



SADHU VASWANI MISSION'S
St. Mira's College For Girls, Pune
Autonomous (Affiliated to Savitribai Phule Pune University)
Reaccredited by NAAC- A Grade, cycle 3
[ARTS, COMMERCE, SCIENCE ,BSc(Computer Science), BBA, BBA(CA)]
6,Koregaon Road,Pune-411001. [INDIA]
Ph./Fax: 26124846; Email: info@stmiracollegepune.edu.in
NAAC 3rd Cycle – A Grade

PU/PN/AC/015/(1962)
College Code:- 013

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for

Teaching – learning, viz., classrooms, laboratories, computing equipment etc

Description

- **Lab equipments (Psychology and Electronics lab)**
- **Infrastructure Document**

2022-23





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LIST OF EQUIPMENTS IN THE PSYCHOLOGY LAB

1. Wiggly blocks
2. Reaction time apparatus
3. Muller Lyer apparatus
4. Bilateral transfer tracing apparatus
5. Constant stimuli (weights box)
6. Serial learning apparatus
7. Maze learning apparatus

LIST OF MATERIALS IN THE PSYCHOLOGY LAB

1. Verbal Conditioning Cards
2. Blind folds
3. Stop Watches
4. Wooden Screen

Psychology Lab Test

1. Koh's block design test
2. Standard progressive matrices
3. Pramod Kumar, Marriage attitude scale
4. LN Dubey and ArchanaDubey, Sentence Completion Test
5. Eyesenk's Personality Questionnaire- Revised (EPQ- R)
6. Passi Test for Creativity
7. Rosenberg's Self Esteem Scale





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8. Adjustment Inventory by M.N. Palsane
9. Sinha's Comprehensive Anxiety Test (SCAT)
10. Study habits inventory by M.N. Palsane
11. R.K. Ojha Value Scale
12. Adjustment Inventory, English
13. Malin's Intelligence scale for Indian children
14. David's Battery of Differential Abilities (DDB)
15. Career Preference Record (CPR)
16. Smith's Stress Symptoms Inventory
17. Divergent Thinking Test
18. Perceived Parenting Scale

IT INFRASTRUCTURE IN THE PSYCHOLOGY LAB

1. Smart TV- For the use of Faculty with internet connectivity





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LIST OF EQUIPMENTS IN ELECTRONICS LAB

Following are the Instruments / Tool list available for B.Sc. computer Science.

Electronic server PC with UPS

Sr.No.	Instruments / Tool	Qty.
1.	Dual DC. Regulated Power Supply.	1
2.	CRO	4
3.	Signal Generator	3
4.	Dimmer stat	1
5.	CRO Probe	10
6.	Digital Multimeter	5
7.	Solder Gun with metal & stand	1
8.	Cutter	1
9.	Stapler	1
10.	9 - Volts Batteries	5
11.	Screw driver	3
12.	Micro- Ammeter (Current meter, 0-500)	1
13.	Charts	5
14.	Computers	13
15.	Printer	1
16.	Speaker for computer	1
17.	Solder metal	1 Roll





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Experimental kits for S. Y. B. Sc. Electronics Lab.

Sr. No.	Name of the Experimental kit	Qty
1.	Time division multiplexing.	1
2.	P.N sequence generator	1
3.	Hamming code	1
4.	FSK	1
5.	Microcontroller	2
6.	LCD	2
7.	Thumbwheel switch	1
8.	Waveform generator using IC-8038	1
9.	Stepper motor controller.	1
10.	Seven segment display	1
11.	Opto-Interruptor	1
12.	D. C. Motor Controller	1
13.	Modulating signal generator	1
14.	Temperature sensor using AD-590	1
15.	S.M.P.S. using IC-3524	1
16.	Flash / Parallel ADC	1
17.	Raspberry pi kits	4
18.	LORA	2
19.	GSM	1
20.	RFID	1
21.	Official USB-C Power Supply	6
22.	Various connecting wires /chords etc	50





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Experimental kits for F.Y.B.Sc. Electronics Lab.

Sr. No.	Name of the Experimental kit	Qty
1.	Study of Components.	2
2.	Study of Logic gates & De-Morgan's law	1
3.	4:1MUX. & 1:4 Demux.	2
4.	Rectifier's circuits.	1
5.	Thumbwheel interface to seven segment display (IC 7447)	1
6.	Transistor Characteristics.	1
7.	RC Phase shift oscillator.	1
8.	Zener regulator.	1
9.	RS & D Flip-Flop.	1
10.	Diode matrix ROM using decoder.	1
11.	Op-amp as Adder or Subtractor.	1
12.	Astable Multivibrator using IC 555.	1
13.	Nibble adder & Subtractor.	1
14.	S.M.P.S.	2
15.	. Flash / Parallel ADC	1
16.	Study of Single stage RC coupled CE amplifier.	1
17.	Intercoversion of logic gates.	1





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• Infrastructure Document



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IT Infrastructure - 2022-23

Class Rooms

Sr. No.	Class Room No.	LCD Projectors	New Update	Date	Quick Heal Renewal	Wi-Fi/ LAN	Smart Boards	Computers	Servers	Printer	Firewall	Air Coolers/A C
1	2	---				1 Wifi	---	---	---	---	---	---
2	3	---				1 Wifi	---	---	---	---	---	---
3	4	---				1 Wifi	---	---	---	---	---	---
4	5	---				1 Wifi	---	---	---	---	---	---
5	6	---				1 Wifi	---	---	---	---	---	---
6	7	---				1 Wifi	---	---	---	---	---	---
7	8	---				1 Wifi	---	---	---	---	---	---
8	101	---				1 Wifi	1	---	---	---	---	---
9	102	---				1 Wifi	---	---	---	---	---	---
10	103	---				1 Wifi	---	---	---	---	---	---
11	104	---				1 Wifi	---	---	---	---	---	---
12	105	---				1 Wifi	---	---	---	---	---	---
13	106	---				1 Wifi	---	---	---	---	---	---
14	107	---				1 Wifi	---	---	---	---	---	---
15	108	---				1 Wifi	---	---	---	---	---	---
16	109 CWE	---				1 Wifi / 4 LAN	---	4	---	---	---	---
17	110	---				1 Wifi	---	---	---	---	---	---
18	111	---				1 Wifi	1	---	---	---	---	---
19	112	1				1 Wifi	---	---	---	---	---	---
20	113	---				1 Wifi	---	---	---	---	---	---
21	114	---				1 Wifi	---	---	---	---	---	---
22	115 (English Language Lab)	---				15 LAN / Wifi	---	15	---	---	---	---
23	116	---				1 Wifi	---	---	---	---	---	---
24	201	---				1 Wifi	---	---	---	---	---	---



Jaysh
Principal Incharge
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Sr. No.	Class Room No.	LCD Projectors	New Update	Date	Quick Heal Renewal	Wi-Fi/ LAN	Smart Boards	Computers	Servers	Printer	Firewall	Air Coolers/A C
25	202	---				1 Wifi	---	---	---	---	---	---
26	203	---				1 Wifi	---	---	---	---	---	---
27	205	---				1 Wifi	---	---	---	---	---	---
28	210	1				1 Wifi	---	1	---	---	---	---
29	211 Psy lab	---				1 Wifi	1	---	---	---	---	---
30	212	1				1 Wifi	---	1	---	---	---	---
31	301	1				1 Wifi	---	1	---	---	---	---
32	302	---				1 Wifi	1	---	---	---	---	---
33	303	1				1 Wifi	---	1	---	---	---	---
34	304		Smart Board	11.7.2022		1 Wifi /1 Lan	1	---	---	---	---	---
35	305	1				1 Wifi	---	1	---	---	---	---
36	306 (BCS Lab)	1				60 Lan/ 1 Wifi	---	60	2	1 (dot matrix LX 300)	1 (2018-19)	1 AC
37	307 (Stats Lab)	1				18 Lan /1 Wifi	---	18	---	---	---	---
38	308	1				1 Wifi /1 Lan	---	1	---	---	---	---
39	309		Smart Board	11.7.2022		1 Wifi	1	1	---	---	---	---
40	310	1				1 Wifi	---	1	---	---	---	---
41	311	---				1 Wifi	---	---	---	---	---	---
42	312 (Electronic Lab)	1				1 Wifi /13 Lan	---	13	---	---	---	---
43	314	1	Projector	23.3.2023		1 Wifi	---	1	---	---	---	---
44	IT Lab	1				2 (TATA & BSNL) 23 LAN /1 Wifi	---	23	1	1 HP Printer Laser jet (2018-19)	---	1 Air Cooler



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45	BCA Lab	1				1 Wifi /36 Lan	---	36	---	2 (dot matix - 2 LQ1150)	---	---
46	Divyang Unit (1st Floor Library)	---				1 Wifi /1 Lan	---	1	---	---	---	---
47	Digital Library (2nd Floor Library)					1 Wifi / 7 Lan	---	7				
48	Research Center					1 Wifi / 1 LAN	---	1	---	---	---	---
49	CLLL		Smart Board	27.3.2023		1 Wifi	1	---	---	---	---	1 AC+1 Air Cooler
		14				180 L, Wifi-49	7	187	3	4	1	

Total Printers - 14 (labs-4+Offices-9+Library-1)
 Total Projectors - 14
 Total computers -239 (Classroom & labs-187+Offices16+Library16, Seminar Hall-2)
 Exam Cell-9, Cubical- 9

Total Smart Boards -7
 Total Server - 6 (IT Lab, Office, Lib 1st Floor, Exam Cell, BCS lab -2)
 Total Air Cooler - 4 Exam Cell, 1 IT Lab



Jaya
Dr. Jaya Rajagopalan
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Office

Sr. No.	Location	LCD Projectors	Wi-Fi/LAN	Quick Heal Renewal	Computers	Printers	Scanners	xerox	Server	Speakers	LCD TV	Shredder	AC / Air Cooler	Software	Accessories
					New	Existing									
1	Principal office	---	Wifi / 2 Lan	1/3/2023		1 IMAC laptop 1 Computer	1 Printer				1		1 AC	1 License MS office	CCTV SMPS, HDMI cable
2	VicePrincipal office	---	Wifi / 1 Lan	11/1/2022		1	1 Printer							1 quickheal	
3	Administration office	1 Portable Projector	Wifi / 14 Lan	11/1/2022	1	13	3 Laser Printer	1	2	1				ISM, 14 quickheal	1 EPBAX
4	IQAC Office	---	Wifi / 2 Lan			2	1 (1020-HP Laser Printer)							2 quickheal	
5	Exam Cell	---	Wifi / 6 Lan	9/1/2022	1	8	3 Laser Printer	1	3	1		1	4 Air cooler	Shreelipi, 9 quickheal	
6	Teachers Cubical	---	Wifi / 8 Lan	8/6/2022		8								8 quickheal	
	Pscy cubical Room no.211	---	Wifi / 1 Lan			1								1 quickheal	
8	Miscellaneous IT updates													1 (Moodle), 1 website domain registration, 1 Website development for NAAC	
						36 computer + 1 Mac laptop		2	5	2	1	1	1 AC, 4 Air cooler		



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					New	Existing									

Library

Sr. No.	Location	LCD Projectors	Wi-Fi/LAN	Quick Heal Renewal	Computers	Printers	Scanners	xerox	Server	Speakers	LCD TV	Shredder	AC / Air Cooler	Software	Accessories
					New	Exist									
1	1st Floor Library	1	Wifi / 8 Lan	3/10/2022	---	8	1 Dot matrix	1	---	1	---	---	---	SLIM	
2	2nd Floor Library	---	Wifi / 14 Lan	23/02/2033	---	2	---	---	1	---	---	---	---	SLIM	
					10		1	1	1	1					



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