



**SENGAMALATHAYAAREEDUCATIONALTRUSTWOMEN'SCOLLEGE
(AUTONOMOUS)**

SUNDARAKKOTTAI,MANNARGUDI-614016.

(Accredited By NAAC) | (AnISO 9001:2015CertifiedInstitution)

DETAILS OF PHYSICAL INFRASTRUCTURE

2023-2024

INFRASTRUCTURE DETAILS

The Institution is situated in an area of 2,73,162.8 sq.mts., in the Sundarakkottai village, Mannargudi Taluk, Thiruvarur District, Tamil Nadu. Institution provides quality education to women in this rural area through updating the infrastructure facilities by providing ICT gadgets to enhance the processes of effective teaching and learning and to meet out the changing need of higher learning. There are about nine blocks, which covers 97 classrooms, 23 laboratories including one Animal house, Biominin Laboratory, Bio floral Product Development and Research Centre, three Seminar halls, two Auditorium, Vermicomposting unit, Edible Mushroom unit, Hostel with academic amenities and Canteen. Lifts and Ramps are also available.

S. No.	Infrastructure	Number	Area (in Square feet / Acres)
1	Campus land Built up area		2,73,162.8 Sq.m./ 2,76,520 Sq.ft
2	Class Rooms	97	58,364sq. ft.
3	Laboratory (to be given Dept. wise)	23	26583.25 sq. Ft
4	Staff Rooms	14	7,702 sq. Ft
	Library	02	7046.06 sq. Ft
	Seminar Hall	03	14,116 sq. ft.
	Play Ground Other sports – facilities (indoor stadium)		44,220 sq.ft.
	Cricket ground		63,550 sq.ft.
5	Auditorium	02	20,250 sq. Ft
6	Other facilities: Canteen,	02	1,200 sq. Ft
	Co-Operative Stores,	01	620 sq.ft
	NSS	01	600 sq. Ft
	NCC etc.	01	900 sq.ft
7	Hostel (Ground Floor + 3 floors)	01	1, 04,000 sq.ft.
7	Lift	04	
8	Generators	09	
9	Solar Power Plant	20KW	
10	Transport – College Buses	44 nos 1 Van 2 cars 1 Ambulance 1 Tata Magic 1 TataACE	
11	Water Tank	6	2,08,923.39 ltrs Capacity

Details of location, area of the laboratories of the departments

S.No.	Departments	Lab details	Location*	Size in ft. (l x b)	Area (Sq.ft.)
1	Biochemistry	Lab I	Vivekanandan Block – GFC4	(30 x 20)	1,750
		Lab II	Vivekanandan Block – GF C5	(46 x 25)	
		Lab III (Animal House)	V.S. Block – GF	68 x 27 10 x 10	1,836 100
2	Chemistry	Lab I	G.N. Block – IF	69 x 21	1,449
		Lab II	G.N. Block - IIF	69 x 21	1,449
3	Computer Science & M.C.A	Lab I	Vivekanandan Block – IF C4	46 x 25	1,150
		Lab II	Vivekanandan Block – IF C5	30 x 20	600
		Lab III	Internet Lab - IF	28 x 25	700
		Lab IV	Dr.V.V.Block - IIF	61 x 20	1,220
		Lab V	Dr.V.V.Block- IIF	61 x 20	1,220
		Lab VI	T.V.S. Block - IIF	80 x 34	2,720
4	Microbiology	Lab I	Vivekanandan Block – IF B4, B5	(30 x 20) + (46 x 25)	1,750
		Lab II	V.S. Block – IF (Centralized instrumentation lab)	68 x 27	1,836
		Lab III	Biomimin Lab – GF (STET Garden)	30 x 50	1,500
		Lab IV	Tissue Culture Lab – IF	30 x 50	1,500
		Lab V	STET Bio-floral Products Development and Research Centre – GF and IF	30 x 12	360
		Lab VI	Tissue Culture Lab V.S. Block GF	10 x 10	100
5	Nutrition and Dietetics	Lab I	Vivekanandan Block – IF A5	46 x 25	1,150
6	Physics	Lab I	Vivekanandan Block – IIF B4, B5	(30 x 20) + (46 x 25)	1,750
		Lab II	TVS Block	44.25 x 21.75	946.25
7	Server Room	Room No. I	Vivekanandan Block – GF A	30 x 13	390
8	Music instrumentation	Lab I	TVS Block	30 x 25.5	765
9	Tailoring unit	Lab I	TVS Block	19 x 18	342
		Total			26,593.25

1. VIVEKANANDAM BLOCK:

This block consists of 43 class rooms, Laboratories such as Biochemistry, Microbiology, Nutrition and Dietetics, Computer Science and Physics. It includes one seminar hall, one Open Auditorium, two Libraries, one Information room, one lift, one Administrative Office room, one Principal room, one Server room, one Health Centre, one physically challenged room, one Board room and one ED cell room. It consists of G+3 floors, each floors has RO (Reverse Osmosis) system facilities and also consists of 52 toilets.

S.No.	Particulars	Number of Rooms	Size in ft. (l x b)	Area (Sq.ft.)
1	Class rooms	43	30 x 20	25,800
2	Seminar hall	1	62 x 30	1,860
3	Open Auditorium	1	120 x 100	12,000
4	M.B.A/M.C.A library	1	(30 x 20) +(52 x 25)	1,900
5	General Library	1 (2 floors)	2(70 x 30)	4,200
6	Information room	1	10 x10	100
7	Administrative office	1	62 x 30	1860
8	Principal room	1	30 x 20	600
9	Store room	1	30 x 20	600
10	Server room	1	30 x 13	390
11	Board room	1	31 x 35	1085
12	Health Care Centre	1		
13	Physically Challenged Room		31 x 25	775
13	Laboratories	1	(30 x 20) +(46 x 25)	1,750
	Biochemistry	1	(30 x 20) +(46 x 25)	1,750
	Nutrition and Dietetics	1	46 x 25	1,150
	Computer Science	1	(30 x 20) +(46 x 25)	1,150
	Physics	1	+ (28 x 25)	2,450
		1	(30 x 20) +(46 x 25)	1,750
14	Staff room	1	30 x 20	600
	Biochemistry	1	30 x 20	600
	Microbiology			
	Nutrition and Dietetics	1	30 x 20	600
	Tamil	1	30 x 20	600
	Commerce	1	30 x 20	600
	Physics	1	30 x 20	600
	English	1	30 x 20	600
	Computer science	1	30 x 20	600
15	Placement Cell	1	20x20	400
16	UGC Sponsored Research Project room	1	20 x 20	400

Health Centre:

Health club secretary takes care of the health room, amenities, ambulance, first aid and access to the Doctor, in case of necessity

Physically Challenged:

Lift, Ramp and wheel chairs are available for the physically challenged persons.

Server Room:

It has dedicated online server to maintain the data.

Board Room:

To conduct the meetings of the Managing Committee.

2. G.N Block:

This block has 2 class rooms and 2 Laboratories.

S.No.	Particulars	Number of rooms	Size in ft. (l x b)	Area (Sq.ft.)
1	Class rooms	2	23 x 21	966
2	Laboratories	2	69 x 21	2,898
3	Staff room	1	23 x 21	483

3. V.S Block:

S.No.	Particulars	Number of rooms	Size in ft. (l x b)	Area (Sq.ft.)
1	Biochemistry Lab (GF)	1	68 x 27	1,836
	Animal House (GF)	1	10 x 10	100
2	Microbiology (Centralized Instrumentation laboratory) (IF)	1	68 x 27	1,836
	Tissue Culture Lab	1	10 x 10	100

Animal House:

Animal House has been established as per the norms of Indian Animal Ethical Committee. Area of the animal house is 100sq.ft with Air conditioner facilities. There are 10 cages provided in the animal house.

Centralized instrumentation laboratory:

Centralized Instrumentation facility with sophisticated instruments such as Atomic absorption spectrophotometer, UV-VIs spectrophotometer, Cooling centrifuge, Semi Auto analyzer, Thermo cycler, Gel documentation system, Gas chromatography, HPLC, Trinocular fluorescent microscope, bioreactor, Flame photometer, etc. has been established.

Tissue Culture:

A fully fledged tissue culture laboratory with temperature and light control devices has been established.

4. Dr.V.V Block:

This block has Office of the Controller of Examinations, Office of the Deputy Controller of Examinations, Reprographic Room, Store Room, 5 Valuation centre, 30 class rooms, 3 M.B.A syndicate room, Computer Science Laboratory, Language Laboratory, separate room for WECAN and Target CE, 1 Lift. It consists of G+3floors, each floors has RO (Reverse Osmosis) system facilities and also consists of 21 toilets.

S.No.	Particulars	Number of rooms	Size in ft. (l x b)	Area (Sq.ft.)
1	The Office of the Controller of Examinations	1	24x20	480
2	The Office of the Deputy Controller of Examinations	1	30x20	600
3	Reprographic Room	1	30x20	600
4	Store Room	1	30x20	600
5	Central Valuation centre (Big)	1	61x20	1,220
6	Valuation centre (small)	5	30x20	3,000
7	Class rooms	30	30 x 20	18,000
8	Syndicate room	3	30 x 20	1,800
9	Computer Science Laboratory	1	61 x 20	1,220
10	Language Laboratory	1	61 x 20	1,220
11	Target CE	1	10x10	100
12	WECAN	1	10x10	100
11	Staff room	1	30 x 20	600
	Mathematics	1	15 x 20	300
	M.B.A	1	15 x 20	300
	M.C.A	1	15 x 20	300

5. TVS Block:

It has 19 classrooms, 1 seminar hall, 1 Multi purpose hall, one lift, separate room for IQAC, Grievance Redressal Cell, Counseling, Career Guidance & Placement Cell, R&D Cell, Music Instrumentation room, Student Exnora Club, Youth Red Cross, Red Ribbon club, Rotaract club, Anti ragging Committee, Discipline Committee, Soft Skill Development, Consumer Citizen Club, Alumnae Association, Internal Complaint Committee, Examination Cell, Grievance and Redressal Cell and Edible Mushroom Cultivation unit

S.No.	Particulars	Number	Size in ft. (l x b)	Area (Sq.ft.)
1	Class rooms	19	31 x 20	11,780
2	Seminar Hall	1	80 x 34	2,720
3	Multipurpose Hall	1	80 x 34	2,720
4	Staff room Economics Department B.B.A Department	1 1	31 x 20 31 x 20	620 620
5	Laboratory Physics Lab Computer Lab	1 1	44.25 x 21.75 80 x 34	946.25 2,720
6	Edible Mushroom Cultivation	1	20 x 15	300
7	Library	1	44.25 x 21.75	946.25
8	Fine Arts Association (Music Instrumentation room)	1	30 x 25.5	765
9	Student Exnora Club	1	31 x 20	620
10	R & D Cell, IQAC & IPR Cell	1	31 x 20	620
11	Alumnae Association / Consumer Citizen Club	1	21.5x24.5	527
12	Grievance Redressal Cell, Counseling Cell	1	21.5x24.5	527
13	Antiragging Committee / Discipline committee	1	21.5x24.5	527
14	Soft Skill Development / Internal Complaint Committee	1	21.5x24.5	527
15	Entrepreneurship Development Cell / Tailoring Unit	1	31x20	620
16	Youth Red Cross / Rotaract	1	31x20	620
17	Examination Cell	1	31x20	620
18	Red Ribbon Club	1	31 x 20	620

Annexure Block I & II

6. Annexure Block I:

It has one Physical Directress room, one Canteen and one NSS room.

S.No.	Particulars	Number	Size in ft. (l x b)	Area (Sq.ft.)
1	Physical Directress room	1	30 x 20	600
2	Canteen	1	30 x 20	600
3	NSS room	1	30 x 20	600

Adequate facilities for sports and games

- Playground 44,220 Sq.ft.
- Volley ball court (18x9 sq.mt.)
- Basketball (28x15 sq.mt.)
- Ball Badminton (24x12 sq.mt.)
- Badminton (13.4x6.1sqmt.)
- Kho-Kho (27x16sq.mt.)
- Cricket playground (63550sq.ft.)
- Gymnasium equipment's are availed
- Yoga training is provided periodically
- Martial Arts such as 'Karate' and 'Silambam' are taught to empower the students with 'Self defense'

7. Annexure Block II:

It has one canteen and one Computer Internet lab.

S.No.	Particulars	Number	Size in ft. (l x b)	Area (Sq.ft.)
1	Canteen (GF)	1	28 x 25	700
2	Internet lab (IF)	1	28 x 25	700

8. KRISHNAVENI VIVEKANANDHAM BLOCK (HOSTEL):

Hostel with 4 floors is located within the main campus of the college. There are 212 rooms with attached toilets in the hostel to accommodate 298 students. The Modernized Kitchen with Steam Boiler is in Ground Floor. There are two dining halls with 3 RO (Reverse Osmosis) water facilities, one in the ground floor with 200 seating capacity, and the other one is in the Second floor with 250 seating capacity. One Home theatre has been installed in First floor. Computers with internet facility are available in First floor. Besides this facility, newspapers and weekly/monthly magazines are provided. Physical fitness of the students is enhanced by using Gymnasium is situated in 3rd Floor. It improves the athletic ability of the students. A separate Prayer Hall available for the students is in 3rd floor. Lift, frequent water supply and generators facilities also available.

9. BIOMININ LABORATORY:

Bio Floral Product Development and Research Centre:

Vermi composting:

Vermi compost is the organic fertilizer produced by using vegetable waste and earthworms. The production technology is provided to the students, Self Help Groups and women.

Edible Mushroom Cultivation:

The technology of mushroom cultivation is provided to the Self Help Groups students periodically. Trial plots are established for lab to land research.

Tissue Culture:

Tissue culture laboratory has 2 growing Rooms sufficient to culture 10000 plant cultures at any given time depending on the plant species under production.

Herbal Garden:

The herbal garden generally consists of all the herbs which have medicinal and aromatic properties. Herbal gardens are the precious source of raw material for medicinal remedies used in primary health care. Awareness of the use of medicinal and aromatic plants is increasing and hence becoming economically important due to growing demand for herbal products in the domestic and global market and over 90% of the medicinal plants are used by pharmaceutical industry. The department maintains a herbal garden. It has 185 medicinal plants. Students collect various herbs from the herbal garden to promote phytochemical and pharmacological research.

Coconut Research Centre:

The coconut plantations of Thanjavur District are frequently affected by Thanjavur Wilt, a fungal disease caused by *Ganoderma lucidum*. Awareness of the disease, its impact, measures to prevent and control and the ways by which the productivity can be improved was given by the departments of Biochemistry and Microbiology to coconut cultivators of neighbouring villages. Due to Gaja Cyclone 1500 saplings were planted.

Supportive Environment

Rain Water Harvesting:

In the College campus rainwater harvesting system has been installed near the canteen, Opposite to Vivekanandam Block and TVS Block. The roof runoff water is collected through network of pipe lines and stored in the wells. There are nine unused wells and two ponds in the campus where there of runoff water is stored. The remaining roof runoff water is allowed to infiltrate in the ground for recharge. The stored water is used for gardening and washing of vehicles.

Water Recycling:

Water recycling is enabling in the campus. Sewage water is collected then recycled and reused for agricultural purpose.

Solar Panels:

Solar panel with the capacity to generate 20 Kwts power has been reputable as an alternative and Green energy source. Due to Gaja Cyclone reconstitute the solar panel for the root of the ground level.

Weather Station:

Weather station is available to forecast the weather condition of our college campus.

LIBRARY

Library is one of the most integral components in ensuring the enhancing teaching-learning outcome. It is the main support facility earmarked by the institution to the students and teachers. Hence the management has facilitated the library with **Automated Integrated Library Management System (ILMS) namely AutoLib**. There are 600210 books, 189 journals, 2285 CDs and Educational videos stacked in the library.

Specialized facilities and equipment's for teaching and learning

Teaching facility

- Smart Classroom
- NPTEL, ICT
- Internet e-resources/e-content
- E-journal and Educational CDs

Learning facility

- Glossary
- Smart Classroom
- National, International and e-journals
- Internet facility in the college and hostel
- INFLIBNET/N-LIST membership
- E-resources/ e-content (NPTEL)
- OPAC facility in the library
- ERP

IT INFRASTRUCTURE

The departmental computer-to-students ratio works out to 1: 5 for the college. A large number of leased software packages are available in each department to meet the specific requirements. The college has 100 Mbps Leased line internet connectivity.

Number of Nodes/Computers With Internet Facility

All the 580 systems are supported with internet facility. Bharath Sanchar Nigam Limited (BSNL) provides 1:1 ratio Leased Line internet service to our campus with bandwidth of 100 Mbps.

LAN Facility

The college has very good support facilities in the form of a campus-wide Local Area Network All the computer systems are connected by LAN & 24 hour's internet connectivity is provided for the benefit of students as well as faculty members. The windows, UNIX and LINUX software packages such as Mobile Computing, Multimedia, Animation and various editing packages are made available to create simulated environments to suit not only the curricula very well but also to go beyond it.

Wi-Fi Facility

The college has very good support facilities in the form of a campus-wide Local Area Network All the computer systems are connected by LAN & 24 hour's internet connectivity is provided for the benefit of students as well as faculty members. The windows, UNIX and LINUX software packages such as Mobile Computing, Multimedia, Animation and various editing packages are made available to create simulated environments to suit not only the curricula very well but also to go beyond it.

Language Lab

The College has a state-of-the-art English Language Laboratory that aims at the English language proficiency and communication skills of students, as these skills are so essential to fare better not only in academics at the college but also in the career of their choice.

Class Room with ICT Facility

Campus has 13 smart class rooms with ICT facility. Now is the era of smart classrooms which make learning fun through the use of digital equipment like the VCD or DVD player or laptops and computers, fitted to a projector.

Smart classes are conducted by a teacher using a viewing screen that is attached to the projector. Students will assimilate the audio-visual information that is projected on the screen and learn about the topic. Since the teacher is not writing on the board, students will be able to better concentrate in the class, assimilating audio-visual (AV) information through digital tools like CDs, pen drives and PDF files that will be e-mailed to students.

The Controller of Examinations

S.No.	Particulars	Number of rooms	Size in ft. (l x b)	Area (Sq.ft.)
1	The Office of the Controller of Examinations	1	24x20	480
2	The Office of the Deputy Controller of Examinations	1	30x20	600
3	Reprographic Room	1	30x20	600
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