

A decorative border of palm trees surrounds the text. The border consists of a top row of 15 palm trees, a bottom row of 15 palm trees, and two vertical columns of 15 palm trees each on the left and right sides.

Audit Report

Energy Audit

Green Audit

Gender Audit

A decorative border composed of a repeating pattern of small, black, eight-pointed asterisks. The border runs along the top, bottom, left, and right edges of the page, forming a rectangular frame around the central text.

Energy Audit

ENERGY AUDIT REPORT

(2021-2022)

ENERGYAUDIT REPORT



எம்.வி.முத்தையா அரசு மகளிர் கலைக்கல்லூரி
M. V. Muthiah Government Arts College for Women
(Affiliated to Mother Teresa Women's University, Kodaikanal)
Accredited with 'A' Grade by N.A.A.C.
Dindigul - 624601, Tamilnadu.



2021-2022

Energy Audit Report

BY

Head of the Department

Department of Physics

M.V. Muthiah Government Arts College for Women, Dindigul-624 001

SUBMITTED

TO

The Principal

M.V. Muthiah Government Arts College for Women, Dindigul-624 001

SUBMITTED

BY

Energy Audit Expert Team

Prof. Dr.V.Kirubakaran

Head of the Department, M.Tech, Renewable Energy, Gandhigram Rural Institute - Deemed to be University,
Dindigul-624302.

Prof.Dr.S.Arumugam

Former Professor, Department of Physics, Gandhigram Rural Institute - Deemed to be University,
Dindigul-624302.

Preface

Data collection for energy audit of the M.V.Muthiah Government Arts College for Women, Dindigul. Campus was conceded

by team for the period of 2020 to 2021. This audit was over sighted to inquire about convenience to progress the energy competence of the campus. To drop of energy utilization whilst cultivate or humanizing comfort, health and safety were of prime anxiety.

This audit required to recognize the mainly energy proficient appliances. Besides, several each day processes concerning common appliances have been provided which facilitate sinking the energy expenditure. The energy audit survey was completed by

Dept. of Physics. Data was collected from each classroom, laboratory & every room. The work is completed by considering,

how many tubes, fans, A.Cs, electronic instruments, etc are available in each room, and how much was participation of each component in total electricity consumption

Acknowledgement

Dr.R.Rajammal, Head of the Department, Department of Physics, M.V.Muthiah Government Arts College for Women,

Dindigul, is very much thankful to Principal **Dr.D.LAKSHMI** for motivating us to conduct the energy audit and also grateful to all

Heads of the Department, Hostel Deputy Warden, Bursar, Superintendent and all office staff members.

About the College

M.V.Muthiah Government Arts College for Women, Dindigul is one of the largest Government Institutions for women in Tamil Nadu. The College was established in June 1966 with a mission to empower rural women through higher education. Forty acres of land was donated by Thiru. M.V.MuthiahPillai the then founder of Angu Vilas Groups for the construction of the college. The college was named "M.V.Muthiah Government Arts College for Women" to honour the donator's lion's share in providing land and building construction. Since its inception in 1966, the Institution enjoys a commendable social accreditation and every year we receive thousands of applications for getting admission into each course. As the institution strictly adheres to the mission of "Purity, Unity and Ability", Parents prefer to admit their wards in our college rather than other colleges in the district. In 1972 and in 1974 the then Chief Minister of TamilNaduDr.M.Karunanidhi laid the foundation stone for hostel buildings. From 1975 onwards the college started functioning in the new campus. National Service Scheme and the Corporation of Population Education Programme were started in 1975 to render great service to the society. Under the Twenty Points, a Co-operative store for staff and students and a common canteen work successfully completed in the campus. Within a short span of fourteen years the college spread its roots strongly and added one more feather to its cap by attaining Grade I Status. As the college maintains a good discipline, many families in the villages nearby are able to give higher education to their girls breaking all orthodox social taboos.

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2	OBJECTIVE
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6	TOTAL POWER REQUIREMENT OF VARIOUS EQUIPMENT (2021-2022)
8	DATA ANALYSIS
9	CONCLUSION
10	RECOMMENDATIONS

Introduction:

A nation is tiring to advance in quantity and quality to the spread of education among the common India and development of their intelligence. In India the entire field of education and other fields of intelligent activities had been monopolized by a handful of men before independence. But today we are marching towards the desirable status of a developed nation with fast strides. But the development should be sustained. For achieving such an interminable development energy management is essential. As far as concerning electricity crisis, we are facing lack of electricity during office work. So, institutional management is taking design regarding production of electricity and saving electricity for eco-social aspect.

The country has motivated strategy to enlarge its renewable energy resources and policy to establish the nuclear power plants. India's industrial demand accounted for 35% of electrical power requirement, domestic household use accounted for 28%, agriculture 21%, commercial 9%, and public lighting and other miscellaneous applications accounted for the rest. Energy conservation means reduction in energy consumption without making any sacrifice of quantity or quality.

A successful energy management program begins with energy conservation, it will lead to adequate rating of equipments using high efficiency equipment and change of habits which causes enormous wastages of energy. It is necessary to plan to being self-sufficient in electricity requirement.

In the present study, college electricity audit has been done. Practical laboratory, instrument, Fans, air conditioners, Computers etc are considered in this study. We have studied total budget of the college, total economic investment of college on the electricity and total electricity generation from the solar electricity generation unit. Also, we have studied total saving of electricity and money from solar electricity generation and requirement of solar energy. Also, it is studied about exact contribution of bulb, fans, computer, instruments etc in the total requirement of electricity. We studied all the mentioned things by collecting exactly data from the survey.

Objectives:

To find out the electric power consumption of our college

Methodology:

Data was collected manually by the Department of Physics

Experimental and data collection:

All the required data was collected by the Department of Physics. All over the college, energy audit was held and the following information are gathered where are the information.

Equipment functional in the College (Department wise)

A. Department of Physics

S.No	Name Of The Instruments	Model & Make	Year Of Purchase	Status
1	Diode Laser	Pico	2018-19	Working
2	Four Probe Apparatus	Pico	2018-19	Working
3	Hall Effect Setup	Pico	2018-19	Working
4	Constant Current Power Supply	Pico	2018-19	Working
5	Digital Gauss Meter	Ses-Dgm-102	2018-19	Working
6	Solar Constant Experiment Full Set Up	Esel	2018-19	Working
7	Solar Cell Characteristic Apparatus	Esel	2018-19	Working
8	Electromagnet Emu 50v	Ses	2019-20	Working
9	Precision Balance	Kinglab-Sab303e	2020-21	Working

B. Department of Chemistry

S.No	Instruments	Make & Model	Quantity	Year of Purchase	Status
1.	Vacuum pump JABIVAK make with ½ HP motor & essential accessories	PRAVBIVAC	2	19.06.2013	Working
2.	Hot Air Oven	KEMI K05-3 Chamber	2	09.03.2011	Working
3.	Digital Balance	Shimadzu 0.0001gm	1	10.03.2011	Working
			1	14.03.2011	Working
			1	18.03.2011	Working
			1	29.02.2012	Working
4.	Sharp Multi-functional Device	SHARP AR5620N	1	12.02.2014	Working
5.	Analytical Balance Digital	SHIMADZU 200gm Capacity	1	05.03.2016	Working
8	Digital Balance (220 gm)	WENSAR	1	05.03.2021	Working
9	Ice Maker	KLDIM-150	1	05.03.2021	Working
10	Rotary Shaker	LAB TECH with timer & speed meter	1	05.03.2016	Working

C. Department of Zoology

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2	Students Compound microscope(Olympus)	31.12.2018	Working
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4	pH meter with Glass electrode and stand	15.10.2018	Working
5	Dissection microscope	15.12.2018	Working
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7	Digital Thermometer	23.03.2017	Working
8	Photo electric calorimeter	27.03.2012	Working
9	Electrical single pan balance	29.04.2008	Working
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11	Stereo Binocular Microscope	08.04.1998	Working
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23	LCD Projector	31.03.2011	Working
24	Generator		Working
25	Hot air oven	2019-20	Working
26	Labtec Model Incubator – Temperature and Fan Control	2019-20	Working
27	Digital Photo Colorimeter (Deep vision make-1318 model)	2019-20	Working
28	Induction stove (Pigeon -1800W)	2019-20	Working
29	Almicro Digital vedio microscope	2020-2021	Working

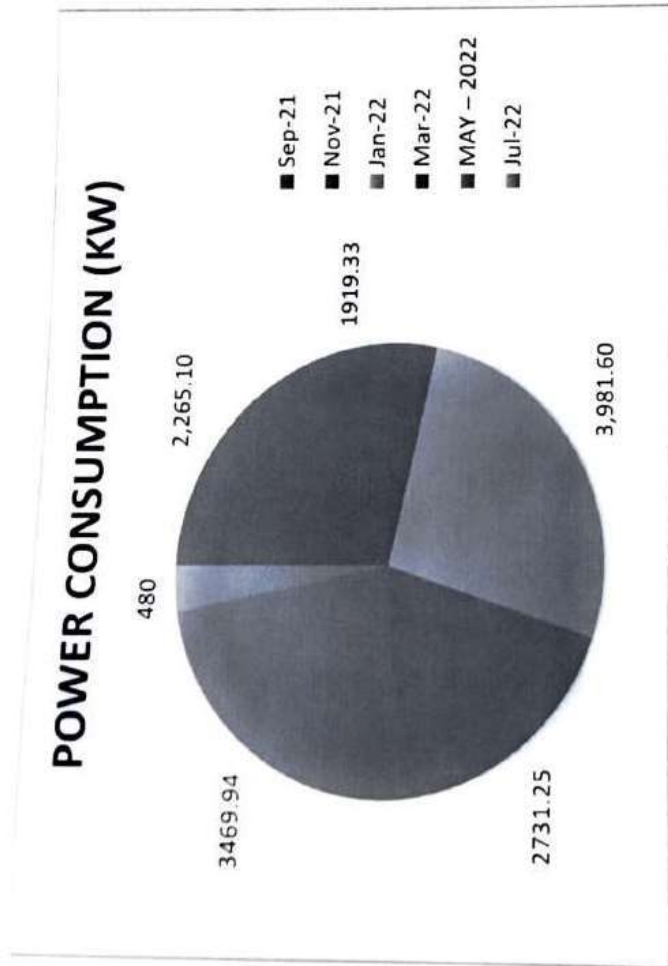
D. Department of Botany

S.No	Name Of The Instruments	Year	Status
1	PH meter	2017	Working
2	Calorimeter	2017	Working
3	Digital Balance	2017	Working
4	Gel electrophoresis	2018	Working
5	Laminar air flow & Culture rack	2019	Working

MONTHLY CONSUMPTION AS PER TAMILNADU ELECTRICITY BOARD

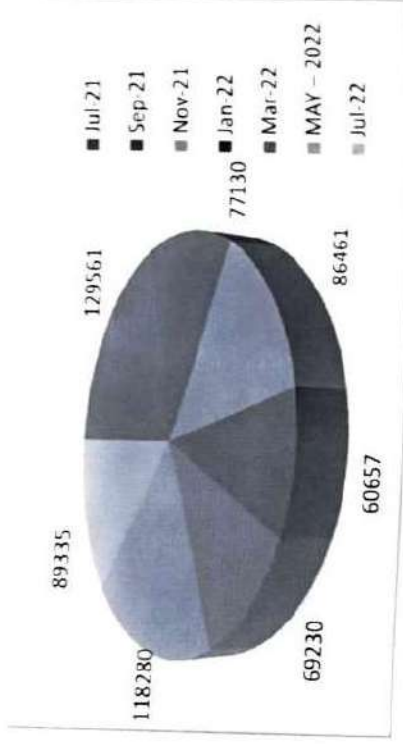
S.No	MONTH	POWER CONSUMPTION (KW)	ANNUAL POWER CONSUMPTION (KW)	MONTHLY CONSUMPTION (KW)
1.	JULY-2021	19,608.66		
2.	SEPTEMBER-2021	2,265.1		
3.	NOVEMBER-2021	1919.33		
4.	JANUARY-2022	3,981.6	34455.88	2871.32
5.	MARCH-2022	2731.25		
6.	MAY-2022	3469.94		
7.	JULY-2022	480		

PICTORIAL REPRESENTATION OF MONTHLY CONSUMPTION AS PER TAMILNADU ELECTRICITY BOARD



MONTHLY AMOUNT PAID AS PER TAMILNADU ELECTRICITY BOARD

S.No	MONTH	AMOUNT PAID (Rs.)
1.	JULY-2021	129561
2.	SEPTEMBER-2021	77130
3.	NOVEMBER-2021	86461
4.	JANUARY-2022	60657
5.	MARCH-2022	69230
6.	MAY-2022	118280
7.	JULY-2022	89335



Data analysis

In the previous year 2020-2021, according to the TamilNadu Electricity board monthly power consumption was 7493.5KW and the total power requirement of various equipment of our college was estimated as 7123.55 KW. It was found that the discrepancy between the monthly power consumption of our college as per TamilNaduelectricity board and power requirement of various equipment as calculated from the energy audit data was 369.95 W and this discrepancy was due to the electricity consumption of the instruments bought under RUSSA as well as due to the excess power utilized for the new building construction work.

In this year 2021-2022, 2917.86 KW of total power requirement of various equipment of our college was estimated by the TamilNadu Electricity board(TNEB). From the energy audit it was calculated as 2871.32 KW. So there is a decrease of 46.54 W in power consumption by our college as compared with the TNEB data. The reason for the gain is due to the installation of LTCT (Low Tension Current Transformer) in our campus to reduce and maintain the power consumption.


Conclusion

Energy audit is an effective tool in identifying and perusing a comprehensive energy management program. A careful audit of any type will give the organization a plan with which it can effectively manage the organization energy system at minimum energy cost. A detailed study has been made to reduce the electrical energy consumption in the campus of M V Muthiah Government Arts College for Women, Dindigul. From the conducted energy audit, it comes to know that many possibilities are there to reduce the power consumption of the college. Importantly installation of LTCT (Low Tension Current Transformer) in our campus has good compatibility towards the reduction and maintenance the power consumption.

Recommendations:

- Submersible pump set is to be overhauled after three month to avoid wastage of energy due to poor performance
- Motor pump set is to be providing power capacitor.
- Air conditioner shall be operated between temperature range of 23-25C to maintain lower cooling load on compressor to save energy.
- Submersible motor found overload which need urgent repairing.
- CRT monitor of PCS are recommended to replace with energy efficient LCD monitors to conserve energy.


(Dr. S. Arunuganem)
Professor (Retd)
C.R.T. Dept of Physics,
Gandhigram


(Vikram Prakash)

Head of the Department
M.Tech, Renewable energy,

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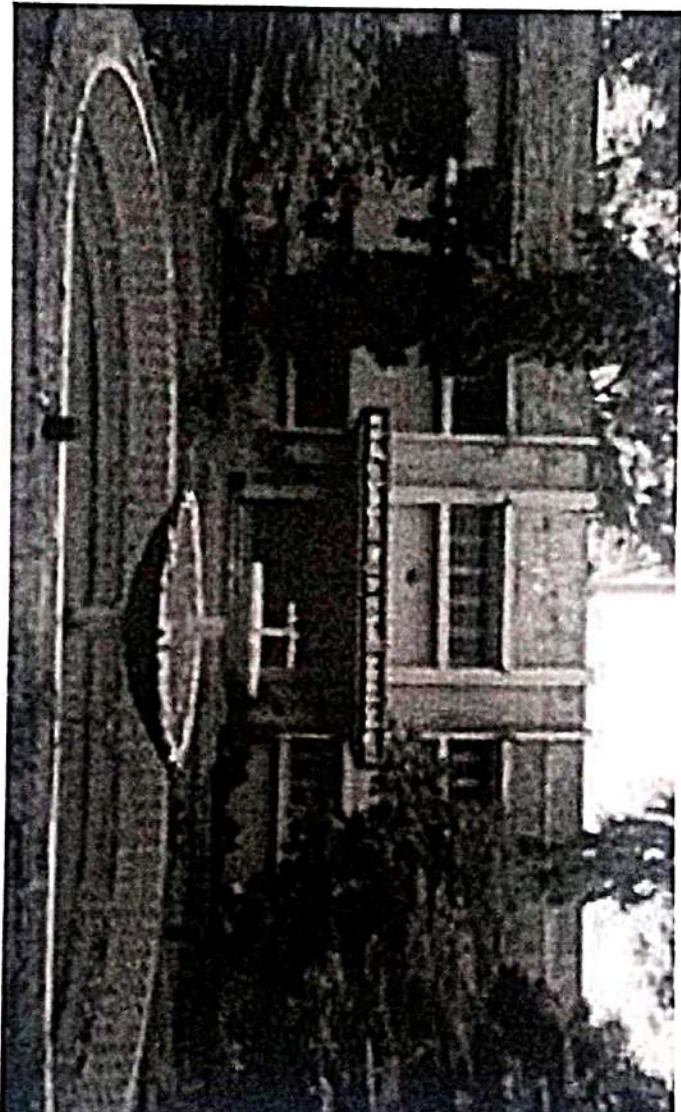
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Energy Audit Expert Team

Dr. Mrs.R.Vallaiammal

Associate Professor & Head, PG Department of Physics

Arulmigu Palaniandavar Arts College for Women, P.K. Puthuur (PO), Palani-624615

Dr.Mrs.A.Jacquiline Regina Mary

Associate Professor & Head, Department of Physics

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YEARLY POWER CONSUMPTION OF THE COLLEGE SERVICES AS PER TAMILNADU ELECTRICITY BOARD

Bill analysis was done for all the services of the college. Service number 204-004-2561 belongs to the hostel electricity bill, which contains no data. Because in the duration 2022-2023, hostel was not runned at that time. The detailed report of the bill analysis was given below.

MONTHS	SERVICE NUMBER 709			
	CURRENT READING	USAGE CONSUMPTION AMOUNT	CC CHARGE	AMOUNT TO BE PAID
JULY	43030	2700	16,725	Rs 16,734
AUGUST	44680	7650	11711	
SEPTEMBER	NIL	NIL	NIL	NIL
OCTOBER	NIL	NIL	NIL	NIL
NOVEMBER	45690	1010	10,697	
DECEMBER	NIL	NIL	NIL	NIL
JANUARY	47310	1629	15,608	
FEBRUARY	NIL	NIL	NIL	NIL
MARCH	49410	2100	19640	
APRIL	NIL	NIL	NIL	NIL
MAY	51170	1760	16781	
JUNE	NIL	NIL	NIL	NIL
JULY	53203	2033	19324	

MONTHS	SERVICE NUMBER 708			
	CURRENT READING	USAGE CONSUMPTION AMOUNT	CC CHARGE	AMOUNT TO BE PAID
JULY	2141	NIL	960	960
AUGUST	NIL	NIL	NIL	NIL
SEPTEMBER	2141	NIL	1189	1189
OCTOBER	NIL	NIL	NIL	NIL
NOVEMBER	0	DF	1684	1684
DECEMBER	NIL	NIL	NIL	NIL
JANUARY	75511	0	6600	6600
FEBRUARY	NIL	NIL	NIL	NIL
MARCH	75511	0	1600	1600
APRIL	NIL	NIL	NIL	NIL
MAY	75511	0	1600	1600

SERVICE NUMBER 3003				
MONTHS	CURRENT READING	USAGE CONSUMPTION AMOUNT	CC CHARGE	AMOUNT TO BE PAID
JULY	51100	280	7275	59449
AUGUST	NIL	NIL	NIL	NIL
SEPTEMBER	51340	240	3992	63226
OCTOBER	NIL	NIL	NIL	NIL
NOVEMBER	51470	130	4292	66971
DECEMBER	NIL	NIL	NIL	NIL
JANUARY	51980	510	7484	44340
FEBRUARY	NIL	NIL	NIL	NIL
MARCH	52650	670	8828	
APRIL	NIL	NIL	NIL	NIL
MAY	53030	380	6392	59560

SERVICE NUMBER 256				
MONTHS	CURRENT READING	USAGE CONSUMPTION AMOUNT	CC CHARGE	AMOUNT TO BE PAID
JULY	322410	13870	71598	
AUGUST	NIL	NIL	NIL	NIL
SEPTEMBER	323210	800	105545	
OCTOBER	NIL	NIL	NIL	NIL
NOVEMBER	325760	310	7604	137360
DECEMBER	NIL	NIL	NIL	NIL
JANUARY	326540	377880	11552	67494
FEBRUARY	NIL	NIL	NIL	NIL
MARCH	326700	160	6344	
APRIL	NIL	NIL	NIL	NIL
MAY	326780	80	5672	

SERVICE NUMBER 2560				
MONTHS	CURRENT READING	USAGE CONSUMPTION AMOUNT	CC CHARGE	AMOUNT TO BE PAID
JUNE	2071.74	2180.66	5705.1	36713
JULY	2206.02	232556	4028.4	27248
AUGUST	2420.72	2551.73	6441	40776
SEPTEMBER	2671.41	2812.02	7520.7	67493
OCTOBER	2869.46	3018.87	5741.5	69588
NOVEMBER	3110.07	3270.74	7218.3	79809
DECEMBER	3261.14	343498	4532.1	57245
JANUARY	33990.61	3582.19	4154.1	54498
FEBRUARY	3586.1	3778.86	5594.7	66576
MARCH	3793.6	3995.29	6225	75534
APRIL	4038.88	4250.06	7358.4	98258
MAY	4153.18	4373.99	3429	49929

2022-2023

Energy Audit Report (2022-2023)
Total Power Requirement of Various Equipment

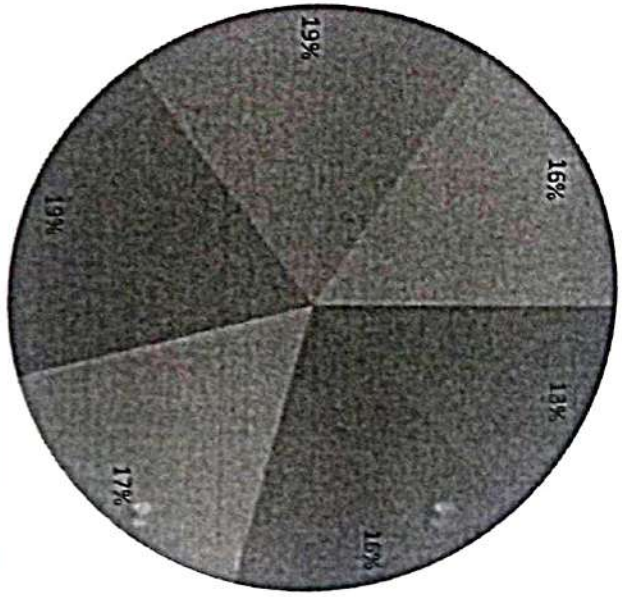
Department/ Area	Fan/ Exhaust	LED Tube Light	CFL Light/ Sodium Lamp	A.C.	Fridge	Computer	Printer	Xerox Machine	Projector	UPS	CCTV	LAB EQUIPMENTS	BOARDWELL /SUMP
Principal Office	7	18		3									
Office	10	20				1	1	1		1			
Physics Lab	26/4	24				8	4	1					
Geography Lab	16/4	16				6	2	1				106	
Zoology Lab	14	15				5	3	1	2			-	
Botany Lab	8/4	18				4	4	1	2	3		10	
Chemistry Lab	13	28			1	2	1	1	-	1		-	
Mathematics Lab	5	14		2		2	2	1	-	1		20	
Computer Science Lab	27/5	25		7		149	17	2	2	6		-	
Staff Room	58	76			2	23	10	11	2	8			
Library	7	22		1		22	1	1		1			
Classroom	230	309							1				
NAAC	1	4				7	2	1					
Swagym/IOAC	6	4				4	2						
NSS Room	1	2											
Sports Room	1	2											
Partry	3	5											
LCD Hall	10	20		6		1			1	3	-/1		
Kamrajjar	18	27							1				

MONTHLY CONSUMPTION AS PER TAMILNADU ELECTRICITY BOARD

S.No	MONTH	POWER CONSUMPTION (KW)	ANNUAL POWER CONSUMPTION (KW)	MONTHLY CONSUMPTION (KW)
1	JULY-2022	22151		
2.	SEPTEMBER-2022	28706.7		
3.	NOVEMBER-2022	30141.5		
4.	JANUARY-2023	33418.1	176272.4	14,689.36
5.	MARCH-2023	33167.7		
6.	MAY- 2023	28687.4		

PICTORIAL REPRESENTATION OF MONTHLY CONSUMPTION AS PER TAMILNADU ELECTRICITY BOARD

POWER CONSUMPTION (KW)

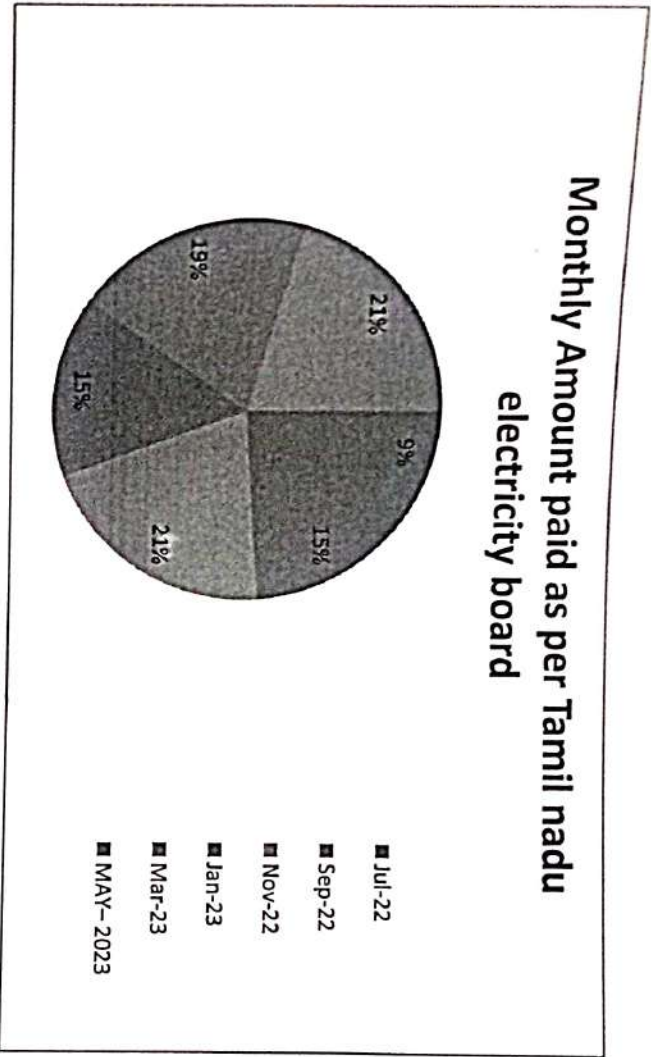


- Jul-22
- Sep-22
- Nov-22
- Jan-23
- Mar-23
- MAY-2023

MONTHLY AMOUNT PAID AS PER TAMILNADU ELECTRICITY BOARD

S.No	MONTH	AMOUNT PAID (Rs.)
1.	JULY-2022	63961
2.	SEPTEMBER-2022	108269
3.	NOVEMBER-2022	149397
4.	JANUARY-2023	111743
5.	MARCH-2023	142110
6.	MAY-2023	150332

PICTORIAL REPRESENTATION OF MONTHLY AMOUNT PAID AS PER TAMILNADU ELECTRICITY BOARD



Data analysis

In the year 2020-2021, according to the TamilNadu Electricity board monthly power consumption was 7493.5KW and the total power requirement of various equipment of our college was estimated as 7123.55 KW. It was found that the discrepancy between the monthly power consumption of our college as per TamilNadu electricity board and power requirement of various equipment as calculated from the energy audit data was 369.95 W and this discrepancy was due to the electricity consumption of the instruments bought under RUSSA as well as due to the excess power utilized for the new building construction work.

In the year 2021-2022, 2917.86 KW of total power requirement of various equipment of our college was estimated by the TamilNadu Electricity board(TNEB). From the energy audit it was calculated as 2871.32 KW. So there is a decrease of 46.54 W in power consumption by our college as compared with the TNEB data. The reason for the gain in due to the installation of LTCT (Low Tension Current Transformer) in our campus to reduce and maintain the power consumption.

At the present year 2022-2023, according to the TamilNadu Electricity board monthly power consumption was 14,689.36 KW and the total power requirement of various equipment of our college was estimated as 14,334.88 KW. It was found that the discrepancy between the monthly power consumption of our college as per TamilNadu electricity board and power requirement of various equipment as calculated from the energy audit data was 354.48 W.

Conclusion

Energy audit is an effective tool in identifying and perusing a comprehensive energy management program. A careful audit of any type will give the organization a plan with which it can effectively manage the organization energy system at minimum energy cost. A detailed study has been made to reduce the electrical energy consumption in the campus of M.V.Muthiah Government Arts College for Women, Dindigul. From the conducted energy audit, it comes to know that many possibilities are there to reduce the power consumption of the college. Importantly installation of LTCT (Low Tension Current Transformer) in our campus has good compatibility towards the reduction and maintenance the power consumption.

Recommendations:

- Turn off electrical equipments when not in use
- Replacing CFLS with LED lamps
- Use computers and other electrical equipments in power saving mode
- Replacing desktop computers by laptop
- Switch off the modem at night
- Switch off the printer when it's not needed
- AC should be switched on only 15 minutes before actual use and switch off while going out
- Air conditioner shall be operated between temperature range of 23-25°C to maintain lower cooling load on compressor to save energy.
- CRT monitor of PCS are recommended to replace with energy efficient LCD monitors to conserve energy.
- All Class Rooms, hostels, labs and common places to have Display Messages regarding optimum use of electrical appliances in the room like lights, fans, computers ,projectors etc.
- Most of the time, all the tube lights in a class room are kept ON, even though, there is sufficient light level near the window opening. In such cases, the light row near the window may be kept OFF.
- All appliances to be kept OFF or in idle mode if there will not be used for at least next one hour .
- The comfort air conditioning temperature to be set between 24°C to 26°C.
- Lights in toilet area may be kept OFF during day time

R.V.V.
A. Regina Mary
(Dean of Academics)

Dr. R. VALLIAMMAL M.Sc., M.Phil., PGDCA., Ph.D.,
Associate Professor And Head,
Department of Physics,
Arulmigu Palaniandavar Arts College for Women,
C.K. Puthur, Palani-624 615.

Dr. A. Jacqueline Regina Mary

Head and Associate Professor
Department of Physics
Jayaraj Annapackiam College
(Autonomous)

A decorative border consisting of a grid of asterisks surrounds the central text. The border is composed of small, black, eight-pointed asterisks arranged in a rectangular frame.

Green Audit

M.V.MUTHIA GOVT ARTS COLLEGE FOR
WOMENS,DNDIGUL-624001

DEPARTMENT OF BOTANY

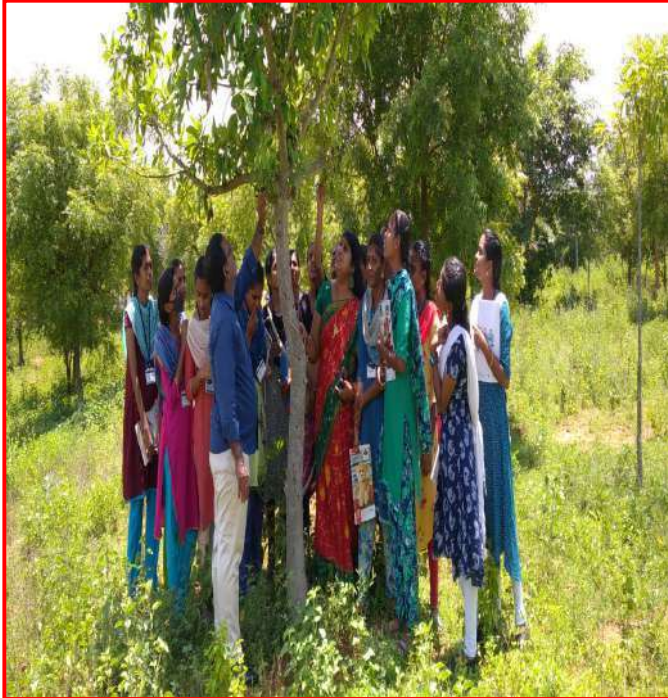
GREEN CAMPUS INTIATIVES

120 கோடி வாடிக்கையாளர்கள் உள்ளனர்
நாங்கள் வெளியிடும் ஆக்சிஜனை சுவாசிக்க !
ஆனால் எங்களை நட்டு வளர்ப்போர் எண்ணிக்கை
சில ஆயிரம் கூட தாண்டவில்லை ? இப்படிக்கு
மரங்கள்



வீட்டை குளிர்விக்க
50,000 ரூபாயில் குளிர்சாதன கருவியை
வாங்கி பொருத்துகிறோம் !!
பூமியை குளிர்விக்க
5 ரூபாய் மரக்கன்றை வாங்கி
நட மறுக்கிறோம் ??

1. PLANTS SURVEY (Best Practices)



**THE TOTAL NUMBER OF LISTED IN
INDIMAVANAM(INSIDE THE COLLGE) BY STUDENTS
AND FACULTIES**

2. CLEANING ACTIVIES (Best Practices)



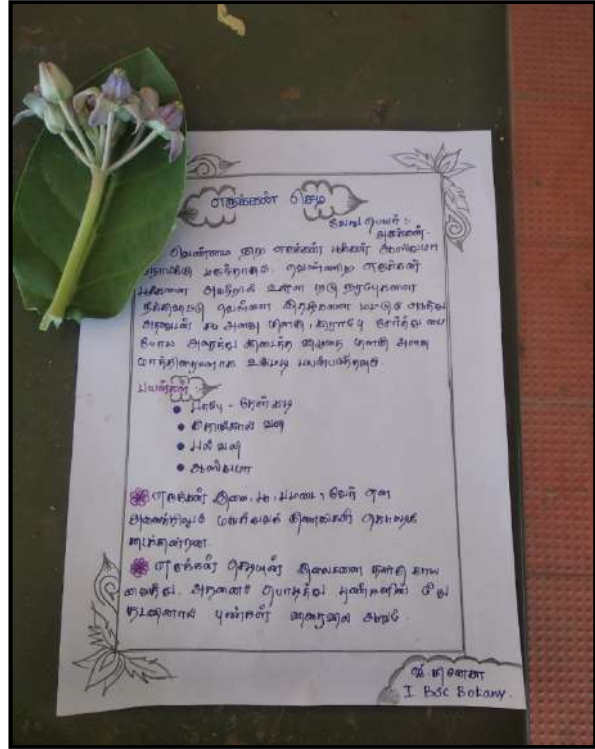
THE STUDENTS CLEANING THE FROND AREA OF THE BOTANY DEPARTMENT

3. SCIENCE DAY EXHIBITION (Best Practices)



MANY MEDICINALS PLANTS COLLECTED AND EXHIBITED IN THE DEPARTMENT OF BOTANY IN THE SCIENCE DAY CELEBRATION TO VISITING THE COLLEGE STUDENTS, FACULTIES, NON TEACHING AND PUPRICS.ALL THE MADICINAL PLANTS HABIT, HABITAT AND MEDICINAL USES DEMONSTRATED BY BOTH FACULTIES AND STUDENTS.

4. DAILY DISPLAY OF MEDICINAL PLANTS



TWO OR THREE MEDICINAL PLANTS AND THEIR USES WERE KEPT IN THE FROND OF THE BOTANY DEPARTMENT ON DAILY BASIS FOR KNOWN THE MEDICINAL VALUES AND IMPOTANCE OF MEDICINAL PLANTS TO COLLEGE STUDENTS AND FACULTIES.




BLACK PEPPER

Here are some of the facts about this amazing spice:

- ⇒ Helps in losing weight
- ⇒ Detoxifies your body
- ⇒ prevents cancer
- ⇒ Cleanses your intestines and stomach
- ⇒ It consists of potassium that helps in regulating heart rate and high blood pressure
- ⇒ Helps in producing red blood cells.
- ⇒ Rich in vitamin B and produces calcium.
- ⇒ prevents constipation
- ⇒ prevents skin deformation & wrinkles.

A. RAKSHANA PARVEEN
III - 3 Sc Botany




ROSE

Family: Rosaceae
Genus: Rosa
Common name: Queen of flowers
Botanical name: Rosa chinensis.

Medicinal uses:

- ⇒ It prevents infections.
- ⇒ It is an astringent.
- ⇒ It is an emmenagogue.
- ⇒ It is good for your skin.
- ⇒ It stimulates circulation
- ⇒ It is good for digestion

S. Prayathashini
III - B.Sc - Botany



5. MUSHROOM CULTIVATION

MATERIALS PREPARATION FOR MUSHROOM CULTIVATION BY STUDENTS



6. VEGETABLE GARDEN (Best Practices)



THE BACKSIDE OF BOTANY DEPARTMENT PREPARED THE AREA FOR VEGETABLES GARDEN AND GROWN SOME VEGETABLES AND MAINTAINED BY BOTANY DEPARTMENT.

8. INDOOR PLANTS



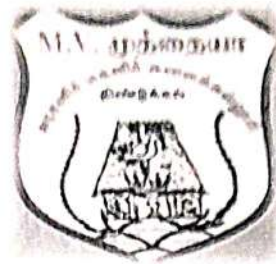
SOME OF THE INDOOR PLANTS POTTED AND KEPT IN THE FRONT OF THE BOTANY DEPARTMENT WARANDA AND MAINTAINED REGULARLY

7. PONGAL CELEBRATION



THE TAMILAR TRATIONAL FESTIVEL PONGAL HAD BEEN CELEBRATED EVERY YEAR BY BOTANY DEPARTMENT BOTH STUDENTS AND FACULTY MEMBERS.

GREEN AUDIT REPORT
2022-2023



M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

(Affiliated to Mother Teresa Women's University, Kodalkanal)

Re-Accredited with 'A' Grade by NAAC

DINDIGUL, -624 001

TAMILNADU, INDIA

GREEN AUDIT REPORT-2022-2023



SUBMITTED BY

DEPARTMENT OF BOTANY

M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

DINDIGUL -624 001

GREEN AUDIT- 2022-23

PREPARED BY

DEPARTMENT OF BOTANY

FACULTY MEMBERS

1. Dr.J.P. NIKKITHA
ASSISTANT PROFESSOR AND HEAD
2. Dr.S.SIVASANKARI
ASSISTANT PROFESSOR
3. Dr.R.LAKSHMANAN
ASSISTANT PROFESSOR
4. Mrs.D.MALARVIZHI
GUEST LECTURER

M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

DINDIGUL -624 001

GREEN AUDIT - 2022-23

PREPARED BY
DEPARTMENT OF BOTANY

SUBMITTED TO

PRINCIPAL

SUBMITTED BY

EXPERT COMMITTEE

ACKNOWLEDGEMENTS

Dr.J.P.NIKKITHA., ASSISTANT PROFESSOR AND HEAD, DEPARTMENT OF BOTANY, M.V.MUTHIAH GOVT. ARTS COLLEGE FOR WOMEN, DINDIGUL, IS VERY MUCH THANKFUL TO PRINCIPAL *Dr.D.LAKSHMI* FOR MOTIVATING US TO CONDUCT THE GREEN AUDIT AND ALSO GRATEFUL TO ALL HEAD OF THE DEPARTMENTS, BURSAR, SUPERINTENDENT AND ALL OFFICE STAFF MEMBERS.

CONTENTS

S.NO.	TITLE OF THE CONTENT	PAGE NUMBER
1.	ABOUT THE COLLEGE	3
2.	ABOUT BOTANICAL GARDEN	3
3.	OBJECTIVES OF GREEN CAMPUS	3
4.	NUMBER OF PLANTS AND IMPORTANT SPECIES OF CAMPUS	3
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4.2	KEY SPECIES OF PLANTS PRESENT IN THE PREMISES	7
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4.4.	MAJOR PLANT FAMILIES AND IMPORTANT SPECIES OF BOTANICAL GARDEN	10
5.	OUTCOME OF MAINTAINING GREENING IN CAMPUS	10

1. About the College

M. V. Muthiah Government Arts college for women, Dindigul was established in the year 1966. The college is Reaccredited with Grade "A" by NAAC. The college has been providing quality education to the rural students in and around Dindigul District. The college offers 12 UG programmes, 11 PG programmes and 6 Departments are recognized for conducting M.Phil., Research Programmes. The college has almost 2871 students on its rolls in various programmes. The College campus is about 40 acres which include both built up area and open space.

2. About Botanical Garden

Of the 40 acres of the college, 17 acres are exclusively covered by Botanical Garden that has been established in September, 2016. This Botanical Garden is the first of its kind in Government Arts and Science College for Women, Tamil Nadu. The trees present in the premises and the botanical garden make an excellent green ecosystem in the college.

3. Objectives of Green Campus

The development of urban area due to the necessity of increased population on another side reduces the green coverage of our natural environment. Growing of tree species wherever possible not only provides a healthy life style for human population but also acts as a habitat for other species of plants and animals that is vital for the living environment.

The objectives of maintaining green covering of the campus are

- Providing a healthy environment in college campus
- Enhancing the awareness towards ecosystem and environmental protection.
- Creating awareness on cleanliness and pollution control.
- Making the students to study the species of plants, birds, insects and other small animals and improving their knowledge on biodiversity
- Reducing the noise and air pollution.

4. Number of plants and important plant species of College Campus

4.1. Number of species in the premises

There are a total number of 390 plants maintained in the college premises. 48 different plant species covers the total number of plants (390) of premises. The plants are from important herbs, shrubs and tree species of different categories (medicinal, ornamental and etc.). The habit of plants varied from herb, shrub, tree, climber and also epiphyte. There are a total of 286 tree species, 65 shrubs, 30 herbs, 9 climbers. The details of plants species such as their botanical name, local and common names and corresponding families are given in Table 1.

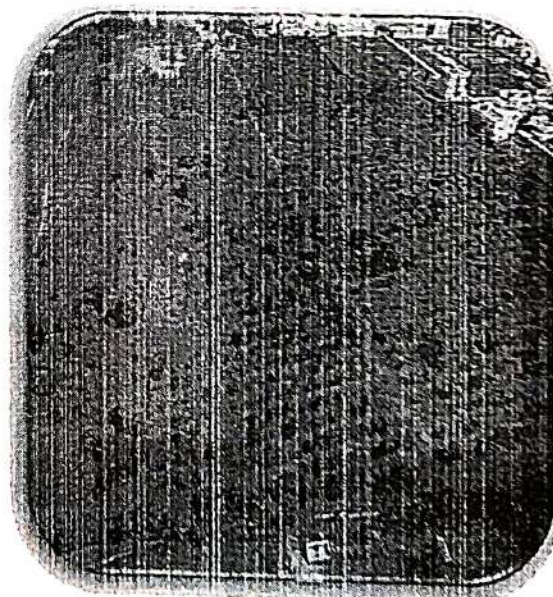
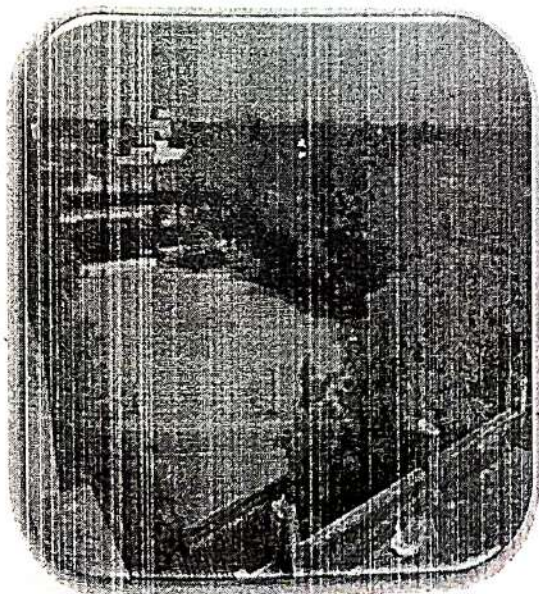
Table 1. List of plants species present in the college premises

Botanical Name	Common Name	Vernacular Name	Family	Total Number
<i>Pithecellobium dulce</i>	Madras Thorn Manila Tamarind	Kodukkaapuli	Fabaceae	15
<i>Albizia lebbek</i>	Siris Tree	Vagai	Fabaceae	5
<i>Syzygium cumini</i>	Java Plum	Naval	Myrtaceae	8
<i>Morinda tinctoria</i>	Indian Mulberry	Manjanathi	Rubiaceae	9
<i>Ficus religiosa</i>	Sacred Fig	Arasamaram	Moraceae	3
<i>Bougainvillea spectabilis</i>	Great bougainvillea	Kakithapoo	Nyctaginaceae	8
<i>Acacia leucophloea</i>	White-barked acacia	Velvelam	Fabaceae	3
<i>Senna siamea</i>	Kassod Tree	Manjalkonnai	Fabaceae	10
<i>Mangifera indica</i>	Mango Tree	Mamaram	Anacardiaceae	4
<i>Azadirachta indica</i>	Neem Tree	Veppamaram	Meliaceae	36
<i>Monoon longifolium</i>	Indian mast tree	Nettulingam	Annonaceae	18
<i>Eucalyptus globulus</i>	Southern blue gum	Thailamaram	Myrtaceae	13
<i>Bombax ceiba</i>	Malabar Silk Cotton Tree	Elava Maram	Malvaceae	1
<i>Pongamia pinnata</i>	Indian Beech Tree, Pongame Oil Tree	Pungan	Fabaceae	48
<i>Ixora coccinea</i>	Jungle Geranium	Vedchi /Idly poo	Rubiaceae	7
<i>Thespesia populnea</i>	Portia tree	Poovarasam	Malvaceae	5
<i>Caesalpinia pulcherrima</i>	Peacock flower	Mayil konrai	Caesalpiniaceae	4
<i>Morinda citrifolia</i>	Great Morinda	Ven Nuna	Rubiaceae	19

<i>Ficus sycomorus</i>	Sycamore Fig	Aathil maram	Moraceae	6
<i>Ziziphus jujuba</i>	Jujube	Elanthi	Rhamnaceae	5
<i>Opuntia sps.</i>	Prickly pear	Sapathikalli	Cactaceae	3
<i>Cassia fistula</i>	Golden Shower Tree	Sarakonral	Fabaceae	39
<i>Tabernaemontana divaricata</i>	Crepe Jasmine	Nandiar Vattai	Apocynaceae	6
<i>Tecoma stans</i>	Yellow elder	Thanga arali	Bignoniaceae	3
<i>Catharanthus roseus</i>	Madagascar Periwinkle	Nithya kalyani	Apocynaceae	9
<i>Nerium oleander</i>	Oleander	Arali	Apocynaceae	3
<i>Croton sps.</i>	Croton	Croton	Euphorbiaceae	2
<i>Muntingia calabura</i>	Cotton Candy Berry	Seenipazha sedi	Muntingiaceae	3
<i>Acacia auriculiformis</i>	Ear leaf tree	Kaththi Karuvai	Fabaceae	5
<i>Prosopis cineraria</i>	Sponge Tree	Vanni maram	Fabaceae	6
<i>Melia dubia</i>	Malabar Neem	Malai vembu	Meliaceae	5
<i>Datura metel</i>	Horn of Plenty plant	Oomathai	Solanaceae	3
<i>Delonix elata</i>	Creamy Peacock Flower	Vadanarayani	Fabaceae	6
<i>Anisomeles malabarica</i>	Malabar Calmint	Pacimiratti	Lamiaceae	7
<i>Vitex negundo</i>	Five-leaved Chaste Tree	Nochi	Verbenaceae	7
<i>Delonix regia</i>	Flame Tree	Semmayil - Kondrai	Fabaceae	7
<i>Acer saccharinum</i>	Silver Maple Tree	-	Sapindaceae	2
<i>Terminalia catappa</i>	Indian Almond	Nattuvadumai/ Vadham	Combretaceae	4

<i>Ficus benghalensis</i>	Banyan Tree	Aalamaram	Moraceae	2
<i>Euphorbia virosa</i>	Gifboom tree	Kalli chedi	Euphorbiaceae	2
<i>Lantana camara</i>	West Indian Lantana	Unni chedi	Verbenaceae	3
<i>Ocimum basilicum</i>	Great basil	Thiruneetru Pachilai	Lamiaceae	2
<i>Solanum trilobatum</i>	Red Pea egg plant	Thoodhuvalai	Solanaceae	8
<i>Cissus quadrangularis</i>	Adament Creeper	Pirandai	Vitaceae	7
<i>Coleus aromaticus</i>	Mexican Mint	Omavalli	Lamiaceae	3
<i>Centella asiatica</i>	Indian Pennywort	Vallarai	Apiaceae	9
<i>Bryophyllum pinnatum</i>	Life/Air Plant	Ranakalli	Crassulaceae	3
<i>Dalbergia latifolia</i>	Indian Rosewood	Thodhkathi	Fanaceae	4
			TOTAL	390

AERIAL VIEW OF COLLEGE CAMPUS AND BOTANICAL GARDEN



4.2 Key species of plants present in the premises

There are important medicinal herbs like *Catharanthus roseus*, *Ocimum sanctum*, *O. basilicum*, *Solanum trilobatum*, *Centella asiatica*, *Anisomeles malabarica*, *Coleus aromaticus* and *Bryophyllum pinnatum* maintained in the college. Important medicinal shrubs like *Morinda tinctoria*, *Datura metel*, *Abutilon indicum*, *Vitex negundo* and ornamental shrubs like *Tecoma stans*, *Ixora coccinea*, *Crotons*, *Nerium oleander* and Climber like *Bougainvillea spectabilis* are also grown in the college. Important tree species present in the premises are *Ficus religiosa*, *F. benghalensis*, *Senna siamea*, *Acacia leucophloea*, *A. auriculiformis*, *Melia dubia*, *Delonix elata*, *D. regia* and *Terminalia catappa*.

4.3. Number of species in the Botanical Garden

There are a total number of about 2012 plants maintained in the botanical garden of our college. Of these 2012 plants, 1808 plants are documented and a very few plants could not be identified. The plants are covered by 51 different plant species. The majority of (more than 95%) the plants consists tree species and the remaining are shrubs. These different species are represented by a total of 25 different families. The details such as botanical name, local and common names and corresponding families of the plants present in the garden are listed out and given in Table 2.

Table 2. List of plant species present in the College Botanical Garden

Botanical Name	Common Name	Vernacular Name	Family	Total Number
<i>Pithecellobium dulce</i>	Madras Thorn Manila Tamarind	Kodukkaapuli	Fabaceae	29
<i>Albizia lebbek</i>	Siris Tree	Vagai	Fabaceae	17
<i>Syzygium cumini</i>	Java Plum	Naval	Myrtaceae	56
<i>Tectona grandis</i>	Teak	Thekku	Verbenaceae	10
<i>Morinda tinctoria</i>	Indian Mulberry	Manjanathi	Rubiaceae	36
<i>Acacia leucophloea</i>	White-barked acacia	Velvelam	Fabaceae	26
<i>Azadirachta indica</i>	Neem Tree	Veppamaram	Meliaceae	880
<i>Monoon longifolium</i>	Indian mast tree	Nettulingam	Annonaceae	6

<i>Eucalyptus globulus</i>	Southern blue gum	Thailamaram	Myrtaceae	7
<i>Pongamia pinnata</i>	Indian Beech Tree, Pongame Oil Tree	Pungan	Fabaceae	350
<i>Thespesia populnea</i>	Portia tree	Poovarasam	Malvaceae	11
<i>Tamarindus indica</i>	Tamarind Tree	Puliamaram	Fabaceae	78
<i>Aegle marmelos</i>	Wood apple Tree	Vilvam	Rutaceae	7
<i>Punica granatum</i>	Pomegranate	Madhulai	Lythraceae	3
<i>Millingtonia hortensis</i>	Indian Cork Tree	Maramalli	Bignoniaceae	10
<i>Bauhinia variegata</i>	Orchid Tree	Mantharai	Fabaceae	4
<i>Lannea coromandelica</i>	Indian ash tree	Odhiyan	Anacardiaceae	8
<i>Pterocarpus santalinus</i>	Red sanders	Semmaram	Fabaceae	23
<i>Michelia champaca</i>	Champak	Senbagam	Magnoliaceae	5
<i>Calophyllum inophyllum</i>	Alexandrian Laurel Tree	Punnai	Calophyllaceae	20
<i>Phyllanthus acidus</i>	Star gooseberry	Arinelli	Phyllanthaceae	11
<i>Phyllanthus emblica</i>	Gooseberry	Nelli	Phyllanthaceae	17
<i>Diospyros ebenum</i>	Ebony	Karungali	Ebenaceae	2
<i>Ficus carica</i>	Fig	Athi	Moraceae	4
<i>Couroupita guianensis</i>	Cannon ball tree	Nagalingam	Lecythidaceae	6
<i>Prunus dulcis</i>	Almond	Vadhumai	Rosaceae	3
<i>Sterculia foetida</i>	Wild almon	Poothakarappan	Malvaceae	4
<i>Cordia dichotoma</i>	Indian Cherry	Naruvili	Boraginaceae	8
<i>Annona reticulata</i>	Wild sweet sop	Ramar Seethapazham	Annonaceae	11

<i>Wrightia tinctoria</i>	Dyer's oleander	Veppalai	Apocynaceae	4
<i>Mimusops elengi</i>	Spanish Cherry	Magizham	Sapotaceae	5
<i>Clusia rosea</i>	Autograph tree	-	Clusiaceae	6
<i>Achrás sapota</i>	Sapodilla	Sapota	Sapotaceae	4
<i>Manilkara hexandra</i>	Ceylon Iron Wood	Ulakkaipalai	Sapotaceae	8
<i>Malva pentandra</i>	Mallow tree	Panchu maram	Malvaceae	13
<i>Psidium guajava</i>	Guava	Koyya Maram	Myrtaceae	5
<i>Abrus precatorius</i>	Rosary Pea	Kundrimani	Fabaceae	3
<i>Elaeocarpus angustifolius</i>	Blue marble tree	Rudraksham	Elaeocarpaceae	2
<i>Terminalia chebula</i>	Black Myrobalan	Kadukkai	Combretaceae	2
<i>Terminalia bellirica</i>	Myrobalan	Thanrikai	Combretaceae	1
<i>Terminalia arjuna</i>	Arjun Tree	Marudhamaram	Combretaceae	2
<i>Caesalpinia pulcherrima</i>	Peacock flower	Mayil konrai	Caesalpinaceae	5
<i>Ziziphus jujuba</i>	Jujube	Elanthi	Rhamnaceae	15
<i>Cassia fistula</i>	Golden Shower Tree	Sarakonrai	Fabaceae	12
<i>Muntingia calabura</i>	Cotton Candy Berry	Seenipazha sedi	Muntingiaceae	15
<i>Prosopis cineraria</i>	Sponge Tree	Vanni maram	Fabaceae	7
<i>Melia dubia</i>	Malabar Neem	Malai vembu	Meliaceae	7
<i>Vitex negundo</i>	Five-leaved Chaste Tree	Nochi	Verbenaceae	3
<i>Delonix regia</i>	Flame Tree	Semmayil - Kondrai	Fabaceae	13

<i>Terminalia catappa</i>	Indian Almond	Nattuvadumai/ Vadham	Combretaceae	17
<i>Ficus benghalensis</i>	Banyan Tree	Aalamaram	Moraceae	7
			TOTAL	1808

4.4. Major Plant families and important plant species of Botanical Garden

The different species maintained in the botanical garden are coming under a total number of 25 different families. The members of Meliaceae and Fabaceae are found dominant in the Botanical garden. There are medicinally as well as economically important tree species like *Azadirachta indica*, *Syzygium cumini*, *Pongamia pinnata*, *Calophyllum inophyllum*, *Tamarindus indicus*, *Terminalia chebula*, *T. bellirica*, *Phyllanthus emblica* and *Melia dubia*, economically important plants like *Tectona grandis*, *Pterocarpus santalinus* and *Acacia leucophloea* are present in the garden. The Botanical garden to its fame and holiness contains sacred tree species like *Ficus religiosa*, *Ficus benghalensis*, *Aegle marmelos*, *Crescentia alata*, *Elaeocarpus angustifolius* and *Lagestroemia speciosa*

5. Outcome of maintaining greening in Campus

The enormous plant diversity of the college premises and botanical garden of our college provides a rich biodiversity and great green coverage. The major outcomes from this are

- About 3150 students benefitted by visiting this rich biodiversity of the campus during environmental study field visit
- Created awareness among students, their parents, faculties and staff member on Green and Clean environment
- Sequestration of CO₂ level and reduced noise pollution inside the college campus
- Enhanced ecosystem development and management

RECOMMENDATIONS

1. Properly Maintained and found Good
2. Helps for oxygen Evolution inside campus
3. Greenery Environment for collection campus
4. Pollution free campus
5. Enhances Birds population

EXPERT COMMITTEE

M. Razia

Dr. M. RAZIA

Assistant Professor
Department of Biotechnology
Mother Teresa Women's University
KODAIKANAL - 624 101

DATE: 20-4-2022

PLACE: DINDIGUL

A decorative border of palm trees surrounds the page. The border consists of a top row of 15 palm trees, a bottom row of 15 palm trees, and two vertical columns of 15 palm trees each on the left and right sides, forming a rectangular frame.

Gender Audit

**M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR
WOMEN**

(Affiliated to Mother Teresa Women's University, Kodaikanal)

Re-accredited with 'A' grade by NAAC

DINDIGUL – 624 001, TAMILNADU



GENDER AUDIT REPORT

2018-2019 to 2022-2023



M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

(Affiliated to Mother Teresa Women's University, Kodaikanal)

Re-accredited with 'A' grade by NAAC

DINDIGUL – 624 001, TAMILNADU

TEL : 0451 – 2460120

FAX: 0451 – 2460120

E-mail: mvmwdindigul@gmail.com

www.mvmcollegedindigul.org

GENDER AUDIT REPORT

M.V.Muthiah Government Arts college is rendering the service to empower the women status through education. There are 13 UG, 11 PG, 7 M.Phil and 3 Ph.D programme are offered to the rural sector students. The research programme is offered by Mathematics, Computer Sciences and English departments. Apart from the PGDCA diploma course, a government sponsored certificate course on CLP is being offered by the Computer Science Department. Among the total faculty strength, 30% staff members are Men and they are working here since 2013 and the duties are allotted equally to them.

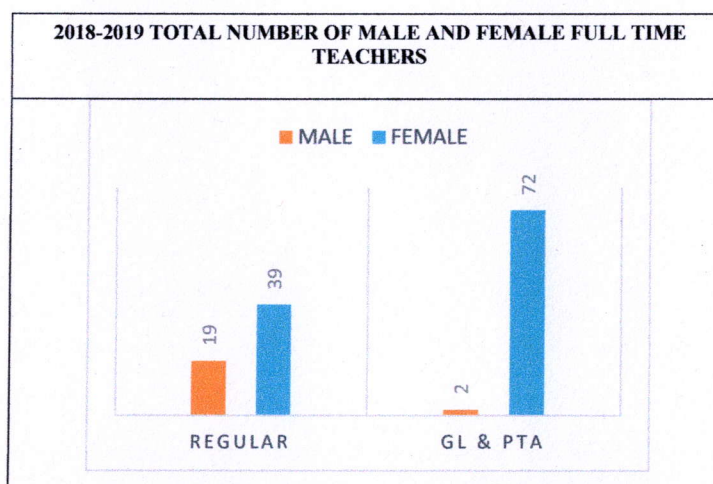
The college adopts a number of innovative Programme and healthy practices to encourage inter- disciplinary academic pursuit. The individual duties such as IQAC, NAAC, UGC, RUSA, PTA, Sports, Placement cell, NaanMuthalvan, Soft skill, NSS, Legal literacy club, Cyber crime, Thathapatti club, Rotaract club, YRC, RRC, Consumer club and other department duties are allotted to all the faculty without any gender discrimination. The staffs are responsible for conducting periodic programme so as to pave the way to enrich and empower the students with good academic as well as co-curricular skills. To assess the quality and able function of college, IQAC initiates for gender audit with analyzes in the form of graph, evaluates for future plan deployment.

For the past 5 academic years, the strength of teaching faculty and non teaching staff are collected based on gender. Both the male and female teachers take care of their wards involved in mentor and mentee system. The non teaching staff discharges official work, records maintenance, laboratory management along with ensuring the safety and security of college environment.

ACADEMIC YEAR-2018-2019

TOTAL NUMBER OF MALE AND FEMALE FULL TIME TEACHERS

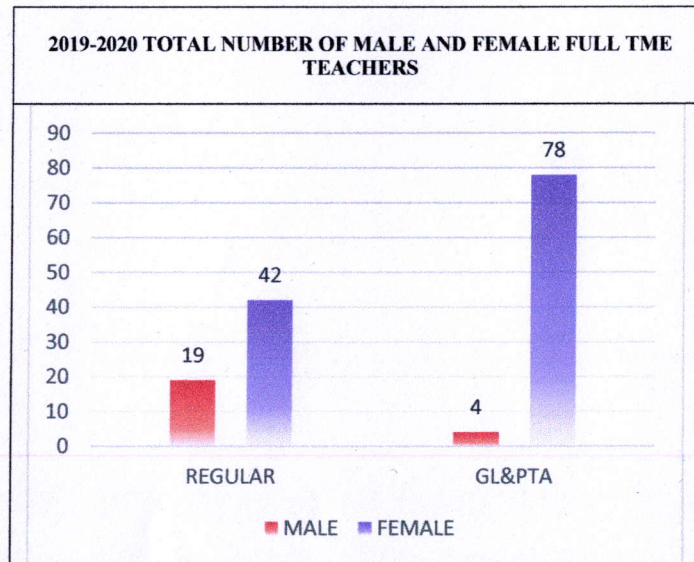
DEPARTMENT	REGULAR		GL & PTA		TOTAL
	Male	Female	Male	Female	
Statistics	-	1	-	-	1
Tamil	3	3	-	13	19
English	1	8	-	10	19
History	4	5	-	1	10
Economics	1	4	-	8	13
Commerce	2	2	-	6	10
Maths	4	-	-	10	14
Physics	1	2	-	1	4
Chemistry	-	2	-	5	7
Botany	1	1	2	2	6
Zoology	1	4	-	1	6
Geography	-	2	-	8	10
Computer science	1	5	-	7	13
BBA	-	-	-	-	-
TOTAL	19	39	2	72	132



ACADEMIC YEAR 2019-2020

TOTAL NUMBER OF MALE AND FEMALE FULL TME TEACHERS

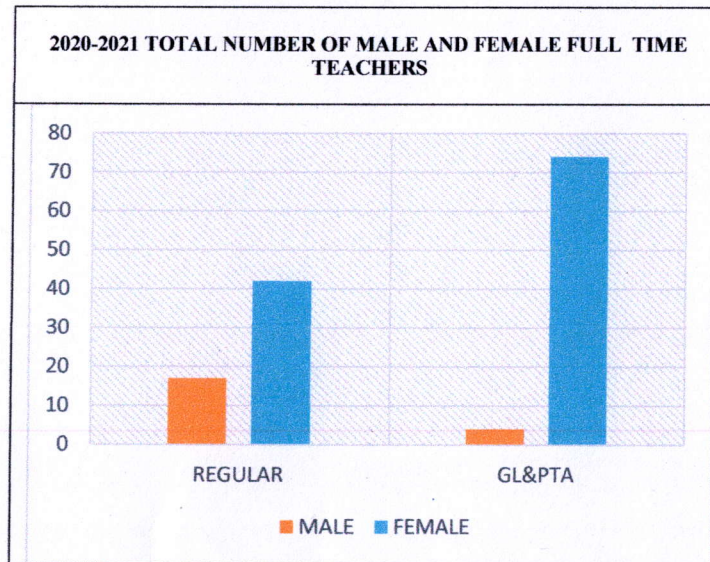
DEPARTMENT	REGULAR		GL & PTA		TOTAL
	Male	Female	Male	Female	
Statistics	-	1	-	-	1
Tamil	3	5	-	14	22
English	2	7	-	11	20
History	3	6	-	1	10
Economics	1	4	-	9	14
Commerce	2	2	-	7	11
Maths	4	-	-	10	14
Physics	1	2	1	1	5
Chemistry	-	2	-	6	8
Botany	1	1	2	2	6
Zoology	1	3	1	3	8
Geography	-	2	-	8	10
Computer science	1	6	-	6	13
BBA	-	1	-	-	1
TOTAL	19	42	4	78	143



ACADEMIC YEAR 2020-2021

TOTAL NUMBER OF MALE AND FEMALE FULL TIME TEACHERS

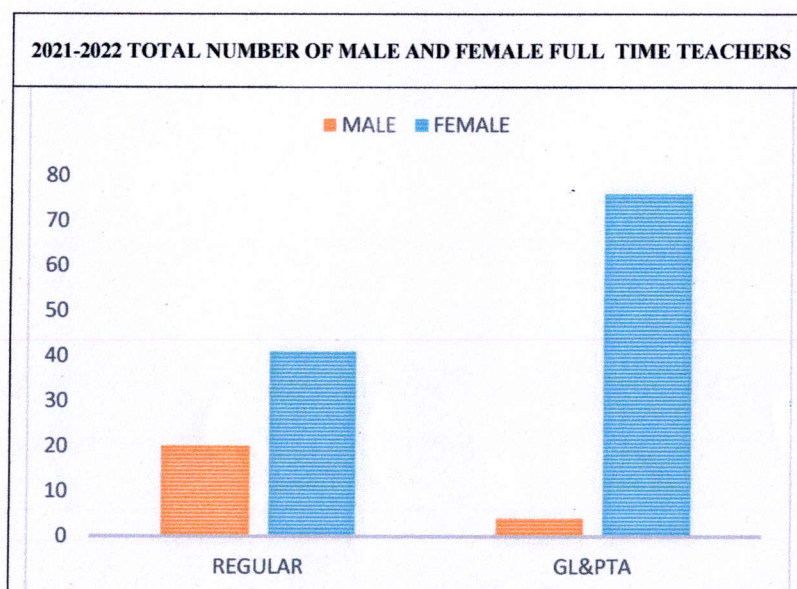
DEPARTMENT	REGULAR		GL & PTA		TOTAL
	Male	Female	Male	Female	
Statistics	-	1	-	-	1
Tamil	3	5	-	14	22
English	2	7	-	10	19
History	3	5	-	1	9
Economics	1	3	-	10	14
Commerce	-	4	-	5	9
Maths	4	-	-	11	15
Physics	1	2	1	1	5
Chemistry	-	2	-	6	8
Botany	1	1	2	1	5
Zoology	1	3	1	2	7
Geography	-	2	-	8	10
Computer science	1	6	-	5	12
BBA	-	1	-	-	1
TOTAL	17	42	4	74	137



ACADEMIC YEAR 2021-2022

TOTAL NUMBER OF MALE AND FEMALE FULL TIME TEACHERS

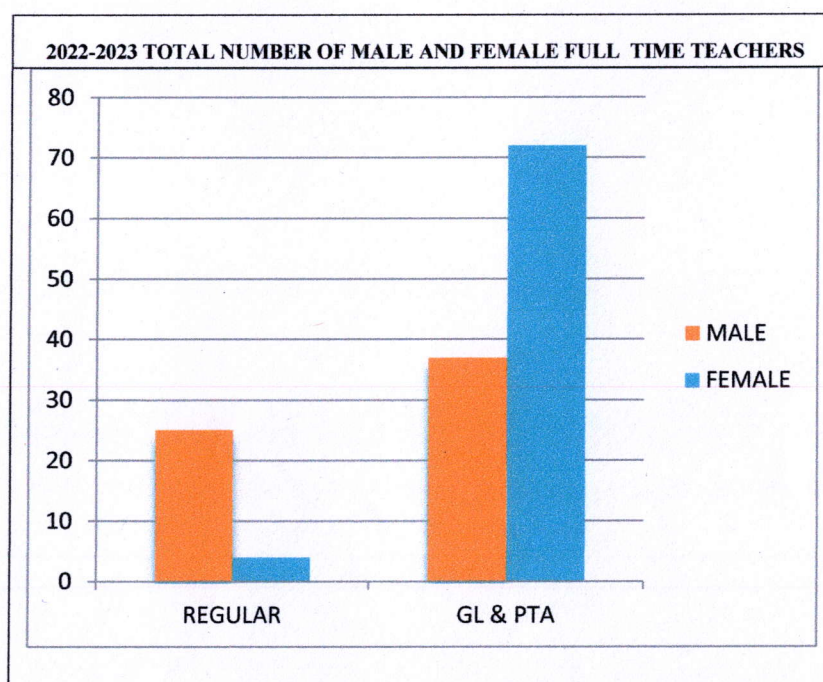
DEPARTMENT	REGULAR		GL & PTA		TOTAL
	Male	Female	Male	Female	
Statistics	-	1	-	-	1
Tamil	3	4	-	14	21
English	2	7	-	10	19
History	4	4	-	1	9
Economics	1	2	-	9	12
Commerce	2	2	-	7	11
Maths	4	-	-	11	15
Physics	1	2	1	2	6
Chemistry	-	2	-	5	7
Botany	1	2	2	1	6
Zoology	1	4	1	3	9
Geography	-	2	-	7	9
Computer science	1	6	-	6	13
BBA	-	3	-	-	3
TOTAL	20	41	4	76	141



ACADEMIC 2022-2023

TOTAL NUMBER OF MALE AND FEMALE FULL TIME TEACHERS

DEPARTMENT	REGULAR		GL & PTA		TOTAL
	Male	Female	Male	Female	
Statistics	-	1	-	-	1
Tamil	3	3	-	12	18
English	3	5	-	10	18
History	5	3	2	-	10
Economics	1	2	-	9	12
Commerce	2	2	-	6	10
Maths	4	-	-	11	15
Physics	1	2	1	2	6
Chemistry	1	2	-	6	9
Botany	1	2	1	1	5
Zoology	2	3	-	3	8
Geography	-	2	-	6	8
Computer science	1	7	-	6	14
BBA	1	3	-	-	4
TOTAL	25	37	4	72	138



TOTAL NUMBER OF MALE AND FEMALE FACULTIES FOR 5 COMPLETED ACADEMIC YEARS:

Academic year	Male	Female	Male	Female	Total
2018-2019	19	39	2	72	132
2019-2020	19	42	4	78	143
2020-2021	17	42	4	74	137
2021-2022	20	41	4	76	141
2022-2023	25	37	4	72	138

The number of male and female faculty members for the past 5 academic years have been collected, tabulated and presented in the form of graphical representation. The results showed that female faculties outnumber the male and found to be more in number since it is women's educational institution. Moreover the governing council body is represented by higher number of women HODs and with a lower number of two male faculties representing Maths dept and library. Similarly the total number of full time teachers calculated for 5 years revealed that 2019-2020 and 2021-2022 were found to be little higher than other years.

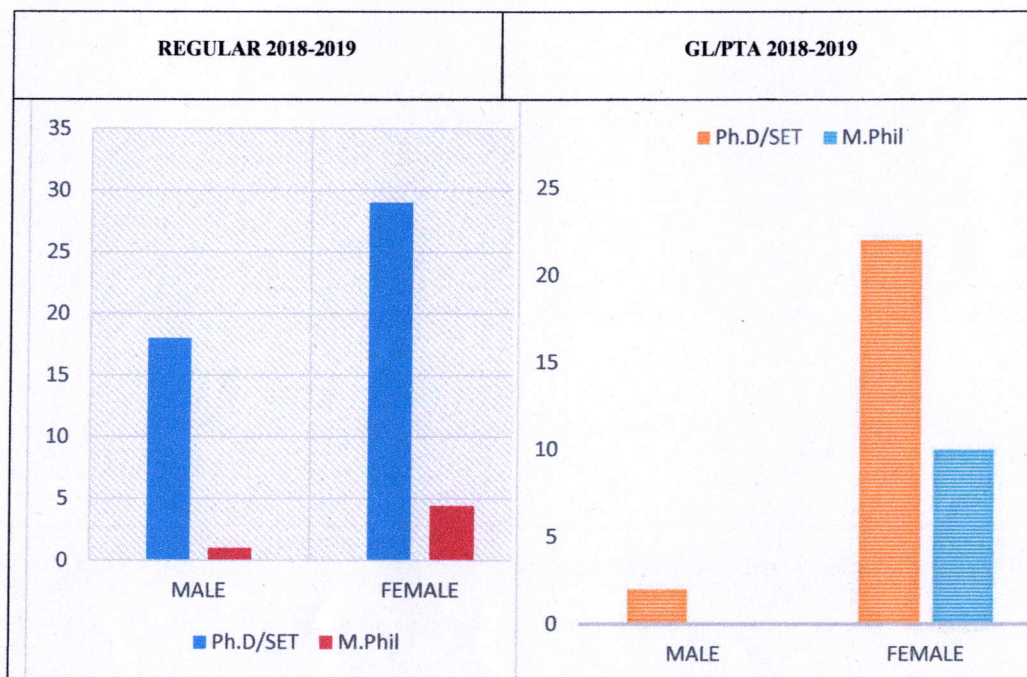
2018-2019

The Highest qualification of both male and female faculty members for the past 5 academic years have been collected, tabulated and presented in the form of graphical representation. The results showed that female faculties outnumber the male with highest doctorate degree/NET/SLET/SET and men are found to be less in number with higher qualification of doctorate degree/NET/SLET/SET. The other faculties are with M.Phil and very few are PG degree holders.

2018-2019

NUMBER OF MALE AND FEMALE WITH HIGHEST QUALIFICATION:

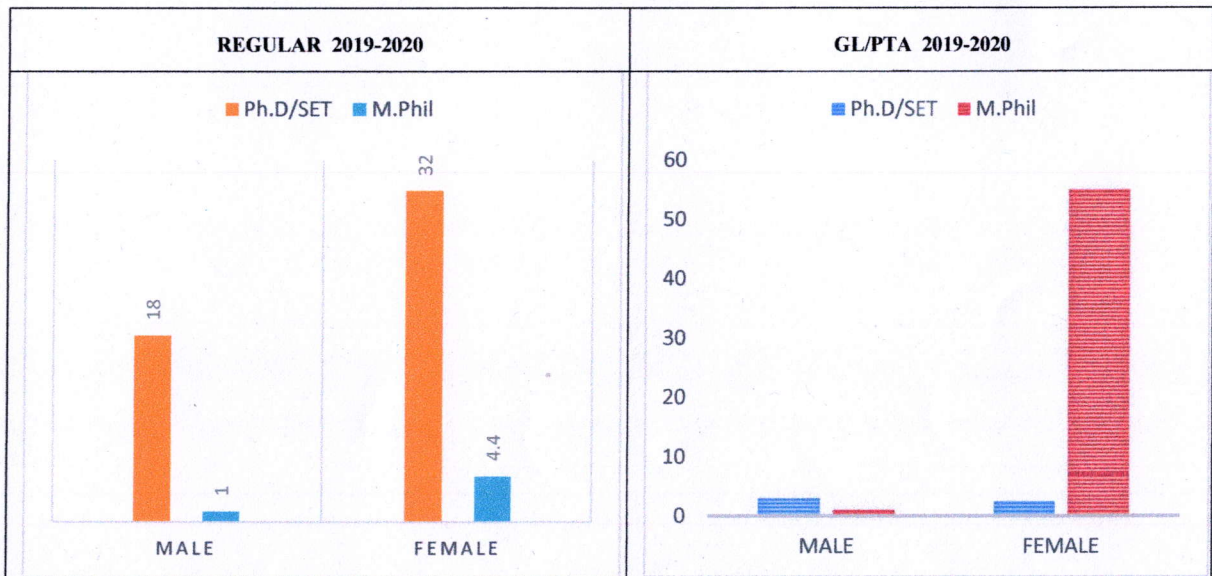
DEPARTMENT	REGULAR				GL & PTA				TOTAL
	Male		Female		Male		Female		
	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	
Statistics	-	-	-	1	-	-	-	-	1
Tamil	3	-	3	-	-	-	8	5	19
English	1	-	4	4	-	-	SET 3	7	19
History	4	-	3	2	-	-	1	-	10
Economics	1	-	4	-	-	-	2	6	13
Commerce	2	-	2	-	-	-	2	4	10
Maths	3	1	-	-	-	-	-	10	14
Physics	1	-	2	-	-	-	1	-	4
Chemistry	-	-	2	-	-	-	-	5	7
Botany	1	-	1	-	2	-	SET 1	1	6
Zoology	1	-	4	-	-	-	-	1	6
Geography	-	-	2	-	-	-	4	4	10
Computer science	1	-	2	3	-	-	-	7	13
BBA	-	-	-	-	-	-	-	-	-
TOTAL	18	1	29	10	2	-	22	50	132



2019-2020

NUMBER OF MALE AND FEMALE WITH HIGHEST QUALIFICATION:

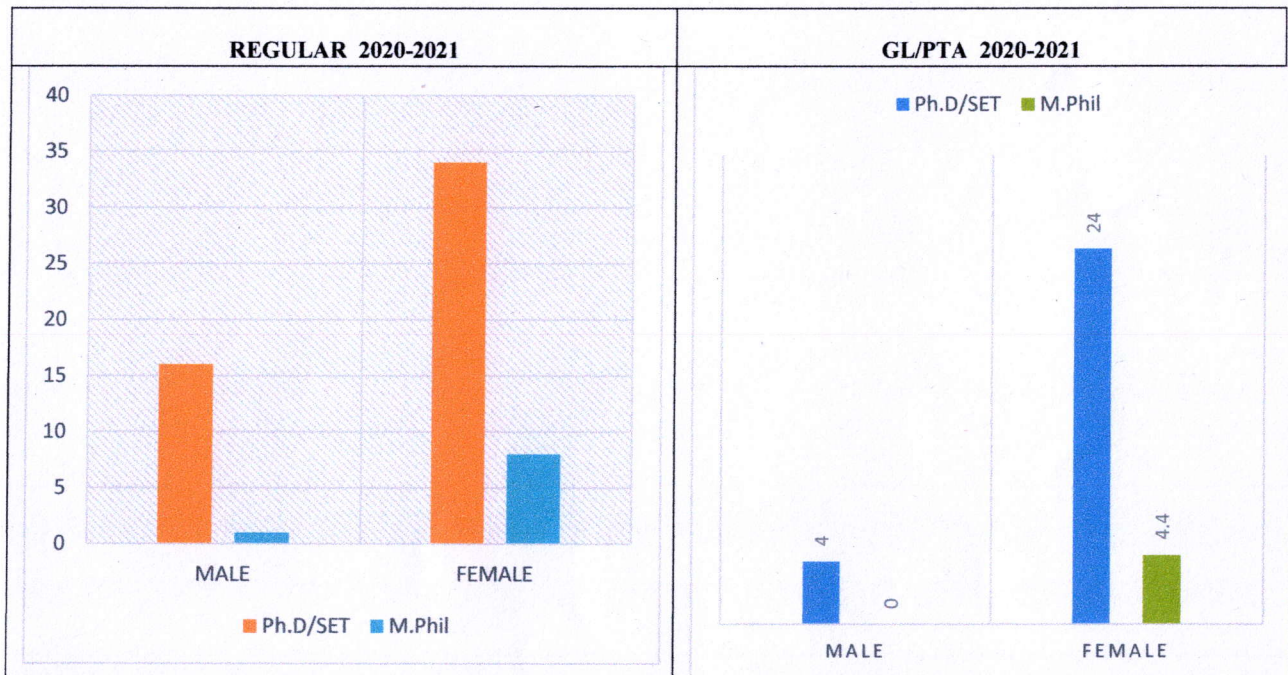
DEPARTMENT	REGULAR				GL & PTA				TOTAL
	Male		Female		Male		Female		
	Ph.D/S ET	M.Ph il	Ph.D/SE T	M.Ph il	Ph.D/S ET	M.Ph il	Ph.D/ SET	M.Phil	
Statistics	-	-	-	1	-	-	-	-	1
Tamil	3	-	5	-	-	-	9	5	22
English	2	-	4	3	-	-	SET 3	8	20
History	3	-	4	2	-	-	-	1	10
Economics	1	-	3	1	-	-	3	6	14
Commerce	2	-	2	-	-	-	2	M.PHIL 3 M.COM 2	11
Maths	3	1	-	-	-	-	-	10	14
Physics	1	-	2	-	-	M.SC 1	-	1	5
Chemistry	-	-	2	-	-	-	-	6	8
Botany	1	-	1	-	2	-	SET 1 PH.D 1	-	6
Zoology	1	-	3	-	1	-	1	2	8
Geography	-	-	2	-	-	-	3	5	10
Computer science	1	-	3	3	-	-	-	6	13
BBA	-	-	1	-	-	-	-	-	1
TOTAL	18	1	32	10	3	1	23	55	143



2020-2021

NUMBER OF MALE AND FEMALE WITH HIGHEST QUALIFICATION:

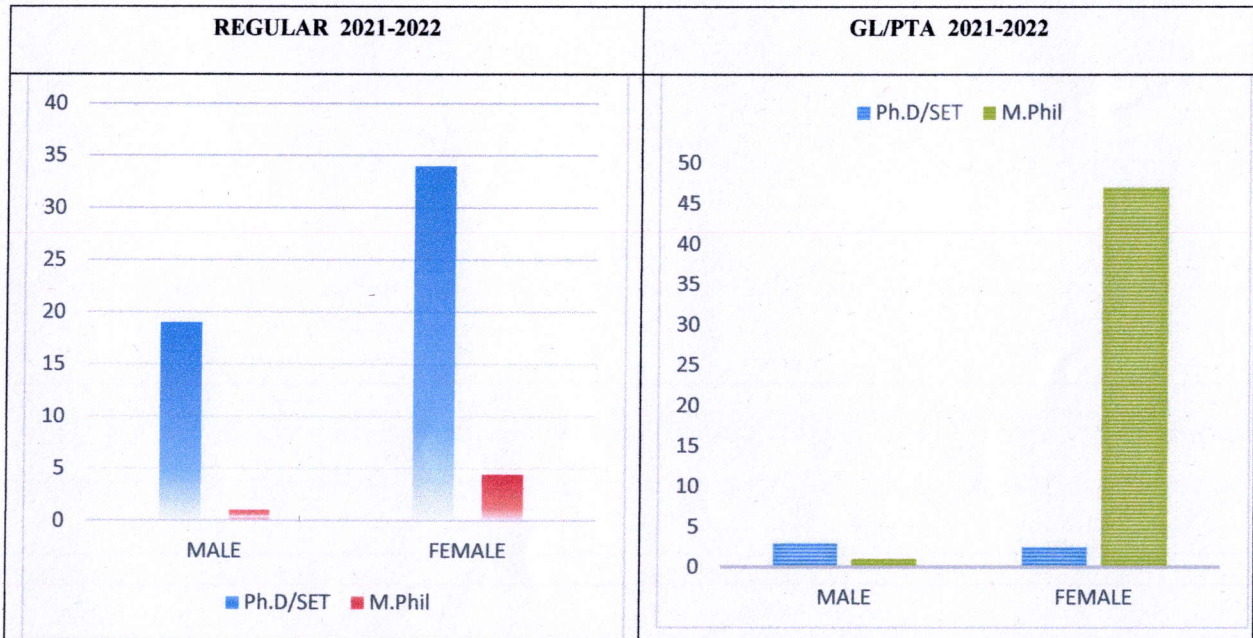
DEPARTMENT	REGULAR				GL & PTA				TOTAL
	Male		Female		Male		Female		
	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	
Statistics	-	-	-	1	-	-	-	-	1
Tamil	3	-	5	-	-	-	9	5	22
English	2	-	4	3	-	-	SET 3	7	19
History	3	-	4	1	-	-	-	1	9
Economics	1	-	3	-	-	-	3	7	14
Commerce	-	-	4	-	-	-	3	2	9
Maths	3	1	-	-	-	-	-	11	15
Physics	1	-	2	-	SET 1	-	-	1	5
Chemistry	-	-	2	-	-	-	-	6	8
Botany	1	-	1	-	2	-	SET 1	-	5
Zoology	1	-	3	-	1	-	-	2	7
Geography	-	-	2	-	-	-	5	3	10
Computer science	1	-	3	3	-	-	-	5	12
BBA	-	-	1	-	-	-	-	-	1
TOTAL	16	1	34	8	4	-	24	50	137



2021-2022

NUMBER OF MALE AND FEMALE WITH HIGHEST QUALIFICATION:

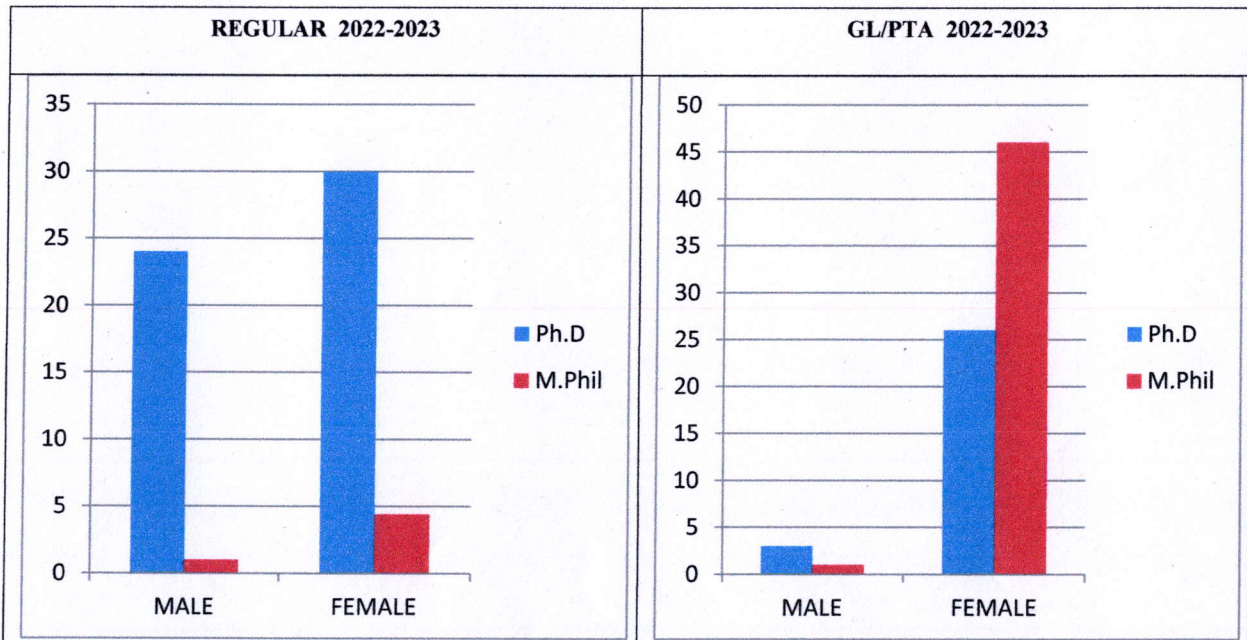
DEPARTMENT	REGULAR				GL & PTA				TOTAL
	Male		Female		Male		Female		
	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	
Statistics	-	-	-	1	-	-	-	-	1
Tamil	3	-	4	-	-	-	9	5	21
English	2	-	4	3	-	-	SET 3 PH.D 2	5	19
History	4	-	3	1	-	-	-	1	9
Economics	1	-	2	-	-	-	3	6	12
Commerce	2	-	2	-	-	-	3	M.PHIL 2 M.COM 2	11
Maths	3	1	-	-	-	-	-	11	15
Physics	1	-	2	-	-	M.SC 1	1	1	6
Chemistry	-	-	2	-	-	-	-	5	7
Botany	1	-	2	-	2	-	SET 1	-	6
Zoology	1	-	4	-	1	-	1	2	9
Geography	-	-	2	-	-	-	5	2	9
Computer science	1	-	4	2	-	-	1	5	13
BBA	-	-	3	-	-	-	-	-	3
TOTAL	19	1	34	7	3	1	29	47	141



2022-2023

TOTAL NUMBER OF MALE AND FEMALE WITH HIGHEST QUALIFICATION:

DEPARTMENT	REGULAR				GL & PTA				TOTAL
	Male		Female		Male		Female		
	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	Ph.D/SET	M.Phil	
Statistics	-	-	-	1	-	-	-	-	1
Tamil	3	-	3	-	-	-	8	4	18
English	3	-	2	3	-	-	5	5	18
History	5	-	2	1	2	-	-	-	10
Economics	1	-	2	-	-	-	2	7	12
Commerce	2	-	2	-	-	-	3	3	10
Maths	3	1	-	-	-	-	-	11	15
Physics	1	-	2	-	-	1	1	1	6
Chemistry	1	-	2	-	-	-	-	6	9
Botany	1	-	2	-	1	-	-	1	5
Zoology	2	-	3	-	-	-	1	2	8
Geography	-	-	2	-	-	-	5	1	8
Computer science	1	-	5	2	-	-	1	5	14
BBA	1	-	3	-	-	-	-	-	4
TOTAL	24	1	30	7	3	1	26	46	138



CONSOLIDATED DATA OF MALE AND FEMALE FACULTIES WITH HIGHEST QUALIFICATION:

year	REG MALE Ph.D/SET	REG MALE M.Phil	REG FEMALE Ph.D/SET	REG FEMALE M.Phil	TEMP MALE Ph.D/SET	TEMP MALE M.Phil	TEMP FEMALE Ph.D/SET	TEMP FEMALE M.Phil	TOTAL
2018-2019	18	1	29	10	2	-	22	50	132
2019-2020	18	1	32	10	3	1	23	55	143
2020-2021	16	1	34	8	4	-	24	50	137
2021-2022	19	1	34	7	3	1	29	47	141
2022-2023	24	1	30	7	3	1*	26	43 3*	138

TOTAL NUMBER OF ASSOCIATE AND ASSISTANT PROFESSORS:

year	REG MALE ASSOCIATE	REG MALE ASSISTANT	REG FEMALE ASSOCIATE	REG FEMALE ASSISTANT	TEMP MALE ASSISTANT	TEMP FEMALE ASSISTANT	
2018-2019	0	19	4	35	2	72	132
2019-2020	1	18	7	35	4	78	143
2020-2021	1	16	5	37	4	74	137
2021-2022	0	20	6	35	4	76	141
2022-2023	0	24	6	29	2	72	133
2022-2023	1	24	7	30	4	72	138

The college is established with 13 programmes which increases the number of teaching staff strength every year. The data was collected and tabulated for 5 years from 2018 onwards. According to the report, the total strength of staff is 138. The report revealed the total strength of staff have been collected and categorized as assistant and associate professors. Among the 138 faculties, 1 man and 6 women staff are serving as associate professors where 28 men and 102 women staff are serving as assistant professors respectively.

**TOTAL NUMBER OF MALE AND FEMALE FACULTIES WHO GRACED THE ACADEMIC
AND CO CURRICULAR ACTIVITIES.**

YEAR	ASSOCIATION MEETING No of invited speakers		ACADEMIC ACTIVITIES No of chair persons		ANNUAL FUNCTIONS Number of chief guests		Total number
	MALE	FEMAL	MALE	FEMALE	MALE	FEMAL	
2018-2019	9	4	8	5	12	8	46
2019-2020	5	8	24	15	2	9	63
2020-2021	5	8	26	12	0	3	54
2021-2022	7	7	15	12	7	3	51
2022-2023	6	8	14	10	6	8	52

Our college has been maintaining its own tradition and pride since 1969. Every year, the staff and students have been enriched and exposed by conducting various academic programme and annual functions. The department wise Association meetings have been organized for students to enhance their skills and knowledge and to improve their academic endeavors. Both men and women academicians and reputed persons are invited to chair the programmes without any gender discrimination.

TOTAL NUMBER OF MALE AND FEMALE NON TEACHING STAFF

YEAR	REG MALE	REG FEMALE	REG FEMALE TECHNICAL	TEMP MALE	TEMP FEMALE	TEMP TECHNICAL STAFF ASST	TOTAL
2018-2019	6	5	2	5	5	5	28
2019-2020	6	5	2	5	14	5	37
2020-2021	6	5	2	6	2	-	21
2021-2022	2	5	2	5	10	5	29
2022-2023	2	4	2	5	13	5	31

The total survey of Male and female non-teaching staff collected for the past five years from 2018 onwards was found to be 30. Out of 30 staff members, Regular male and female strength was 3 in each category; Regular technical female staff strength was 2. The temporary staff strength was 5 and 12 of Male and female respectively; the temporary technical staff was 5. All the non-teaching staff members have been treated equally without having any gender bias and discriminations.

GENDER SENSITIZATION SURVEY:

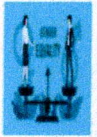
A gender SENSITIZATION survey was conducted through online in Google form with 10 questions and posted the Google form link to students. A total number of 300 students responded for this sensitization program. The various suggestions put forth by the respondents are represented in the form of pie diagram.

GENDER SENSITIZATION SURVEY.

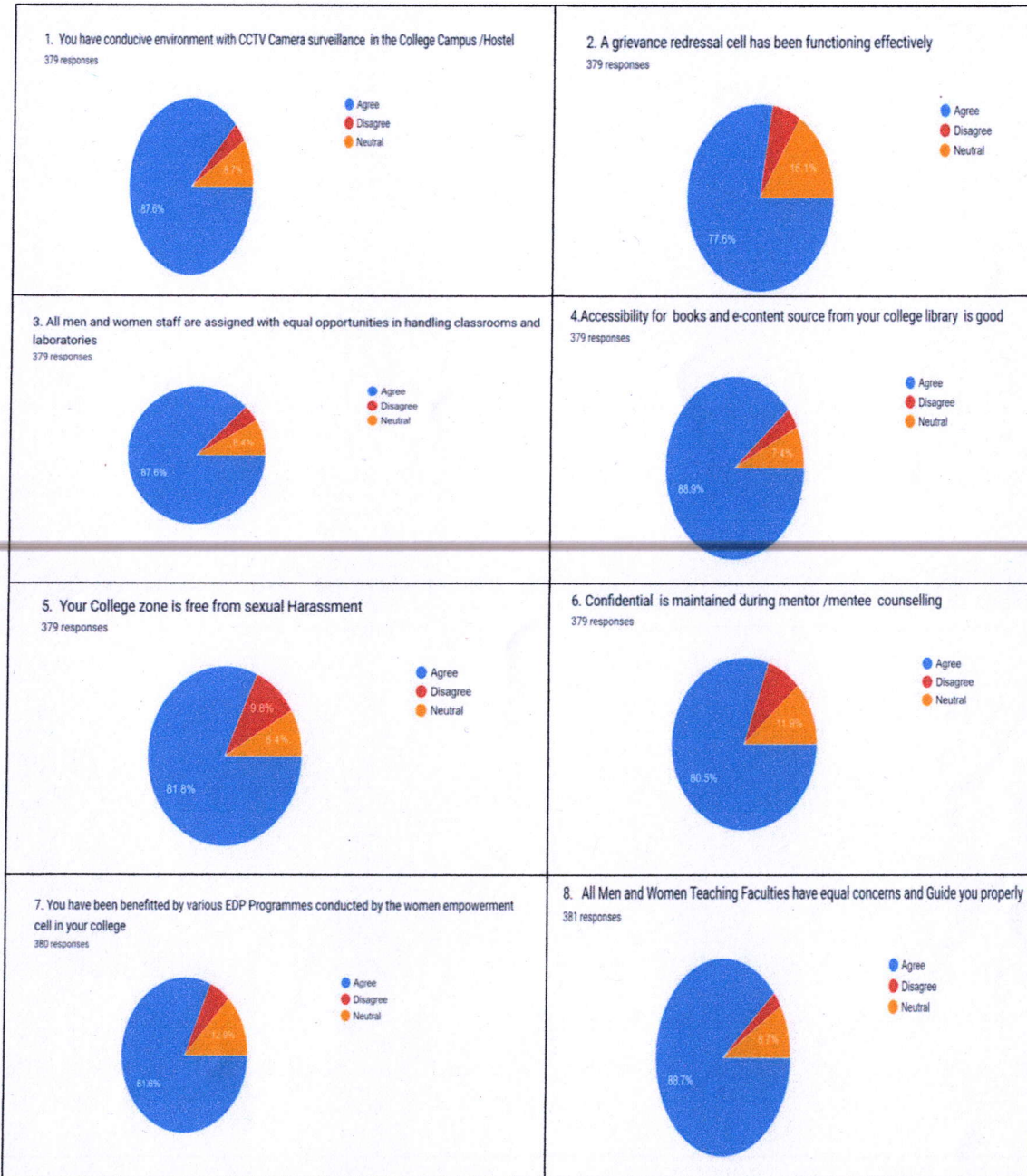
GOOGLE FORM LINK

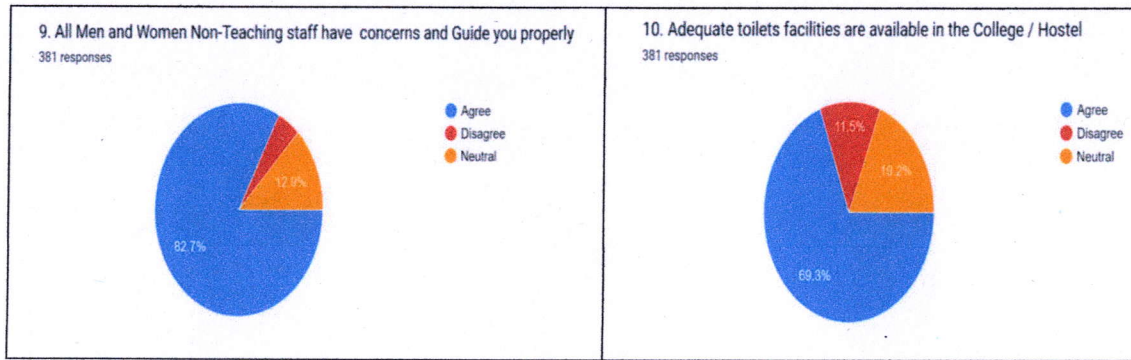
<https://docs.google.com/forms/d/e/1FAIpQLSeyFhjjj1Tdf6dMIQBlh-v74lwh-OqHV3C1GXOgdQJYry2JQ/viewform?vc=0&c=0&w=1&flr=0>

SURVEY QUESTIONS.

<p>M.V.MUTHIAH GOVT ARTS COLLEGE FOR WOMEN-DINDIGUL- 624 001 TAMIL NADU. 2022-2023</p> <p>Students are asked to Read the Questions and Submit your Feedback</p> <p>maamvmt@gmail.com Link to create</p> <p>1st sheet</p> <p>*Feedback required question</p> 	<p>Mail id *</p> <p>Your answer</p> <p>Name of the Student *</p> <p>Your answer</p> <p>Register number *</p> <p>Your answer</p> <p>Major and Year *</p> <p>Your answer</p>	<p>1. You have conducive environment with CCTV Camera surveillance in the College Campus /Hostel *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p> <p>2. A grievance redressal cell has been functioning effectively *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p>	<p>3. All men and women staff are assigned with equal opportunities in handling classrooms and laboratories *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p> <p>4. Accessibility for books and e-content source from your college library is good *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p>
<p>5. Your College zone is free from sexual Harassment *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p> <p>6. Confidential is maintained during mentor /mentee counselling *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p>	<p>7. You have been benefitted by various EDP Programmes conducted by the women empowerment cell in your college *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p> <p>8. All Men and Women Teaching Faculties have equal concerns and Guide you properly *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p>	<p>9. All Men and Women Non-Teaching staff have concerns and Guide you properly *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p> <p>10. Adequate toilets facilities are available in the College / Hostel *</p> <p><input type="radio"/> Agree</p> <p><input type="radio"/> Disagree</p> <p><input type="radio"/> Neutral</p> <p><input type="button" value="Submit"/> <input type="button" value="Clear form"/></p> <p><small>Never submit passwords through Google Forms.</small></p> <p><small>This content is neither created nor endorsed by Google. Report Abuse Terms of Service Privacy Policy</small></p>	

GENDER SENSITATION SURVEY GRAPHICAL REPRESENTATION.





CONCLUSION.

- Of the total employees the working women outnumbered the male faculties.
- Among the faculties, the percentage of male faculties are recorded with highest qualification compared to the percentage of female Faculties.
- More number of assistant professors are working than ASSOCIATE PROFESSORS which Implies that the period of career promotion is lagging behind for some faculties.
- Like wise. equal importance is given in decision making about the gender of chief guests to serve as chair persons.
- The survey concluded that our campus is free from sexual harassment ensuring safe and conducive environment for girl students to study and progress further in their pathway.

AUDIT COMMITTEE MEMBERS

SUGGESTIONS / RECOMMENDATIONS

- Biased free atmosphere is highly appreciated.

m. yamolkans
SIGNATURE

PRINCIPAL
1. AUDIT COMMITTEE MEMBER
Govt. Arts College for Women
NILAKOTTAI - 624 208,
DINDIGUL DISTRICT
CI 203.

G. S. Angel
1.7.23.
SIGNATURE

2. AUDIT COMMITTEE MEMBER,
Principal
Government Arts and Science
College for Women
Kodaikanal - 624 101.

Dr. S. P. Rajasakar
Dr. S. P. Rajasakar, Ph.D.,
Assistant Professor
Department of Mathematics
Government Arts College for Women
NILAKOTTAI - 624 202.