



Kopergaon Taluka Education Society's

K. J. Somaiya Arts, Commerce and Science College, Kopergaon

CRITERION- 4: INFRASTRUCTURE AND LEARNING RESOURCES

Key Indicator - 4.1 Physical Facilities

4.1.1 QIM: The Institute has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc.
- ICT- enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc.

Available Infrastructure and Physical Facilities

Details of Infrastructure Facilities available for teaching and learning are summarized as follows:

Sr. No.	Description/Particulars	Number
1	Academic Blocks	03
2	Class Rooms	50
3	Computer Science Laboratories	07
4	Science & Geography Laboratories	26
5	ICT enabled Classrooms	With Projector: 26 With Smart TV: 07 = 33
6	Conference Halls	02
7	Central Library	01
8	Reading Hall	02
9	Language Laboratory	01
10	Computers	323
11	Printers with Scanning and Xerox facilities	05

Details of Departments /Laboratories:

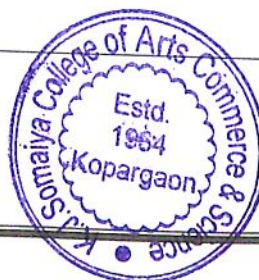
Sr. No.	Department	Name of Laboratory	Location
1	Chemistry	General Chemistry Laboratory: S - 04 (store), S - 05	Padmabhushan Karamshibhai Somaiya Science and Technology Bhavan: Ground Floor
		H.O.D. and Staff Room, Dept. of Chemistry: S - 07	
		Inorganic Chemistry Laboratory, Store room and Preparation Room: S - 08, S - 09, S - 10	
		Physical Chemistry Laboratory, Analytical Lab and DST-FIST Sponsored Instrumentation Facility Centre (IFC): S - 11, Common Gents Toilet: S - 12	
		Class Room: S-01, S-02, S-06, S-13, S-14	



2	Physics	Physics Instrumentation Laboratory: S - 30	Padmabhushan Karamshibhai Somaiya Science and Technology Bhavan: First Floor
		Electronics / Computer Laboratory: S - 31	
		Physics General Laboratory I: S - 32	
		Staff Room, Dept. of Physics: S - 33	
		Dept. of Physics (Store) & H.O.D.: S - 34	
		Physics General Laboratory II and Dark Room: S - 35	
		Post Graduate Physics Laboratory, Computer Lab, (DST-FIST Sponsored): S - 36, Ladies Wash room: S - 29	
		Class Room: S-38	
3	Mathematics	Dept. and Staff Room: S-39	
4	Computer Science (BCA /BCS)	Computer Laboratories: S - 47 B, S - 48, S - 50, S - 51, S - 52, S - 53, S - 54 = (07)	Padmabhushan Karamshibhai Somaiya Science and Technology Bhavan: Second Floor
		Dept. of Computer Science -H.O.D. and Staff room: S -55, Toilets: S - 43(Ladies Wash room), S - 65(Gents Toilet)	
		Class Rooms: S-40, S-41, S-42, S-45, S-46, S-47.	
5	Zoology (P.G.)	Post Graduate: Zoology Laboratories (02): S - 67 (M. Sc. Laboratory 01 and Store), S - 68 (M. Sc. Laboratory 02)	Padmabhushan Karamshibhai Somaiya Science and Technology Bhavan: Third Floor
		Post Graduate Dept. of Zoology +Staff Room: S - 69, Toilet S- 66	
		Class Rooms: S-71, S-72, S-73, S-74, S-75, S-77, S-78, S-79.	
6	Politics	Dept. and Staff Room: S- 84	Padmabhushan Karamshibhai Somaiya Science and Technology Bhavan: Extension Building: Ground Floor
7	Economics	Dept. and Staff Room: S- 85	
8	English	Dept. and Staff Room: S- 86	
9	Training & Placement Cell	S- 87	
10	NCC	S- 88	



11	Competitive Examination Guidance Center	S- 90	
12	NSS	S- 91	
13	History	Dept., Staff Room and Museum: S-95	Padmabhusan Karamshibhai Somaiya Science and Technology Bhavan: Extension Building: First Floor
14	Microbiology	Dept. of Microbiology: H.O.D. & Staff room: S -28	Old Science Building: First Floor
		Microbiology Laboratory (03): S -24, S -25, S -27 & Store Room: S-26	
15	Zoology (U.G.)	Dept. of Zoology, H.O.D. & Staff Room: S - 22	Old Science Building: First Floor
		Zoology Laboratories (03): S - 17, S - 21, S - 23, Store Room: S -16, Class Room: S - 18, General Store: S - 19 & Toilets: S - 20	
16	Botany	Dept. of Botany, H.O.D. Room: S -63, Staff room: S - 64	Old Science Building: Second Floor
		Botany Laboratory (06): S-56, S-58, S - 60 (Culture room), S-61, S-62, S-66 (General Store & Applied Botany Lab.) & Store Room: S -57, Gents Toilet: S - 67.	
17	Geography	Department of Geography: Head & Staff room: M - 49, Geography Computer Laboratory: M - 50	Main Building: Library Extension: Second Floor
18	Commerce	M-29	Main Building: First Floor
19	Marathi	M-26	
20	Hindi	M-1	Main Building: Ground Floor



Infrastructure for Teaching - Learning Comprises Four Separate Buildings as described below:

Sr. No.	Name of Building	Details		Floor wise Area in (Sq. Mt.)
01	College Main Building	Ground Floor	Principal Office, Chairman Room, Secretary Room, Office and Administrative Section, Faculty Room with Pantry and Store room (M-35 To 43), Sahakari Grahak Bhandar Reception Table, Waiting Areas, Department of Hindi and Research Centre(M-1), Examination Control Room (M-14), IQAC Centre (M-2), Class Rooms (M-3, M-4, M-12, M-13, M-15)	1603.06
		First Floor	Sakarben Somaiya Sabhgraha (Seminar / Conference Hall: M-34), Dept. of Marathi, Dept. of Commerce, Class Rooms(M-16,17,18,24,25,27,46) and Waiting Area	1603.06
		Terrace Floor	Solar Power Station	
02	Padmabhushan Karamshibhai Somaiya Science and Technology Bhavan	Basement	Stairs, Lifts, Corridor, Store, U.G. / P.G. Class Rooms = 04 (S-80, S-81, S-82, S-83)	682.87
		Ground Floor	Department of Chemistry: HOD and Staff Room, Store room, Chemistry Laboratories for U. G. and P. G., Class Rooms, Power Control Room and Toilets Entrance Porch, Ramps, Stairs, Lifts, Corridor, U. G. & P. G Class Rooms = 08 & (01) Department = 09	1490.93
		First Floor	Department of Physics: HOD and Staff Room, Store room, Common Staff room, Physics Laboratories for U. G. and P. G., Class Rooms and Toilets Ramps, Stairs, Lifts, Corridor, U. G. & P. G Class Rooms = 04 (S- 92, S-93, S-94, S-96)	1490.93



		Second Floor	Dept. of Computer Science: HOD and Staff Room, BCS/ BCA/ MCS Laboratories for U. G. and P. G., Conference Hall, Dept. of Mathematics, Class Rooms and Toilets	1490.93
		Third Floor	P. G. Dept. of Zoology: Staff room, Laboratories, Class rooms and Toilets	808.05
03	Old Science Building	Ground Floor	Class Rooms (02), Boys Hostel, NCC Office and Toilets	573.54
		First Floor	Dept. of Microbiology: HOD and Staff Room, Store room, Microbiology Laboratories (03) Department of Zoology: HOD and Staff Room, Store room, Zoology Laboratories (03), Class Room and Toilets	573.54
		Second Floor	Department of Botany: HOD room, Staff Room, Store room, Botany Laboratories (06), Culture room, Class room and Toilets	573.54
04	Ladies Hostel	Ground Floor	Hostel Rector's Office, Rector Quarter, Study Room, seven Living Rooms and Bathrooms / Toilets	579.95
			Separate Mess/Café for Hostel Girls	50.18
		First Floor	Registrar's Quarter and ten Living Rooms and Bathrooms / Toilets	579.95
		Second Floor	T.V. Set Room, eleven Living Rooms and Bathrooms / Toilets	579.95
		Terrace	Four set of 500 Liters Solar Water Heaters, R.O. Water Filter Unit and Water-Cooling Machine	
05	Dept. of Library Building	Ground Floor	Librarian Cabin, Books Circulation Counter, Stack Rooms (02), Reprography Section, OPAC, Toilets (02)	265.47
		First Floor	Students Reading Room (Gents & Ladies: 02), Journals and Periodical Section, News Paper Zone, Reference Section, Staff reading room, E- Zone (e- Library) Toilets: (02)	265.47



		Second Floor (Library Extension)	Dept. of Geography(M-49), Laboratory of Geography, Head and Staff room, Class Rooms (M-47,48, 50)	265.47
06	Cycle/Motor Stand	In front of Main Gate	Open and closed Shade	225.00
07	Principal Quarter	Near Ladies Hostel	Separate Bunglow	94.485
08	Canteen	Near Library	Closed Shade	66.495
09	Other Cafe	Near Ladies Hostel	Closed Shade	50.185
10	Other Toilet	Near Indoor Game Hall	Compact Shade	15.96
11	Indoor Game Hall	Ground	Compact Shade	1015.69
Total Buildup Area		Floor Wise	682.87 + 5980.76 + 4512.95 + 2909.89 + 808.05 = 14894.52 Sq. Mt.	14894.52 Sq. Mt.

Sr. No.	Building Name	Floor Wise Buildup Area in Sq. Mt.					Remark
		Basement	Ground	First	Second	Third	
1	College Main Building	Nil	1603.06	1603.06	Nil	Nil	Completed
2	Padmabhushan Karamshibhai Somaiya Science and Technology Bhavan	682.87	1490.93	1490.93	1490.93	808.05	Completed
3	Old Science Building	Nil	573.54	573.54	573.54	Nil	Completed
4	Ladies Hostel	Nil	579.95	579.95	579.95	Nil	Completed
5	Library	Nil	265.47	265.47	265.47	Nil	Completed
6	Cycle Stand	Nil	225.00	Nil	Nil	Nil	Completed
7	Principal Quarter	Nil	94.485	Nil	Nil	Nil	Completed
8	Canteen	Nil	66.495	Nil	Nil	Nil	Completed
9	Other Café	Nil	50.18	Nil	Nil	Nil	Completed
10	Other Toilet	Nil	15.96	Nil	Nil	Nil	Completed
11	Indoor Game Hall	Nil	1015.69	Nil	Nil	Nil	Completed
Total Buildup Area		682.87	5980.76	4512.95	2909.89	808.05	14894.52



List of Computing Equipments:

Dept. of Chemistry:

Sr. No	Name of Apparatus	Quantity	Year	Price
1	Calorimeter make – Equiptronic EQ- 652	01 no	2012-13	8600
2	Calorimeter make – Equiptronic EQ- 652	01 no	2012-13	8600
3	Calorimeter make – Hans 161 Kanad-	01 no	2005-06	5780
4	Conductivity Meter Make-Equiptronic Eq-661	01 no	2012-13	12700
5	Conductivity Meter Make-Equiptronic Eq-661	01 no	2012-13	12700
6	Hot Plate Make-Kumar 10''x16'' 01 kw ER-24-02	01 no	1993-94	1409
7	I. R. Lamp with Bulb	01 no	2004-05	1600
8	Magnetic Stirrer	01 no	2007-08	2800
9	Melting Point Apparatus	01 no	2004-05	3500
10	P.H Meter Make-Equiptronics EQ-611	01 no	2016-17	11040
11	Balance Digital make-Shimadzu model no-ELB-300 (300 mg) Acu.0.01gm to10mg	01 no	2016-17	13000
12	Balance Digital make-Shimadzu model no-ELB-300 (300 mg) Acu.0.01gm to10mg	01 no	2016-17	13000
13	Water Distillation Assembly Meta lab make still	01 no	2017-18	7200
14	FTIR Infrared Spectrophotometer with computer Make- Shimadzu, Model: IR Affinity- 1. High-end advanced PC based system with 32-bit Windows 2000 based IR resolution for operation on 220V / 50 Hz. Kbr Die press and pellet (ATR System Include)	01 no	2015-16	1137800
15	UV Spectrophotometer microprocessor based Make: Shimadzu Make Model: UV 1800 PC based spectrophotometer with 2 nm BW, Range: 200- 1000 nm with software	01 no	2015-16	311100
16	Ice flicker Labman	01 no	2015-16	164000
17	Mono Quartz Distillation Apparatus Make Borosil Capa. 2.5L/hr	01 no	2015-16	43500
18	Hot Air Oven Metalab Model MSI-5 Size 18x18x18 Shelves-3	01 no	2015-16	25000
19	Deep freezer ** Make: REMI, Horizontal with -20 °C Model: RQF-170 Vol.170 Lit	01 no	2018-9	98450



20	Fuming Hood -----	01 no	2015-16	110100
21	Digital balance, 35,000Citizen, Model: CY-220 Range: 0.001- 220 gm	01 no	2015-16	35000
22	Abby Refractometer BESTO- Make	01 no	2016-17	15500
23	Abby Refractometer BESTO- Make	01 no	2016-17	15500
24	Abby Refractometer [Indian] (11 th plane)	01no	2009-10	6850
25	Balance make-Citizen CTG-302	01 no	2013-14	13275
26	Balance make-Citizen CTG-302 Balance M.R.P. by N.T. Dhokale	01 no	2021-22	12500
27	Colorimeter make – Equiptronic EQ_652	01 no	2021-22	11600
28	Colorimeter make – Equiptronic EQ_652	01 no	2021-22	11600
29	Conductivity Meter Make-Equiptronic Eq-661	01 no	2012-13	12700
30	Digital Potentiometer Make-Equiptronic EQ-801 11 th Pl	01 no	2009-10	3500
31	Heating Mantel 01 lit. Capacity M.R.P. by N.T. Dhokale	01 no	2015-16	1690
32	Heating Mantel 02 lit. Capacity M.R.P. by N.T. Dhokale	01 no	2015-16	1755
33	Heating Mantel 100 ml Capacity Research Project by Dr N.R. D.	01 no	2015-16	844
34	Heating Mantel 250 ml Capacity Research Project by Dr N.R. D.	01 no	2015-16	900
35	Heating Mantel 250 ml Capacity Research Project by Dr S.B Kale	01 no	2015-16	900
36	Heating Mantel 500 ml Capacity Research Project by Dr S.B Kale	01 no	2015-16	956
37	Heating Mantel 500 ml. Capacity M.R.P. by N.T. Dhokale	01 no	2015-16	1485
38	Heating Mantel 500ml Capacity Research Project by Dr N.R. Dalvi	01 no	2015-16	956
39	I.R. lamp 11 th plane	01 no	2009-10	1100
40	Magnetic stirrer 01 Lit Capacity Research by Dr S.B Kale	01 no	2015-16	4320
41	Magnetic stirrer 01 Lit Capacity Research by Dr N.R. Dalvi	01 no	2015-16	4320
42	Magnetic stirrer 01 Lit Capacity Research by Dr N.R. Dalvi	01 no	2015-16	4320
43	Magnetic stirrer with hot plate 02 Lit Cap.Remi M.R.P.by N.T.D	01 no	2015-16	7403
44	Magnetic stirrer with hot plate 02 Lit Capacity (Remi) M.R.P.N.T.D	01 no	2015-16	12920



45	Magnetic stirrer with hot plate 02 Lit Capacity (Remi) M.R.P.N.T.D	01 no	2015-16	12920
46	Melting point Apparatus OM-15 M.R.P. by N.T. Dhokale	01 no	2015-16	4556
47	Oil bath electrical S.S. DEG with thermostats 11 th plane	01 no	2009-10	7480
48	Oil bath electrical S.S. DEG with thermostats Remedial coaching	01 no	2009-10	7480
49	Oil bath electrical S.S. DEG with thermostats Remedial coaching	01 no	2009-10	7480
50	Oven Size 35x35x35	01 no	2011-12	21000
51	P.H Meter Make-Equiptronic EQ-611	04 no	2021-22	11200 /Each
52	P.H. Meter Henna (Pen Type)	01 no	2014-15	1300
53	Pocket conductivity meter Remedial coaching	01 no	2009-10	1250
54	Pocket P.H. Meter Remedial coaching	01 no	2009-10	6500
55	poliarimeter 11 th plane Eq.801 Make-Equiptronic	01 no	2009-10	19000
56	Potentiometer Make-Equiptronic EQ-601	05 no	2021-22	6000 /Each
57	Potentiometer Make-Equiptronic EQ-601	05 no	2021-22	6000 /Each
58	TDS. Meter Henna (Pen Type)	01 no	2015-16	1300
59	Turbidity meter Make Equiptronics Eq.811-11 th plane	01 no	2009-10	6500
60	Ultra Sonicater 2000 ml cap. Research by Dr N.R. Dalvi	01 no	2015-16	16710
61	Vacuum succession pump water Jet 0.5 HP Pump S.S water tank	01 no	2013-14	21968
62	Vacuum succession pump Water Jet 0.5 HP Pump S.S. Water tank M.R.P. by N.T. Dhokale	01 no	2015-16	21968
63	Water bath S.S Remedial coaching	01no	2009-10	7480
64	Pocket P.H Meter EQ-612	06 no	2021-22	5900 /Each
65	Flame Photometer EQ-858A	02 no	2021-22	61415 /Each
66	Turbidity meter EQ-811	02 no	2021-22	11480 /Each
67	Abby Refractometer Equiptronics	02 no	2021-22	13500 /Each
68	Colorimeter EQ-652 Equiptronics	02 no	2021-22	11600 /Each
69	Microwave Synthesizer	01 no	2014-15	349312



Dept. of Botany:

Sr. No.	Name of Instrument	Quantity	Cost	Year of Purchase
1	Autoclave	01 no	24000	2011-12
2	Camera Make-Cyber shot 12.1 megapixels	01 no	150000	2011-12
3	Digital Balance –Make Citizen (App. no-01)	01 no	14400	2013-14
4	Digital Balance –Make Wenser mod-no ECB-6000	01 no	12000	2013-14
5	Binocular Make –Breaker No 750	01 no	9000	2016-17
6	Microscope Binocular research Make-Alco VXL Plus	01 no	18500	2011-12
7	Microscope monocular research Make-Almicro	01 no	22500	2011-12
8	Microscope Projection	01 no	12500	2006-07
9	Oven Make-Labin	01 no	16000	2006-07
10	Microscope Compound –Olympus /Micron/Lab line/Micro optic –Ultra Microscope Compound - Besto Make model no-7009A	41 no	Olympus- 2100 /Each Micron- 6000 /Each 10-Micro optic- 6300 14-PFS-URJA- 5900 /Each	2015-16
11	Dissecting Microscope	17 no	20400	2006-07
12	Heating Mantles 01 lit Cap META-LAB Make	01 no	2500	2018-19
13	Laminar Air Flow Horizontal Make: Microfilm Stainless steel body, Size: 4X2X2 Feet. Aluminum framed High efficiency Particulate air (HEPA) filter, with a minimum efficiency of 99.99% at 0.3 micron. Construction: Models available in laminated Finish / 18-gauge stainless steel 304. Air flow: 90 FPM (0.45 m/s)	01 no	85000	2014-15
14	Culture Rack 48x21 With UV & Fluro lamp	01 no	24500	2014-15
15	Digital balance Citizen, Model: CY-220 Range: 0.001- 220 gm	01 no	35000	2014-15
16	Incubator Make: Meta lab. Model: MSI-6 with digital display, Range: 5-60°C	01 no	28000	2014-15
17	Refrigerator	01 no	12000	2021-22



18	Trans Illuminator	01 no	12500	2013-14
19	Water Bath	01 no	13143	2013-14
20	Mixer	01 no	1200	2021-22
21	Rain Gauze	01 no	500	2005-06
22	Cooker	01 no	1050	2021-22
23	Stage Micrometer PFS Urja	03 no	850 /Each	2021-22
24	Camera Lucida, Micro type	03 no	1000 /Each	2021-22
25	Micrometer Eye piece	03 no	750 /Each	2021-22
26	PH meter EQ 610 A Dual Display Micro Processor base	02 no	11500 /Each	2021-22
27	Colorimeter ER 650	01 no	11000	2021-22
28	Centrifuge (Remi)	01 no	8200	2021-22
29	Distilled water plant 04 lit/hr.	01 no	10000	2021-22
30	Electrophoresis (Horizontal Gel EQ 760)	01 no	13500	2021-22
31	Thermometer	02 no	150 /Each	2021-22
32	Conductivity meter WQ 661	01 no	18000	2021-22
33	Oxygen Meter (Dissolved)	01 no	17500	2021-22
34	Magnetic Stirrer 01 lit cap	01 no	6800	2021-22
35	Electrophoresis power supply EQ 751	01 no	13000	2021-22
36	Steel Pruning knife	02 no	600 /Each	2021-22
37	Pocket PH meter (Digital)	01 no	2000	2018-19
38	Camera Lucida Micro type (Besto)	03 no	1200 /Each	2018-19
39	Micro meter Eye piece	03 no	1100 /Each	2018-19



Dept. of Zoology:

Sr. No.	Name of Item	Year	Price Rs.	Quantity
1	PH meter –Make Equiptronics	2017-2018	9400	01 no
2	Compound microscopes	2017-2018	135300	31 no
3	Dissecting microscope	2017-2018	18500	10 no
4	Incubator Make-Ambassador	2017-2018	8500	01 no
5	Microtome AO Spencer 820 Type Make-Almicro M.R.P. / Dr. R. D. Gawali	2013-2014	39500	01 no
6	Digital Colorimeter Equiptronics EQ -651---- M.R.P. /Dr. R. D. Gawali	2013-2014	9500	01 no
7	Centrifuge clinical cap-6x15 ml Remi-Make model no-C-854/6 M.R.P. /Dr. R. D. Gawali	2013-2014	5000	01 no
8	Water bath Electrically heated 6 Hole Single Walled Stainless Still M.R.P. /Dr. R.D. Gawali	2013-2014	8700	02 no
9	Sony cyber Shot Still Camera DSC-HX9V-Sr No-2383796 M.R.P. / Dr. N. G. Shinde	2012-2013	20800	01 no
10	Water Analyzer Kit Make Elico M.R.P. / Dr. N. G. Shinde	2012-2013	58500	01 no
11	Portable GPS- satellite Receiver Brand-Garmin model-ETREX -30 M.R.P. / Dr. N. G. Shinde	2012-2013	15000	01 no
12	Digital Balance make citizen/Aczet 300 gm cap.	2018-2019	15000	01 no
13	Hot Air Oven 18x18 Make –Meta-lab	2018-2019	26500	01 no
14	Hot plate 12x18	2018-2019	7900	01 no
15	Microtome, Make: Yorco, Model No: YSI-114 Feed adjustable from 1-50 microns in steps of 1 micron	2018-2019	38000	01 no
16	Refrigerated Centrifuge Make: Remi, Model: CM-12, Max. RPM: 16000 rpm, Max. Rcf.: 17500 with 0°C Max. capacity: 400ml Angle head rotor with tapered bottom PP tube 24 X 1.5 ml Model: RM- 1215	2018-2019	93800	01 no



17	Trinocular Microscope Olympus Model No-CH20iBiMF Sr. No 14c0516	2018-2019	35000	01 no
18	Angle Head Remi Centrifuge Rotor	2018-2019	6797	01 no
19	Water bath Thermostatic	2018-2019	10400	01 no
20	Dissecting Microscope	2019-2020	17880	06
21	Compound Microscope	2019-2020	58800	07
22	Trinocular Microscope	2019-2020	23950	01
23	USB Camera 5.0 MGP	2019-2020	28000	01
24	Submarine Gel Electrophoresis	2019-2020	12330	01
25	Vertical PAGE Gel	2019-2020	13140	01
26	Electrophoresis Power Supply	2019-2020	28600	01
27	Micropipette Variable 02-20	2019-2020	3000	01
28	Micropipette Variable 10-100	2019-2020	3000	01
29	Micropipette Variable 100-1000	2019-2020	3000	01
30	Weswox Senior Rotary Microtomes	2020-2021	94518	02
31	Dual Beam Digital Spectrophotometer, microprocessor based, P C compati.	2020-2021	79650	01
32	Digital Photoelectric Colorimeter, microprocessor based, P C main cum Rech.	2020-2021	23664	02
33	All Glass Single Distillation Unit, Borosil – 4 liter capacity	2020-2021	42692	01
34	Distillation Apparatus power supply (DAPS)	2020-2021	13094	01
35	Tissue Homogenizers	2020-2021	18880	02
36	Burette stands	2020-2021	10608	26
37	Dropping bottles	2020-2021	1632	24
38	Chromatography Jars	2020-2021	11628	12
39	Coupling Jars	2020-2021	3672	36



40	Micrometer Screw Gauze and Vernier Caliper	2020-2021	525	01 + 01
41	Glass wares and Chemicals	2020-2021	20082	Adequate no
42	Ocular / Stage Micrometer	2021-2022	450	01
43	WHA Filter paper no 1	2021-2022	9862	100
44	Neuber's chambers / Counting chambers	2021-2022	3240	02
45	W.B.Cs Pipettes	2021-2022	198	02
46	Stains, Reagents and Chemical and other materials	2021-2022	8000	Adequate Qty.
47	Rocket, Immuno Electrophoresis, SPR timed	2022-2023	4023	01
48	HTI005 Immuno Electrophoresis, SPRH media	2022-2023	3124	01
49	Leica S18 High Profile Blade	2022-2023	9500	01
50	Glass wares, Stains, Chemicals and apparatus etc.	2022-2023	71257	Adequate no.



Dept. of Physics

Sr. No	Title	Year	Price in Rs.	Quantity
1	Frank and Hertz Experimental Setup	2015-16	39500	01
2	Electron Spin Resonance Spectrometer	2012-13	32800	01
3	Hall Effect Experiment	2012-13	56900	01
4	Plank Constant Apparatus	2012-13	15600	01
5	1 MHz Function Generator with 50 MHz Frequency Counter	2012-18	91152	10
6	Aplab 20 MHz Dual Trace Oscilloscope	2012-18	161814	08
7	25 MHz Digital Storage Oscilloscope	2012-13	26000	01
8	Michelson Interferometer	2012-13	68000	01
9	Geiger-Muller Counting System	2012-13	52000	01
10	Power Supply Transformer	2012-13	25000	01
11	Fabry-Parot Etalon	2012-13	70500	01
12	Hallow Prism Spectrometer	2012-13	18000	01
13	PID Controller	2018-19	24000	01
14	Multi-frequency Ultrasonic Interferometer	2005-06	168800	02
15	e/m Thompson Method	2012-13	2180	02
16	Constant Temperature Bath	2012-13	41000	01
17	Digital Balance	2012-13	35000	01
18	Apparatus for Measurement of Susceptibility of Solid by Gouys Method	2012-13	165000	01
19	Experimental Setup for Digital to analog Converter	2012-13	17000	01
20	Experimental Setup for LVDT Transducer	2012-13	20500	01
21	Stefan Constant for Black body Radiation	2012-13	6500	01
22	Four probe method DEP-03	2015-16	28000	01
23	App. for Velocity of Sound by Phase Shift Method	2015-16	26500	01
25	Aplab 20 MHz Dual Trace	2017-18	93015	04
26	Aplab 3 MHz Multi Wave from Signal Generator	2017-18	53662	05
27	Preset Regulator DC Power Supply	2017-18	38250	05
28	Dual Output Present DC Power Supply	2017-18	31500	03
29	Experimental Setup for PID Controller	2018-19	24000	01



Dept. of Microbiology:

Sr. No.	Name of Item	Year	Price	Quantity
1	Autoclave vertical -Bio-Tech India Model no-12002 ---12x20''Size2000 watts Sr No-1524 .6630dia*50 hts 35liter cap digital temp indicter	2009-10	38000	01
2	Naubeaur chamber	2009-10	1000	01
3	Calorimeter make – Equiptronics EQ_650A	2011-12	6800	01
4	Stage micrometer App.no 1	2011-12	1950	02
5	Compound microscope -micron Optik KG5	2014-15	6500 /Each	10
6	Plasmid DNA Preparation combo kit Submarine Gel Electrophoresis unit With Power pack	2015-16	15100	01
7	Digital Colorimeter EQ – 652-	2016-17	10000	01
8	Hot Air Oven- Omkar instruments	2016-17	14741	01
9	Membrane Filtration assembly with conical flask Vacuum motor	2016-17	12994 590 24056	01
10	Mini Centrifuge-REMI	2016-17	6440	01
11	Remi –Mini Rotary Shaker Clamp-250 ml/100 ml flask /Each	2016-17	21000 400 300	01
12	Vortex Cyclomixer REMI CM-101 Plus	2016-17	7300	01
13	Digital Balance- citizen	2017-18	12096	01
14	Bacteriological Incubator -Meta lab	2017-18	18713	01
15	Microscope Binocular- Labomed microscope	2019-20	30397	01
16	Refrigerator -LG	2020-21	22300	01
17	Incubator -metalab	2020-21	12900	01
18	Calorimeter – Equiptronics EQ_650A	2020-21	9000	01
19	Compound Microscope- micron Optik KG5	2020-21	8750	05
20	Water Bath –Metalab	2020-21	9400	01
21	Autoclave - metalab	2020-21	76995	01
22	Soxalet extraction apparatus	2021-22	29997	01



Department of Sports and Physical Education

❖ The institution has adequate facilities for sports, games, (Indoor, Outdoor), Gymnasium, Yoga Centre etc.

The Department of Sports & Physical Education established in 1964 which provided excellent sports facilities and fully equipped Gymkhana, Gym Facilities also available to students. Smith machine, Weight lifting set, Exercise ball, Trade Mail, 3 Bench, Cable Cross Over machine, High Lat Pully machine, Peck Deck machine, Plate Stand, Dumbbells rack, A/B Crunch machine, Leg Curl machine, Leg Press machine, Dumbbells, Plate, Rod available in Gym. Two open gym also available for student. One 6 station Open gym available in Girls Hostel for college girl & hostel girls with Air Walker, Seating & Standing Twister with leg press, shoulder builder, Surf Board, Cross Trainer, Big Size Surf Board. Other Open Gym available in front of Indoor hall for college students Single Bar, Double Bar, Air Walker, Seating & Standing Twister, Shoulder builder. UGC sponsored Indoor Sport Facility Hall with 2 Synthetic Badminton Court. Hall Open for Students, Staff & Kopargaon Society people also morning 6.30 a.m. to 7 p.m. College students are given training in all sports to take part in Inter-college level, Inter-Zonal Level, Inter-university Level, State Level, National Level and International Level competition. Our college Physical Director regularly train to students for participating in various competition also physical fit in daily life. Sports such as Baseball, Softball, Cricket, Badminton, Table-Tennis, Athletics, Fencing, Volleyball, Kabaddi, Kho-Kho, Yoga etc.

To motivate college Students College provides incentives like traveling allowance, dearness allowance, Sports Kit & Track Suit to winner and participants. The college earlier has sufficient playground but after the construction of extended Padmabhushan Karamshibhai Somaiya Science and Technology Bhavan building, we felt of playground. The parent institute runs Lions Deaf, Dumb and Physically Handicapped School quite adjacent to the college. For the purpose of 200 Mtrs six lanes running track and other sports activities like soft ball, cricket, baseball, running events, kabaddi, kho-kho, the college uses playground of the school as mutually agreed by both the institutions. The area and other details of ground are as follows:

1. Total area of ground - 5700 Sq. Mtrs (60 X 95 Mtrs)
2. Obstacle ten station -
3. Shooting wall
4. Basketball court



Outdoor and Indoor Sports Facility available

Sr. No	Outdoor Sports	Indoor Sports
1	Baseball	Badminton
2	Softball	Table-Tennis
3	Cricket	Yoga
4	Kabaddi	Fencing
5	Kho-Kho	Kabaddi
6	Athletic	Chess
7		Wrestling
8		Chess
9		Weight-Lifting
10		Power-Lifting
11		Judo
12		Kursha

- **Our Department run Short Term Course in Yoga for college students every year.**
- **Every Year we are organized Badminton Summer Camp & Matches for Children's in month of April & May.**



➤ Competition Organized 2018-19 To 2022-23

Year	Event Name	Level	Team Participation
2018-19	Inter-zone Volleyball (Women) competition	Inter-zone	4
2018-19	Inter-College Cricket (Women) competition	Inter-College	5
2018-19	State Level Badminton competition	State Level	
2018-19	Inter-College Softball (Women) competition	Inter-College	5
2018-19	Baseball Selection Trail (Men & Women)	District	
2019-20	Volleyball (Women)	Inter-zone	4
2019-20	State Level Badminton Competition (Men & Women)	State Level	
2019-20	Softball (Women)	Inter-College	4
2019-20	Baseball Selection Trail (Men & Women)	District	1
2020-21	FIT INDIA CYCLOTHON Rally	College Level	
2021-22	Baseball (Men)	Inter-College	6
2022-23	Softball (Women)	Inter-College	5
2022-23	Volleyball (Men)	Inter-zone	4
2022-23	Softball (Women)	Inter-College	5
2022-23	Softball (Women)	Inter-zone	4
2022-23	State Level Badminton competition	State Level	
2022-23	Staff Cricket Competition	College level	4
2023-24	Softball (Women)	Inter-College	5
2023-24	Baseball (Men)	Inter-College	6
2023-24	Softball (Women)	Inter-Zone	4



➤ **Indoor Sports Facility**

1. Karate, Kursha, and Taekwondo.
2. Boxing Facility
3. Fencing facility
4. Weight lifting Set

➤ **Outdoor Sports Facility: -**

1. The college has spreading & attractive playground (90 meter * 54 meter) 4,860 sq. meter where students develop their fitness, skill , Carrier & all outdoor sports practice.
2. 200 m running track with 6 line having Athletics events.
3. Kabaddi Play Field.
4. Kho-Kho Court.
5. Volleyball Court.
6. Baseball & Softball Ground.
7. Archery sports
8. Gym with 20 station around 1506.97 sq.ft also available to student for fitness.
9. Open Gym in front of Indoor Hall 5 station 698.54 sq.ft for society & College students.
10. Cricket Sports facilities
11. Football Sports facilities

➤ **Students Fitness Measure Various Test: -**

1. Body Mass Index Measure Test.
2. Body Fat Analyser Test.
3. Body Flexibility Test.
4. 12 min Run & Walk test for Cardio Vascular Endurance.
5. Muscular Strength & Endurance Test.
6. Bip Test for Cardio Vascular Endurance.



➤ **Students Participation: -**

Year	International / National Medal	National / State Participation	Zone Participation	Competition Organized	Team Participation in I/C level
2022-23	05	12	36	04	17
2021-22	05	10	35	01	16
2020-21	08	03	Covid Situation	Covid Situation	Covid Situation
2019-20	04	09	45	02	20
2018-19	04	26	47	04	19

➤ **List of some expensive sports Equipment Purchase During 2018 to 2023.**

No	Name of Equipment	Cost of Equipment	Year
1	Shoulder Builder Machine	30,107	30 th Dec 2016
2	Seating & Standing Twister	40,560	
3	Air Walker	29,578	
4	Adjustable Bench	8,810	30 th Dec 2016
5	Cable Cross Over	41,116	
6	High Lat Pully C.I 75 k.g	20,558	
7	Multifunction Bench	7,049	30 th Dec 2016
8	Peck Deck	23,495	
9	Squat Machine C.I. 80 k.g.	20,558	
10	Dumbbells Rack	5,874	
11	Softball Slugger (Nighthawk)	13,000	1 st Sept 2017
12	Baseball Slugger (Easton)	13,600	10 th Oct 2018
13	Kabaddi Mat	2,15,000	2018-19
14	Badminton Synthetic Court Mat 7mm	2,97,000	23 rd Mar 2019
15	Cricket Bat BAS	8,600	23 rd Sept 2019
16	Baseball Catching Pad	4,200	21 st April 2022
17	Baseball Batting Helmet	2,016	21 st April 2022
18	Cricket Helmet	2,520	21 st April 2022
19	Pitching Machine (Leverage)	1,66,600	28 th Dec 2022
20	Weight Lifting Bar	3,998	28 th Dec 2022
21	Fencing Electric Mask	9,200	28 th Dec 2022

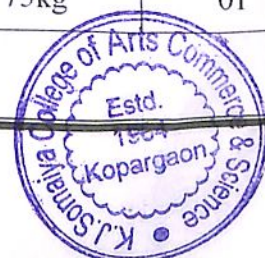


➤ Equipment in Department: -

Equipment Name	Quantity	Cricket	Quantity
Athletics		Ball	05
Starting Block	01	Bat	03
Button	04	Catching bat small	01
Javelin	04	Batting Gloves	00
Discuss	06	Batting Pad	00
Hammer Throw	03	W/K Pad	--
Shot-Put	06	W/K Gloves	--
Spike (Running)	04	Cricket Helmet	00
Clapper	00	Tennis Ball	03
Hurdles	04	Stump (Spring Set)	00
Stop Watch	02	A.D Guard	01
Ankle Weight	02	Thigh Pad	--
Resistance Tube	01	Pop-Up Net	01
Archery		Tennis Cricket Bat	--
Bow	02	Carom	
Arrow	14	Board	02
Boxing		Stand	02
Gloves	03	Chess Board	06
Head Guard	02	Chess	
Punching Bag	01	Clock	01
Baseball		Fencing	
Baseball	11	Sword	03
Slugger	03	Mask	02
Gloves	12	Dress	02
Chest Pad	01	Body Wire	00
Leg Pad	00	Gloves	02



Batting Helmet	03	Hand-ball	
Catching Mask	01	Ball	--
Baseball Synthetic Ball	14	Net	01
Basketball		Goal post	01
Ball Nivia	02	Softball	
Net	02	Softball slugger	02
Pole	--	Ball	18
Badminton		Shin pad	01
Racket simple	05	Mask	02
Racket advance	03	Batting Helmet	02
Shuttle (Feather)	01 box		
Shuttle (Plastic)	01 box		
Pole	02		
Net	02		
Ball Badminton			
Ball	9		
Racket	15	Weight Machine	01
Net	01	Football	03
Hockey		Ball	04
Helmet	--	Gym Equipment	
Chest Pad	--	7 station Gym	--
Kho-Kho		Weight Lifting Set	01
Kho-Kho Pole	01	Rowing Machine	--
Lawn Tennis		Cycle	--
Racket	02	Parallel Bar	01
Pole	--	Single Bar	01
Net (Nylon)	--	Exercise ball	01
Volleyball		Trade Mile	01
G20-20 ball	--	Bench	03
Spartan Ball	--	Cable Cross Over	01
Basic Volleyball	--	High Lat Pully 75kg	01



Cosco volleyball	02	Peck Deck 75kg	01
Net		Smith machine	01
Cotton	--	Plate Stand	01
Nylon	01	Dumbbells Rack	01
Pole	02	A/B Crunch Machine	01
Antina	--	Leg Curl 80kg	01
Wrestling		Leg Press 80kg	01
Mat	13	Air Walker	01
Cover	01	Shoulder Builder	01
Table-Tennis		Standing & Seating Twister	01
Table	02	Dumbbells 2.5 kg * 6 nos 5 kg * 4 nos 7.5 kg * 6 nos 10 kg * 6 nos 15 kg * 04	06 04 06 06 04
T.T. Ball	13	Plate 2.5 kg * 6 nos 5 kg * 4 nos 7.5 kg * 6 nos 10 kg * 6 nos 15 kg * 04	06 04 06 06 04
T.T Net	02	Rod 6 ft * 02 5 ft * 02 4 ft * 02 3 ft * 02	02 02 02 02
Racket	03	Running Parachute	01
Mat		Ankle Knee Cap	04 03
Rubber Mat	04	Baseball Synthetic	14
Crush Mat	01	Weightlifting Bar	02
		Cricket Net	02
Air Pump	01	Pitching Machine (Leverage)	01



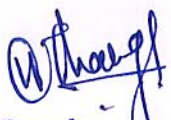
Measuring Tap	01	Cone - Medium small	10 10
Office Store Room		Computer set	01
Red Rolling Cheer	01	Scanner	01
White Board	01	Printer	01
Notice Board	01	CCTV Camera (Gym)	02
Mirror (Big Size)	09	UPS	01
Steel Cupboard	03	Kabaddi Mat 1* 1 mtr	200
Watch	01		
Chair Plastic	05		
Wooden Rack	01		
Table Glass	01		
Table	02		

Cultural Activities


❖ Infrastructure for Cultural Activities:

Infrastructure for cultural activities is made available to the cultural department by the institute. A multi-purpose hall is available for practice sessions. Activities like street plays, one act play, Mime, dance, Singing etc. are run by the department. An auditorium with all facilities is available for organization of various cultural activities.

The cultural department is well equipped with following instruments and gadgets like *Harmonium, Tabla, Dholki, Dhol, Tasha, Zaanj, Pipani, Sambal, Key board / synthesizer, Flutes, Muoth organ, Khanjiri, Zaanj, Taal, Chiplya*, two mikes with portable Speaker etc. Student artists are provided with particular dresses as a dress code by the institute. Travelling facilities are made available by the institute for participating students in various cultural competitions across the state. Students of the department have won many prizes at district, University and state level competitions.


Coordinator
IQAC, K. J. Somaiya College
Kopargaon, Dist. A.Nagar




Principal
K. J. Somaiya College of Arts
Commerce & Science, Kopargaon