No.	Equipment Name	Equipment Quantity
1	LED TV	1
2	INTRA CTIVE PANNEL(DIGITAL SCREEN)	1
3	Computers	16
4	TABLETS	40
5	CC CAMARAS	2
6	Ear Phones	24

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8. Microbiology

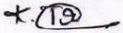
Sl. No.	Equipment Name	Equipment Quantity
1	COLORIMETER	1
2	CONICAL FLASKS	10
3	CRYSTAL VIOLET	2
4	DHONA BALANCE	1
5	DISTILLED WATER BOTTELES	24
6	ELETRICAL BALANCE	1
7	FC REAGENT	1
8	GAS CYLINDER	1
9	GLASS BEAKERS	5
10	HOT AIR OVEN	1
11	INCUBATOR	1
12	INOCULATION LOOPS	18
13	LACTOSE BROTH	1
14	LAMINAR AIR FLOW CABINET	1
15	LEAD ACETATE	1
16	MACCONKEY AGAR	1
17	MICRO CONCAVITY SLIDES	30
18	MICROPIPETTES	4
19	MICROSCOPE OLUMPLUS	4
20	MONOCULAR MICROSCOPE	2
21	MOTOR AND PESTLE	1
22	NIGROSIN	1
23	NUTRIENT AGAR	2
24	PEPTONE FOR BACTERIOLOGY	1
25	PETRIDISHES	85
26	PLAIN SLIDES	20
27	PLASTIC TRAYS	3
28	POTATO DEXTROSE AGAR	1
29	REFRIGERATOR	1
30	SABOURAUD DEXTROSE AGAR	1
31	SAFFRANIN	2
32	SELIWANOFFS REAGENT	1
33	SODIUM CARBONATE	1
34	SODIUM HYDROXIDE PELLETS	1
35	SODIUM NITRITE	1
36	SODIUM NITROPRUSSIDE	1
37	SPIRIT LAMPS	4
38	TEST TUBES	40
39	VOLUMETRIC FLASKS	10
40	WATER BATH	1
41	ACETONE	2
42	ABSORBENT COTTON BUNDLES	2
43	BURNERS	12
44	BROMINE	1
45	BEEF EXTRACT	1
46	AUTOCALAVE VERTICAL	1
47	AMMONIUM CARBONATE	1
48	AGAR POWDER	2
49	ACETONE EAR	2



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Sl. No.	Equipment Name	Equipment Quantity
1	VOLUME RESONATOR	3
2	AC MILLI AMMETER	1
3	BNC CONNECTION	1
4	BROAD BAND	1
5	CAREYFOST	1
6	COMPOUND PENDULUM	4
7	CONNECTION GENERATORS	1
8	CR LOW PASS	1
9	CRO	1
10	DEMORGAN	2
11	DIGITAL MULTIMETER	1
12	ELECTRICAL CIRUCUIT	1
13	FLY WHEEL	3
14	FULL ADDER	2
15	FUNCTION GENERATOR	1
16	GALVONOMETER	2
17	GLASS PLATE	1
18	HALF ADDER	2
19	HR	1
20	KIRCHOFF LAW	1
21	KNIFE EDGEKNIFE EDGE	1
22	LCR SERIES	2
23	LECHOLANCE	2
24	LENS OF LAP	1
25	LEUS OF LAP	1
26	LISSAGOUS	1
27	LOGIC GATES	3
28	MEASURING GLASS	1
29	MELDES OPERATORS	3
30	NEWTON RINGS	2
31	PHOTO CELL	1
32	PLANK CONSTANT	1
33	PLUG KEY	1
34	P-N JUNCTION DIODE	3
35	POTENTIOMETER	1
36	RECTANGULAR GLASS	1
37	RESISTENCE	1
38	RESISTENCE BOX	2
39	RHEOSTATE	1
40	SCREW GUAGE	3
41	SIGNAL GENERATOR	1
42	SLOTTED WIRE	1
43	SODIUM VAPOUR LIGHT	2
44	SPECTROMETRE	1
45	STORAGE CELL	1


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46	SWING THREAD	-
47	TAPPING KEY	1
48	TELESCOPE	1
49	THERMISTOR	2
50	TORISIONAL PENDULUM	2
51	TRANSISTOR	2
52	TRAVELLING MICROSCOPE	1
53	VERNIER CALLIPERS	3
54	100P OFF THREAD	1
55	WEIGHT BOX	1
56	WIRE GUAGE	1
57	YOUNGS EXPERIMENT	2
58	YOUNG UNIFORM	1
59	ZENOR DIODE	2
60	STEFAN'S LAW EQUIPMENT	1
61	PLANK'S CONSTANT	1
62	KIRCHAFF LAWS	1
63	GAS THERMOMETER	1


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