



P.K.M. COLLEGE OF EDUCATION

MADAMPAM, KAITHAPRAM P. O., KANNUR – 670 631

(Govt. Aided Teacher Education Institution affiliated to Kannur University)

Recognized by NCTE included under UGC 2(f) & 12(B) category

Accredited by NAAC with 'A' Grade, (Second cycle -4 point scale), RUSA 2.0 beneficiary

7.1.1: Institution has a stated energy policy streamlining ways of energy conservation, use of alternate sources of energy for meeting its power requirements

ENERGY AUDIT

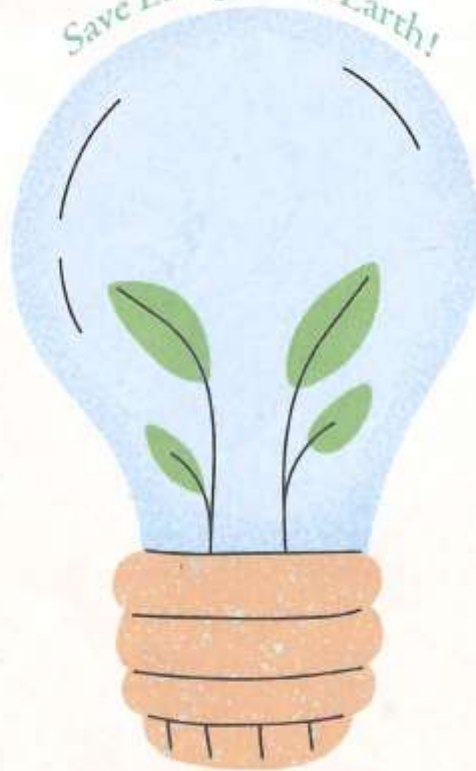


Energy Audit

ENERGY AUDIT

2022-23

Save Energy, Save Earth!




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P.K.M. COLLEGE OF EDUCATION
KATHAPRAM, P. O., MADAMPAM
SREEKANDAPURAM, KANNUR DT.,-670631



P. K. M. College of Education

Affiliated to Kannur University
Accredited by NAAC with 'A' Grade

Energy Audit Team

External Energy Auditor:

Asst. Engineer Electrical Sector


Local Body Member : Dr. Philomina K. V.
Municipal Chairperson
Sreekandapuram Municipality

Internal Audit Members

Convenor: Dr. Prasanth Mathew
(Asst. Professor in Physical Science)

Members : 1. Dr. Veena Appukuttan
(IQAC Coordinator)
2. Dept. of Physical Science - STUDENT TEACHERS






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SREEKANDAPURAM, KANNUR DT.,-670631




AUTHENTICATION

This is to certify that we have conducted an energy audit for P.K.M College of Education, Madampam, to assess the energy costs, availability and reliability of supply of energy, energy conservation technologies and ways to reduce energy consumption. The measures and actions taken by the college management to maintain energy sustainability are remarkable and appreciable.


Appachan K.T.
Rtd. Assistant Engineer
KSEB.
(External Auditor)


Dr. Philomina K V
(Municipal Chairperson, Sreekandapuram)


Dr. Prasanth Mathew
(Internal Auditor)
Assistant Professor
Dept. of Physical Science.

Dr. K.V. Philomina Teacher
Chairperson
Sreekandapuram Municipality

Date: 09/03/2023

Place: Madampam




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ACKNOWLEDGEMENT

The team responsible for this audit comprised of Dr. Veena Appukuttan (Asst. Professor in Social Science & IQAC Coordinator) under the supervision and direction of Dr. Prasanth Mathew (Asst. Professor Dept. of Physical Science, P.K.M College of Education, Madampam), would like to thank those individuals who contributed to this project, particularly the college management, Principal, P.K.M College of Education Madampam, all the faculties and staff who provided insights and comments as part of this audit.





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SREEKANDAPURAM, KANNUR DT.,-670631



TABLE OF CONTENTS

1. Introduction.....	6
2. Target Areas of Energy Auditing.....	7
3. Objectives of the Audit.....	8
4. Energy Audit.....	9
5. Methodology Adopted.....	9
6. Energy Audit Report.....	9
7. Recommendations.....	16



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INTRODUCTION

About the college

P.K.M. College of Education, Madampam, Kannur is a Christian minority educational institution. The College was established in 1995 as a self-financing institution and was transformed into an aided college in 1997. It is affiliated to Kannur University and is recognized by NCTE and UGC under 2(f) & 12(B) category. This temple of learning is dedicated to the Sacred Heart of Jesus and is named after Prof. Joseph Kandoth, who was an educational visionary, social reformer and a zealous missionary. He initiated the historical migration of Knanaya Catholic Community which in turn changed the social and economic history of Malabar. P.K.M College of Education is a temple of learning with difference among the scores of educational institutions in Kerala. The institution is run by the Arch Diocese of Kottayam, belonging to the Knanaya Catholic Community and has invariable relevance as a training institution moulding the prospective teachers for the community, in particular, and society, at large. The college aims to spell out the darkness of ignorance and illiteracy and radiate the glow of enlightenment. The mission of the college is "To Nurture the Holistic Development of Prospective Teachers for a Just and Humane Society."

At present H.E. Mar. Mathew Moolakkat, Arch Bishop of Kottayam Diocese is the patron and H.E. Mar. Joseph Pandarasseril, the Auxiliary Bishop is the Manager. The college is accredited by NAAC with A grade (4-point scale), in the second cycle also.

Mission

To Nurture the Holistic Development of Prospective Teachers for a Just and Humane Society

Vision

Excellence and Committed Service in Every Realm of Teaching Endeavour.




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Table : 1.Course offered by the college

Bachelor of Education	English
	Malayalam
	Mathematics
	Natural science
	Physical science
	Social science

SOLAR POWER PLANT

In Contract with Kerala State Electricity Board, P.K.M college is equipped with a 5KW Grid-tied Solar PV power project on the Rooftop. which was installed and commissioned in 2018. The whole design aspects and installation are made in such a way that we could efficiently harvest power. Moreover, it can withstand heavy power consumption which helps to save energy.

URJAKIRAN

URJA KIRAN is an Energy Conservation Awareness Campaign (ECAC) initiated by the "State Designated Agency"- Energy Management Centre (EMC), Government of Kerala in the year 2015-16. P.K.M. College of Education has been the "Participating Agency" for Irikkur Assembly Constituency since 2015. As part of the URJA KIRAN, the college organized Energy Conservation Awareness Campaigns for the general public at different parts of the Constituency.

TARGET AREAS OF ENERGY AUDITING

The P.K.M. College of Education has a total area of 5 Acres.

Table 3: Area details of the PKM college of education campus

Sl. No	Class Rooms	Room No	Size in sq.m
1	English	19	63.48
2	Malayalam	18	64.38
3	Mathematics	31	63.33
4	Natural Science	10	43.32




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P K M College of Education

5	Physical Science	11	64.44
6	Social Science	30	95.69
7	Staff Room	23	87.97
8	Office - i	4	30.38
9	Office - 2	21	30.45
10	Principal Room	1	55.66
11	Multipurpose hall Auditorium	28	180.77
12	Multipurpose hall General class	16	180
13	Library cum Reading room	7	108.93
14	Seminar Hall	20	29.59
15	Canteen	24 , 26	82.67
16	IQAC	5	35.09
17	Psychology Room	17	30.63
18	Health fitness, Sports & Yoga room	33	119.94
19	Art & Drama	23	20.24
20	Visitors Room	3	40.19
21	Library store Room	9	20.11
22	IT Room	15	46.85
23	Conference hall	27	46.85
24	Common Room	34	15.88
25	Godown	36	42.84
26	Kitchen	12	7.16



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OBJECTIVES OF THE AUDIT

- To provide baseline information to enable institutions to evaluate and manage energy
- To recognize, diagnose and resolve the energy extravagant activities.
- To suggest the best protocols for sustainable utilization of energy.
- To recognize the initiative taken by institutions towards sustainable energy.

ENERGY AUDIT

An energy audit is a comprehensive inspection and analysis of energy flow for energy conservation in a building or industrial facility. It is an energy-saving opportunity in a building by examining how energy is used and where it is lost. An energy audit can help you identify and prioritize energy saving measures such as

- Upgrading to more energy efficient appliances and equipment.
- Installing programmable thermostats and lighting controls
- Adopting energy – efficient practices.

METHODOLOGY ADOPTED

Field visit

The field visit was conducted by the audit team to analyse the utilization of different energy sources. During specific intervals, the team conducted field visit and collected data on various indicators.

Survey

The team also conducted a survey by distributing and collecting questionnaire form various aspect of target areas. The department, the office, canteen and library participated in the detailed survey study.



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ENERGY AUDIT REPORT

Table 4. The energy consumption pattern of the college for a month

Sl No	Appliances/ items	Number	Power W/ unit	Total power	kW	kWh	Total consumption / month
1	Fan	84	75	6300	6.3	18.9	415.8
2	Wall fan	8	45	360	0.36	0.72	15.84
3	Bulb	92	10	920	0.92	2.76	60.72
4	Tube	83	40	3320	3.32	6.64	146.08
5	Computer	35	50	1750	1.75	1.75	38.5
6	TV	1	100	100	0.1	0.5	11
7	Printer	3	35	105	0.105	0.105	2.31
8	Photostat	2	300	600	0.6	0.6	13.2
9	Projector	6	500	3000	3.0	6	132
10	Speaker	5	100	500	0.5	1	22
11	Stage light	1	100	100	0.1	0.1	2.2
12	Water purifier	2	25	50	0.05	0.25	5.5
13	CCTV	3	10	30	0.03	0.15	3.3
14	Biometric Punching	1	12	12	0.012	0.06	1.32
15	Amplifier	2	24	48	0.048	0.144	3.168



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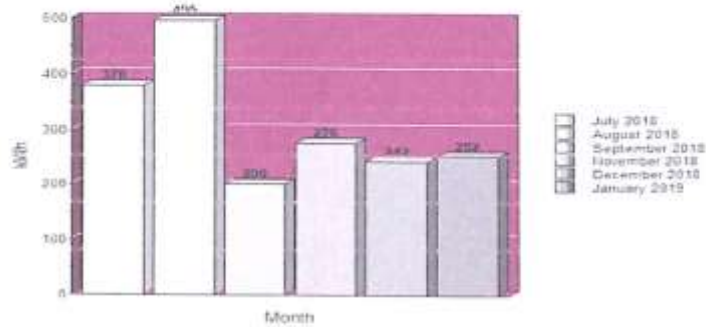
Electricity consumption (Cumulative) and bill report

This report provides the details of the average electricity consumption and the average electricity bill amount for the college. It is to be noted that the energy consumption from the electricity board is less due to the energy generation from the solar panels situated at the college roof.

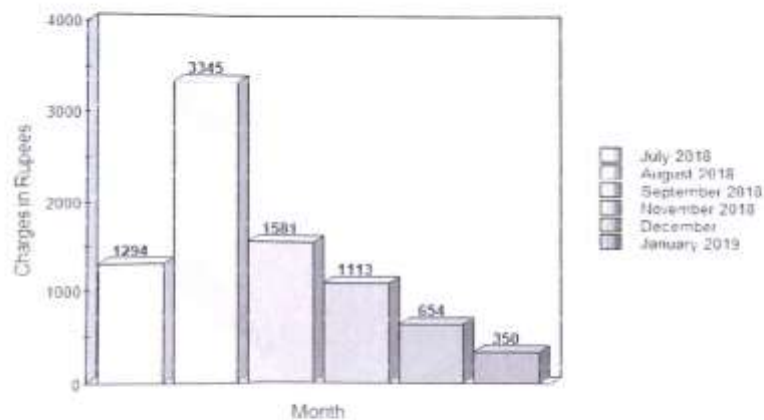
In conclusion, the electricity and bill amount are important parameters that help in monitoring the energy usage and the cost incurred by the college. Regular monitoring and review of these parameters can help in identifying any potential areas for improvement and cost savings

2018-19

Monthly Energy Consumption kWh



Monthly charges - March 2018 to January 2019



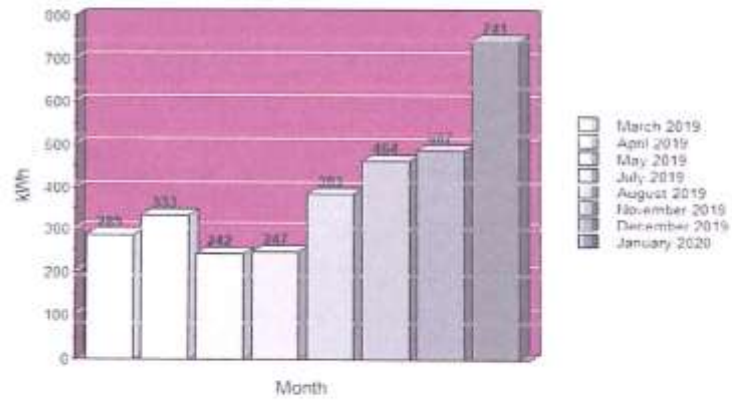
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P.O. - M. P. O., MADAMPAM
S. S. MANDAPURAM, KANNUR DT., 670631

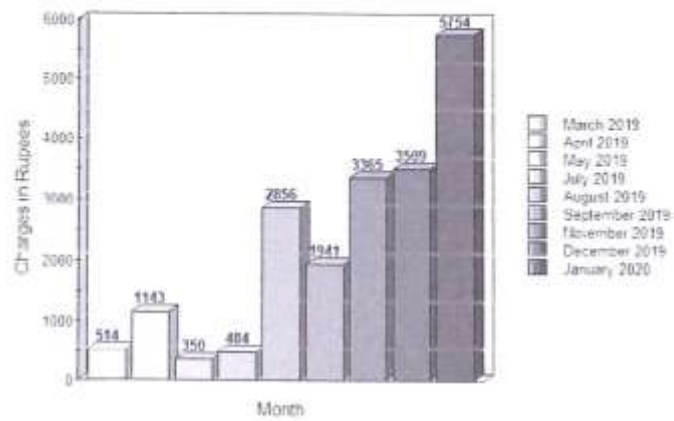
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2019-20

Monthly Energy Consumption kWh



Monthly charges - March 2019 to January 2020

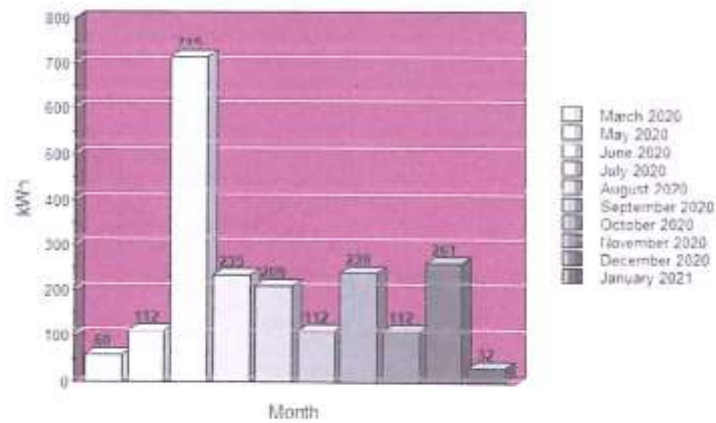



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 KANNUR DIST., KANNUR DT., 670631

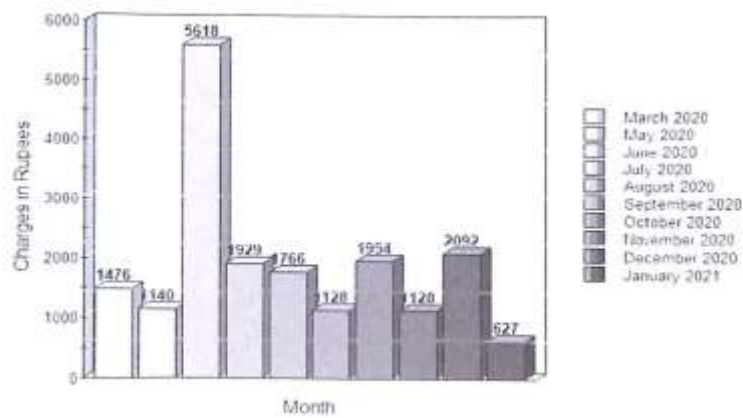
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2020-21

Monthly Energy Consumption kWh



Monthly charges - March 2020 to January 2021

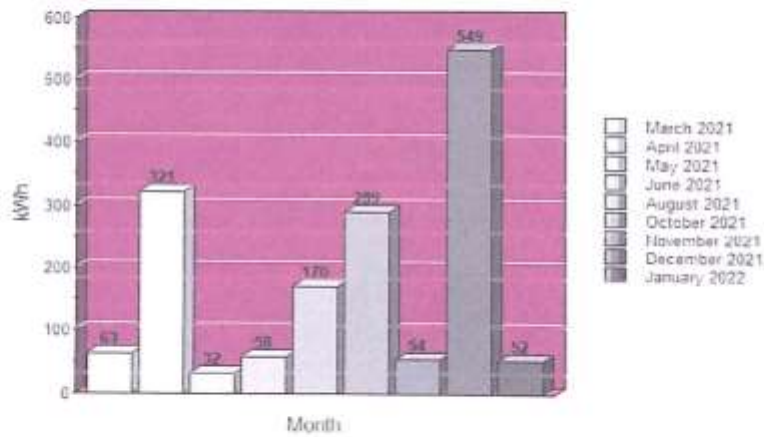


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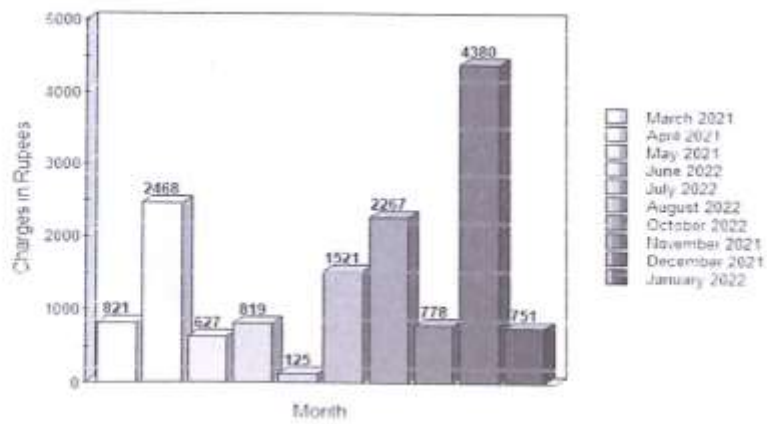
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2021-22

Monthly Energy Consumption kWh



Monthly charges - March 2021 to January 2022



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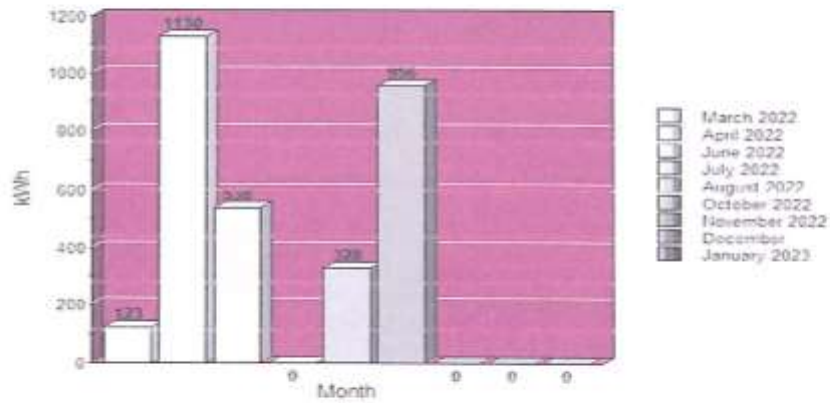
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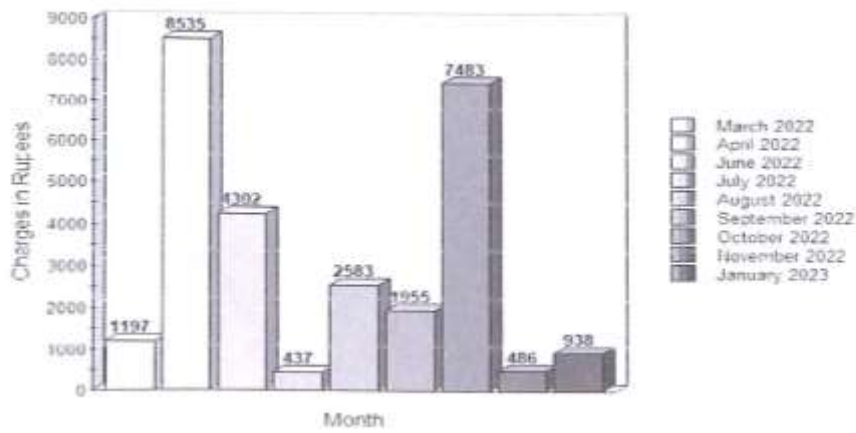


2022-23

Monthly Energy Consumption kWh



Monthly charges - March 2022 to January 2023



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 KOLLAM DISTRICT, KERALA, INDIA - 670631

15

Recommendations by External Audit Team

- Install new set of solar panels in the new building in order to manage the energy consumption
- Audit Building Envelope: Check for air leaks, insulation levels, and the condition of windows and doors.
- Inspect HVAC Systems: Evaluate the efficiency of heating, ventilation, and air conditioning systems, including filters, ductwork, and controls.
- Examine Lighting: Assess the type of lighting used, its efficiency, and the potential for lighting upgrades or controls.
- Check Appliances and Equipment: Evaluate the efficiency of appliances and equipment, including refrigerators, computers, and other office equipment.



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16


Environmental Audit



ENVIRONMENTAL AUDIT
2022-23


"There is sufficiency in the world for man's need but not for man's greed."
- Mahatma Gandhi

Plant more trees 

Recycle waste 

Preserve water 

 
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SREEKANDAPURAM, KANNUR DT. - 670531

 **P. K. M. College of Education**
(Govt. Aided Teacher Education Institution)
Affiliated to Kannur University
Accredited by NAAC with A Grade

ENVIRONMENT AUDIT TEAM

EXTERNAL AUDIT MEMBERS

External Auditor: Dr. Sreeja P
Asst. Professor & HOD
Dept. of Botany
Sir Syed College, Taliparamba

Local body Member: Dr. Philomina K V
Municipal Chairperson
Sreekandapuram Municipality

INTERNAL AUDIT MEMBERS

Convenor: Mrs. Jomol Jose
Asst. Professor Dept. of Natural science

Members: 1. Dr. Veena Appukuttan
(Asst. Professor in Social Science & IQAC Coordinator)
2. Dept. of Natural Science -- STUDENT TEACHERS *



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KATHIRAMAL P. O., MADAMPAM
SREEKANDAPURAM, KANNUR DT., 670631

AUTHENTICATION

This is to certify that we have conducted an environment audit for P.K.M College of Education, Madampam to assess the eco-friendly initiatives and sustainable development of the campus. The measures and actions taken by the college management towards the development of the sustainable green environment are highly appreciable and commendable.



Dr. Sreeja P
(External Auditor)

Dr. Sreeja. P
Asst. Professor
Dept. of Post Graduate Studies
and Research in Botany
Sir Syed College, Talliparamba
Karimam, Kannur, Kerala-670142

Date: 20-03-2023

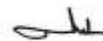
Place: Madampam



Dr. Philomina K V

(Municipal Chairperson, Sreekandapuram)

Dr. K.V. Philomina Teacher
Chairperson
Sreekandapuram Municipality



Mrs. Jomol Jose

(Internal Auditor)

*Asst. Prof. in New
Science
P.K.M college of
Education*



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KATHAPPAM, P. O., MADAMPAM
SREEKANDAPURAM, KANNUR DT.,-670831

ACKNOWLEDGEMENT

The team responsible for this audit comprised of 1. Dr. Veena Appukuttan (Asst. Professor in Social Science & IQAC Coordinator) under the supervision and direction of Mrs. Jomol Jose (Asst. Professor Dept. of Natural science, P.K.M College of Education, Madampam), would like to thank those individuals who contributed to this project, particularly the college management, Principal, P.K.M College of Education Madampam, all the faculties and staff who provided insights and comments as part of this audit.




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KATTIPUR PALLE P. O., MADAMPAM
SREEKUNJAPURAM, KANNUR DT., 670631

TABLE OF CONTENTS

1. Introduction.....	6
2. Target Areas of Environment Auditing.....	7
3. Objectives of the Audit.....	9
4. Environmental Audit.....	9
5. Methodology Adopted.....	10
6. Biodiversity Audit.....	11
7. Findings.....	22
8. Suggestions.....	22



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P.K.M. COLLEGE OF EDUCATION
KANNUR ROAD, MUDAMPAM
SREEKANGAPURAM, KANNUR DT., 670631

1.INTRODUCTION

About the college

P.K.M. College of Education, Madampam, Kannur is a Christian minority educational institution. The College was established in 1995 as a self-financing institution and was transformed into an aided college in 1997. It is affiliated to Kannur University and is recognized by NCTE and UGC under 2(f) & 12(B) category. This temple of learning is dedicated to the Sacred Heart of Jesus and is named after Prof. Joseph Kandoth, who was an educational visionary, social reformer and a zealous missionary. He initiated the historical migration of Knanaya Catholic Community which in turn changed the social and economic history of Malabar. P.K.M. College of Education is a temple of learning with difference among the scores of educational institutions in Kerala. The institution is run by the Arch Diocese of Kottayam, belonging to the Knanaya Catholic Community and has invariable relevance as a training institution moulding the prospective teachers for the community, in particular, and society, at large. The college aims to spell out the darkness of ignorance and illiteracy and radiate the glow of enlightenment. The mission of the college is "To Nurture the Holistic Development of Prospective Teachers for a Just and Humane Society."

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Mission

To Nurture the Holistic Development of Prospective Teachers for a Just and Humane Society

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Excellence and Committed Service in Every Realm of Teaching Endeavour.



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SREEKANDAPURAM, KANNUR DT.,-670631

Table : 1.Course offered by the college

Bachelor of Education	<ul style="list-style-type: none"> • English • Malayalam • Mathematics • Natural science • Physical science • Social science
-----------------------	--

Table : 2 . Students and faculty strength

Total number of students	99
Teachers	9
Non – teaching staff	13
Total	121

2.TARGET AREAS OF ENVIRONMENT AUDITING

Table 3: Area details of the PKM college of education campus

Sl. No	Class Rooms	Room No	Size in sq.m
1	English	19	63.48
2	Malayalam	18	64.38
3	Mathematics	31	63.33
4	Natural Science	10	43.32
5	Physical Science	11	64.44
6	Social Science	30	95.69

7 |




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7	Staff Room	23	87.97
8	Office – 1	4	30.38
9	Office – 2	21	30.45
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25	Godown	36	42.84
26	Kitchen	12	7.16

3.OBJECTIVES OF THE AUDIT

8 |



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- To recognize the initiative taken by institution towards the environment.
- To secure the environment and reduce the threats posed to human health.
- To provide baseline information to enable institutions to evaluate and manage environmental change, threat, and risk.
- To diagnose and resolve environmental problems.
- To identify the effects of institutions on the environment and vice versa.
- To control the impact of institutional activities on the environment.
- To suggest the best protocols for sustainable development organization and environment.
- To assess environmental performance and the effectiveness of the measures to achieve the defined objectives and targets.
- To identify the different pressures on institutions to improve their environmental performance.
- To ensure that the natural resources are utilized properly as per the national policy of environment.
- To establish the parameters for maintaining the health and welfare of the community of the institution.

4. ENVIRONMENTAL AUDIT

An environmental audit is a systematic, documented, periodic and objective evaluation of how well an organization or project is managing its environmental responsibilities. It is a tool used to identify, quantify, and assess environmental risks and to evaluate the effectiveness of environmental management systems.

Environmental audits can be a valuable tool for organizations that are committed to environmental protection. They can help organizations to:

- * Identify and assess environmental risks
- * Improve compliance with environmental laws and regulations



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KOTTAYAM DISTRICT, KERALA-670631

- * Reduce environmental impacts
- * Save money
- * Improve public relations

5. METHODOLOGY ADOPTED

1. Field visit:

The purpose of the field visit is to analyse the biodiversity of different sources and waste management practices. The environmental audit team conducted field visits during specific intervals and collected the data on different indicators.

2. Group discussion:

Group discussions were held with Bhoomithrasena, Eco club, Nature club, NSS, faculties, office staff, and management of the various strategies of target areas.

3. Survey:

The environment audit team conducted surveys on various aspects of target areas by distribution of survey founders on different headings. All the departments, office, canteen, and library participated in the detailed questionnaire survey study

6. BIODIVERSITY AUDIT




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KATHAR (M.L.P.O.), MADAMPAM
KOVVILAPADAM, KANNUR DT., -670631

The College conducted a Biodiversity survey and listed the flora and fauna of the campus. It reveals that a large number of plants and animals inhabit the campus and it is important to take measures for conserving them. The list of the flora, fauna and medicinal plants arises following table.

Butterfly Garden

A butterfly garden in a college is a purposefully designed space that attracts butterflies, providing students with a firsthand experience of these insects' life cycle and ecological significance. This living classroom offers a practical application of ecological concepts, promoting environmental awareness, and conservation education. By observing butterflies and their interactions with the garden's plants, students can learn about pollination, biodiversity, and the delicate balance of ecosystems. The garden's vibrant colors, fragrances, and serene ambiance also offer sensory stimulation, contributing to a holistic learning environment. Furthermore, the garden's presence can serve as a symbol of the institution's commitment to environmental stewardship and sustainability, inspiring students to become advocates for conservation. Overall, a butterfly garden in an educational setting serves as an invaluable educational tool, enriching the curriculum with hands-on experiences that foster a deeper understanding of the natural world.

Fauna and Flora

FAUNA OF P.K.M COLLEGE CAMPUS

NON-CHORDATA

Phylum -Annelida

- | | | |
|---|-----------|-------------------|
| 1 | Earthworm | Megascolex sp. |
| 2 | Earthworm | Pheritima postuma |

Phylum -Arthropoda

- | | | |
|---|-----------|-------------------|
| 3 | Centipede | Scolopendra sp. |
| 4 | Millipede | Spirostreptus sp. |

Insects

- | | | |
|---|-----------|-----------------------|
| 5 | Cockroach | Periplanata americana |
|---|-----------|-----------------------|

 II |


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VRI, MADAMPAM P. O., MADAMPAM
SRIKANTHAPURAM, KARNULU DT.,-570631

6	Lepisma	Lepisma sp.
7	Grasshopper	Poecilocus (Melanopus)
8	Cimex	Cimex sp.
9	Cricket	Gryllus sp.
10	Mole cricket	Gryllotalpa
11	Leaf insect	Phyllium
12	Termite	Termes sp.
13	Termite	Zootermopsis
14	Treehopper	Cicada
15	Praying mantis	Mantis sp.
16	Beetle	Hippodomia
17	Mosquito	Anophilus sp.
18	Mosquito	Culex sp.
19	House fly	Musca
20	Fruit fly	Drosophila melanogaster
21	Wasp	Vespa orientalis
22	Black ant	Compnotus compressus
23	Red ant	Oecophyla smaragdina
24	Honey bee	Apis indica
25	Mite	Acera

Butterflies

26	Common Jay	Graphium Dason
27	Blue bottle	Graphium Sarpedon
28	Common Mormon	Papilio polytes
29	Common emigrant	Captopsila pomona
30	Common jezebel	Delias eucharis
31	Common albatross	Appeias albina
32	Common wanderer.	Pareronia valeria
33	Common Indian crow.	Euploea core
34	Glassy blue tiger	Parantica aglea
35	Common bushbrown	Mycalesis perseus
36	Tawny coster	Acraea biolae
37	Great egg fly	Hypolimna bolinia
38	Paris peacock	Papilio paris
39	Lime butterfly	Papilio demoleus
40	Rhinoceros beetle	Oryctes rhinoceros
41	Paddy pest	Leptocoriza acuta
42	Scorpion	Palamneus sp.
Phylum -Mollusca		
43	Snail	Planorbis sp.

CHORDATA

Class- Reptilia




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44	Garden lizard	Calotus versicolor
45	House lizard	Hemidactylus sp.
46	Skink	Mabuya
47	Varanus	Varanus monitor
48	Krait	Bungarus caeruleus
49	Viper	Vipera russelli
50	Tree snake	Dryophis
51	Rat snake	Zamemis(Ptyas)
Class- Aves		
52	Red-whiskered Bulbul	Pyenonotus jocosus
53	Jungle babbler	Turtoides striatus
54	Rock pigeon	Columba livia
55	Rufous Treepie	Dendrocitta vagabunda
56	Greater caucal	Centropus sinensis
57	Green bee-eater	Meropes orientalis
58	Racket tailed Drongo	Dierurus paradiseus
59	Asian koel	Eudynamys scolopacea
60	House crow	Corvus splendens
61	Large-billed crow	Corvus macrorhynchos
Class -Mammalia		
62	Bat	Pteropus sp.



63	Squirrel	Funambulus palmeram
64	Mangoose	Herpestes edwardsii
65	Fox	Vulpus bangalensis

FLORA OF P.K.M. COLLEGE CAMPUS**BRYOPHYTES**

1	Riccia sp.	Ricciaceae
2	Anthoceros sp.	Anthocerotae
3	Pellia sp.	Pelliaceae
4	Funaria sp.	Funariaceae

PTERIDOPHYTES

5	Selaginella sp.	Selaginellaceae
6	Lygodium sp.	Lygodiaceae
7	Pteris vitata	Pteridaceae
8	Drynaria quercifolia	Polypodiaceae
9	Microsorium scolopendria	Polypodiaceae
10	Nephrolepis hirsuta	Nephrolepidaceae
11	Adiantum latifolium	Pteridaceae
12	Adiantum lunulatum	Pteridaceae

ANGIOSPERMS

BOTANICAL NAME

FAMILY

15 |



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13	<i>Polyalthia longifolia</i>	Annonaceae
14	<i>Cyclea peltata</i>	Menispermaceae
15	<i>Cleome viscosa</i>	Capparidaceae
16	<i>Hibiscus furcatus</i>	Malvaceae
17	<i>Urena lobata</i>	Malvaceae
18	<i>Sida rhombifolia</i>	Malvaceae
19	<i>Sida acuta</i>	Malvaceae
20	<i>Sida cordata</i>	Malvaceae
21	<i>Biophytum sensitium</i>	Geranaceae
22	<i>Murraya konigii</i>	Rutaceae
23	<i>Evodia lunu-ankenda</i>	Rutaceae
24	<i>Aegle marmelos</i>	Rutaceae
25	<i>Zizypus oenopia</i>	Rhamnaceae
26	<i>Cardiospermum helicacabum</i>	Sapindaceae
27	<i>Anacardium occidentale</i>	Anacardiaceae
28	<i>Mangifera indica</i>	Anacardiaceae
29	<i>Clitoria tematea</i>	Papilionaceae
30	<i>Centrosma pinnata</i>	Papilionaceae
31	<i>Gliricidia maculata</i>	Papilionaceae
32	<i>Desmodium triflorum</i>	Papilionaceae



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33	Crotalaria striata	Papilionaceae
34	Bauhinia purpurea	Caesalpiniaceae
35	Peltophorum pterocarpum	Caesalpiniaceae
36	Cassia tora	Caesalpiniaceae
37	Cassia fistula	Caesalpiniaceae
38	Libidibia coriaria	Caesalpiniaceae
39	Mimosa pudica	Mimosaceae
40	Rosa alba	Rosaceae
41	Carica papaya	Caricaceae
42	Mukia scabrella	Cucurbitaceae
43	Centella asiatica	Apiaceae
44	Chasalia curviflora	Rubiaceae
45	Borreria pusilla	Rubiaceae
47	Mitracarpus verticillatus	Rubiaceae
48	Mussaenda frondosa	Rubiaceae
49	Tridax procumbens	Asteraceae
50	Cosmos sulphureus	Asteraceae
51	Synedrella nodiflora	Asteraceae
52	Eupatorium odoratum	Asteraceae
53	Mikania scandens	Asteraceae
54	Emilia sonchifolia	Asteraceae



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55	Vernonia cineria	Asteraceae
56	Ageratum conizoides	Asteraceae
57	Achras sapota	Sapotaceae
60	Ervatamia coronaria	Apocynaceae
62	Hemidesmus indicus	Asclepiadaceae
63	Evolvulus alsinoides	Convolvulaceae
64	Merrimia tridentata	Convolvulaceae
65	Ipomaea palmata	Convolvulaceae
66	Solanum torvum	Solanaceae
67	Capsicum annum	Solanaceae
68	Scoparia dulcis	Scrophularaceae
69	Rungia repens	Acanthaceae
70	Asystasia gangetica	Acanthaceae
71	Thunbergia erecta	Acanthaceae
72	Tectona grandis	Verbenaceae
73	Lantana camara	Verbenaceae
74	Leucas aspera	Lamiaceae
75	Pogostemon paniculatus	Lamiaceae
76	Hyptis suaveolens	Lamiaceae
77	Ocimum sanctum	Lamiaceae
78	Boerhaavia diffusa	Nictaginaceae



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KAYTHAPRAM, P. O., MADAMPAM,
SRIENKADAPURAM, KANNUR DT., 670631

79	Cyathula prostrata	Amaranthaceae
80	Aerva lanata	Amaranthaceae
81	Alternanthera tannela	Amaranthaceae
82	Piper nigrum	Pipraceae
83	Loranthus longiflorus	Loranthaceae
84	Tragia involucrata	Euphorbiaceae
85	Phyllanthus amarus	Euphorbiaceae
86	Phyllanthus emblica	Euphorbiaceae
87	Euphorbia hirta	Euphorbiaceae
88	Macranga peltata	Euphorbiaceae
89	Artocarpus integrifolia	Moraceae
90	Musa paradisiaca	Musaceae
91	Sansevieria roxburghiana	Liliaceae
92	Gloriosa superba	Liliaceae
93	Aloe vera	Liliaceae
94	Asparagus racemosus	Liliaceae
95	Cocos nucifera	Arecaceae
96	Colocasia antiquorum	Araceae
97	Pothos scandens	Araceae
98	Heteropogon contortus	Poaceae
99	Oplismenus compositus	Poaceae




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SREEKANDAPURAM, KANNUR DT.-870631

100	Panicum trypherom	Poaceae
101	Panicum repens	Poaceae
102	Arundinella leptochloa	Poaceae
103	Otlochloa nodosa	Poaceae
104	Ischaemum indicum	Poaceae
105	Dactyloctenium aegyptium	Poaceae
106	Pennisetum hohenackeri	Poaceae

EXOTIC GARDEN

No	Name	Family
1.	Begonia gracilis	Begoniaceae
2.	Impatiens walleriana	Balsaminaceae
3.	Syzygium samarangense	Myrtaceae
4.	Plumeria pudica	Apocynaceae
5.	Alternanthera sp.	Amaranthaceae
6.	Mirabilis jalapa	Nyctaginaceae
7.	Portulaca sp.	Portulacaceae
8.	Pilea mucosa	Urticacea
9.	Ravenea rivularis	Aracaceae
10	Philodendron sp.	Araceae
11	Anthurium andraeanum	Araceae



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12	<i>Episcia cupreata</i>	Gesneriaceae
13	<i>Ixora sp.</i>	Rubiaceae
14	<i>Chamaecostus sp</i>	Costaceae
15	<i>Thithonia diversifolia</i>	Asteraceae
16	<i>Desmodium dendrolobium</i>	Fabaceae
17	<i>Pandanus veitchii</i>	Pandanaceae
18	<i>Hibiscus sp</i>	Malvaceae
19	<i>Tradescantia spathaceae</i>	Commelinaceae
20	<i>Spathoglottis plicata</i>	Orchidaceae
21	<i>Polyscias sp.</i>	Araliaceae
22	<i>Codiaeum variegatum</i>	Euphorbiaceae
23	<i>Jatropha multifida</i>	Euphorbiaceae
24	<i>Eugenia sp.</i>	Myrtaceae
25	<i>Schefflera sp.</i>	Araliaceae
26	<i>Cordyline fruticose</i>	Asparagaceae
27	<i>Sansevieria zeylanica</i>	Asparagaceae
28	<i>Aloe vera</i>	Liliaceae
29	<i>Strobilanthes alternata</i>	Acanthaceae
30	<i>Allamanda cathartica</i>	Apocynaceae

FRUIT GARDEN

No.	Name	Family
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21



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 PATTIL - RAM, P. O., MADAMPAM
 PALAKKAD, DIST. PALAKKAD, KERALA

1	Achras sapota	Sapotaceae
2	Artocarpus heterophyllus	Moraceae
3	Phyllanthus embilica	Phyllanthaceae
4	Psidium guajava	Myrtaceae
5	Mangifera indica	Anacardiaceae
6	Ancardium occidentale	Anacardiaceae
7	Citrus limonum	Rutaceae

7. FINDINGS:

- Many steps toward a sustainable environment are implemented including the restrictions of vehicles other than stakeholders within the campus.
- Students are encouraged to depend on the public mode of transportation by availing of the bus fare concession issued by the Government of Kerala.
- Planting more trees within the campus.
- Maintenance of plants with the support of students.

8. SUGGESTIONS BY EXTERNAL AUDIT TEAM

- To enhance Biodiversity through planting native species and maintaining Natural habitat.
- Suggesting Ecofriendly alternatives for Fertilizers and Pesticides
- Measures to minimize the impact on existing Flora
- Provide recommendations for preventive care and sustainable treatments for existing trees



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SPEEDANGAPURAM, KANNUR DIST., 670631

Green Audit



GREEN AUDIT TEAM

EXTERNAL AUDIT MEMBERS

External Auditor: Dr. Sreeja P
Asst. Professor & HOD
Dept. of Botany
Sir Syed College, Taliparamba

Local body Member: Dr. Philomina K V
Municipal Chairperson
Sreekandapuram Municipality

INTERNAL AUDIT MEMBERS

Convenor: Mrs. Jomol Jose
Asst. Professor Dept. of Natural science

Members:

1. Dr. Veena Appukuttan
(Asst. Professor in Social Science & IQAC Coordinator)
2. Dept. of Natural Science - STUDENT TEACHERS




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SREEKANDAPURAM, KANNUR DT.,-670631

AUTHENTICATION

This is to certify that we have conducted a green audit for P.K.M College of Education, Madampam to assess the efficiency of green initiatives by the college to maintain the campus eco-friendly. The measures and actions taken by the college management towards the development of the sustainable green environment are highly appreciable and commendable.



Dr. Sreeja P

(External Auditor)

Dr. Sreeja P
Asst. Professor
Dept. of Botany Studies
and Post Graduate Studies
and Research in Botany
Sir Syed College, Taliparamba
Karimang, Kannur, Kerala-670142

Date: 20-03-2023

Place: Madampam



Dr. Philomina K V

(Municipal Chairperson, Sreekandapuram)

Dr. K.V. Philomina Teacher
Chairperson
Sreekandapuram Municipality



Mrs. Jomol Jose

(Internal Auditor)

*Asst. Prof. in Natural
Science
Dept. of Natural Science*



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ACKNOWLEDGEMENT

The team responsible for this audit comprised of Dr. Vecna Appukuttan (Asst. Professor in Social Science & IQAC Coordinator) under the supervision and direction of Mrs. Jomol Jose (Asst. Professor Dept. of Natural science, P.K.M College of Education, Madampam), would like to thank those individuals who contributed to this project, particularly the college management, Principal, P.K.M College of Education Madampam, all the faculties and staff who provided insights and comments as part of this audit.




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TABLE OF CONTENTS

1. Introduction.....	6
2. Target Areas of Green Auditing.....	9
3. Green Audit.....	10
4. Objectives of Green Audit.....	10
5. Methodology Adopted.....	11
6. Audit Report.....	11
7. Key Attributes of Green Campus.....	14
8. Summary.....	15
9. Recommendation from External Audit Team.....	16
10. Suggestions.....	16




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KALTHAPPA M. P. O. MADHAVARAM
SREEKANDAPURAM, MADHURAI - 620631

1.INTRODUCTION

About the college

P.K.M. College of Education, Madampam, Kannur is a Christian minority educational institution. The College was established in 1995 as a self-financing institution and was transformed into an aided college in 1997. It is affiliated to Kannur University and is recognized by NCTE and UGC under 2(f) & 12(B) category. This temple of learning is dedicated to the Sacred Heart of Jesus and is named after Prof. Joseph Kandoth, who was an educational visionary, social reformer and a zealous missionary. He initiated the historical migration of Knanaya Catholic Community which in turn changed the social and economic history of Malabar. P.K.M. College of Education is a temple of learning with difference among the scores of educational institutions in Kerala. The institution is run by the Arch Diocese of Kottayam, belonging to the Knanaya Catholic Community and has invariable relevance as a training institution moulding the prospective teachers for the community, in particular, and society, at large. The college aims to spell out the darkness of ignorance and illiteracy and radiate the glow of enlightenment. The mission of the college is "To Nurture the Holistic Development of Prospective Teachers for a Just and Humane Society."

At present H.E. Mar. Mathew Moolakkat, Arch Bishop of Kottayam Diocese is the patron and H.E. Mar. Joseph Pandarasseril, the Auxiliary Bishop is the Manager. The college is accredited by NAAC with A grade (4-point scale), in the second cycle also.

Mission

To Nurture the Holistic Development of Prospective Teachers for a Just and Humane Society

Vision

Excellence and Committed Service in Every Realm of Teaching Endeavour.



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Table: 1.Course offered by the college

Bachelor of Education	English
	Malayalam
	Mathematics
	Natural science
	Physical science
	Social science

Table : 2 . Students and faculty strength

Total number of students	99
Teachers	9
Non – teaching staff	13
Total	122

PHYSICAL AREAS

Table 3: Area details of the PKM college of education campus

Sl. No	Class Rooms	Room No	Size in sq.m
1	English	19	63.48
2	Malayalam	18	64.38
3	Mathematics	31	63.33
4	Natural Science	10	43.32
5	Physical Science	11	64.44

7 | Page




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SREKANGAPURAM, KANNUR DT., 670631

6	Social Science	30	95.69
7	Staff Room	23	87.97
8	Office - 1	4	30.38
9	Office - 2	21	30.45
10	Principal Room	1	55.66
11	Multipurpose hall Auditorium	28	180.77
12	Multipurpose hall General class	16	180
13	Library cum Reading room	7	108.93
14	Seminar Hall	20	29.59
15	Canteen	24 , 26	82.67
16	IQAC	5	35.09
17	Psychology Room	17	30.63
18	Health fitness, Sports & Yoga room	33	119.94
19	Art & Drama	23	20.24
20	Visitors Room	3	40.19
21	Library store Room	9	20.11
22	IT Room	15	46.85
23	Conference hall	27	46.85
24	Common Room	34	15.88
25	Godown	36	42.84
26	Kitchen	12	7.16



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OBJECTIVES OF THE AUDIT

- To recognize the initiative taken by institution towards the environment.
- To secure the environment and reduce the threats posed to human health.
- To provide baseline information to enable institutions to evaluate and manage environmental change, threat, and risk.
- To diagnose and resolve environmental problems.
- To identify the effects of institutions on the environment and vice versa.
- To control the impact of institutional activities on the environment.
- To suggest the best protocols for sustainable development organization and environment.
- To assess environmental performance and the effectiveness of the measures to achieve the defined objectives and targets.
- To identify the different pressures on institutions to improve their environmental performance.
- To ensure that the natural resources are utilized properly as per the national policy of environment.
- To establish the parameters for maintaining the health and welfare of the community of the institution.
- To set the procedure for disposal of all types of harmful wastes.

2. TARGET AREAS OF GREEN AUDITING

1. Water Audit

This indicator assesses the quantity of water in a system and its utilization, and wastage and provides a measure to conserve the water. Since our institution is falling into water scarcity, it is important to audit the water as a measure to conserve water in the best possible ways.

2. Waste Management Audit

Waste management is one of the most challenging aspects of the institution. Wastes can be classified into three types viz biodegradable, non-biodegradable, and hazardous. The




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biodegradable wastes include those from food wastes, canteen, and toilets. Non-biodegradable includes litter wastes such as plastics, glass wares, tins, etc. And hazardous wastes include those from e wastes, chemicals, etc which cause long-term issues to human health and also to the environment. Hence it is important to practice scientific waste management

3. GREEN AUDIT

Green auditing in institutions, also known as environmental audits or eco-audits, is a systematic assessment of an educational institution's environmental performance, resource utilization, and compliance with environmental regulations. It aims to identify areas of improvement and suggest measures to reduce environmental impact and enhance sustainability. Green audits play a crucial role in promoting environmentally responsible practices and fostering a culture of sustainability within institutions.

4. OBJECTIVES OF GREEN AUDITING IN INSTITUTIONS

The primary objectives of green auditing in institutions include:

1. Identifying and evaluating environmental impacts: Green audits help institutions understand and quantify their environmental footprint by assessing their resource consumption, waste generation, and emissions.
2. Promoting compliance with environmental regulations: Green audits ensure that institutions adhere to applicable environmental laws and regulations, minimizing the risk of legal penalties and reputational damage.
3. Enhancing environmental management practices: Green audits provide valuable insights into the effectiveness of an institution's environmental management system, enabling them to identify areas of improvement and implement more sustainable practices.
4. Reducing environmental costs: By identifying and addressing waste management practices and inefficiencies, green audits can help institutions reduce their energy, water, and waste disposal costs.
5. Promoting a culture of sustainability: Green audits raise awareness among faculty, staff, and students about environmental issues and encourage them to adopt more sustainable behaviors.

5. METHODOLOGY ADOPTED

1. Field visit:




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The purpose of the field visit is to analyze the biodiversity status, utilization of different sources, and waste management practices. The green audit team conducted field visits during specific intervals and collected the data on different indicators.

II. Group discussion:

Group discussions were held with Bhoomithrasena, Eco club, Nature club, NSS, faculties, office staff, and management on various strategies of target areas.

III. Survey:

The green audit team conducted surveys on various aspects of target areas by preparing, distributing, and collecting survey forms with different headings. All the departments, offices, canteen, and libraries participated in the detailed questionnaire survey study.

6. AUDIT REPORT

Water Management:

The College uses a well and a rainwater harvesting unit on the campus, pumping 8000L of water daily. To reduce water waste, they adopted microscale analysis. The average monthly water usage is 1,31,250L.

Water audit

Indicators	Response
Source of Water	Well
No. of Well	1
Horsepower – Motor	2.5HP
Depth of well –Total	250 feet
Water level	110 feet
<u>Storage of Water</u>	
Number of water tanks	4



It is one of the major challenges for an eco-friendly campus. Both the collection and disposal raise major challenges ahead of the institution. The following are the major categories of waste inside the campus.

Table Categories of waste

Sl No	Waste Stream	Items	Disposal method
1	Solid Waste	Plastics, paper and metals.	<ul style="list-style-type: none"> The institution promotes digital filing. Paper waste is hand over to agencies for recycling. The college has entered into an agreement with Harithakarmasena for waste disposal including plastics, paper and metals.
2	E-Waste	Computers, electricals, electronics	<ul style="list-style-type: none"> College has an MOU with relevant agencies and are renewed from time to time. Purchasing of devices with increased lifetime. The buy back policy of the retailers utilised to purchase new computers and batteries for outdated computers and laptop.
3	Biodegradable Waste	Food wastes	<ul style="list-style-type: none"> Waste Pit Biogas Plant Vermi Compost
4	Grey water from Urinals/washroom	Waste water	<ul style="list-style-type: none"> Waste pits



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7. KEY ATTRIBUTES OF GREEN CAMPUS

Maximize the proportion of waste that is recycled and minimize the quantity of non-recyclable goods

College makes specific arrangements for events, such as cultural events, internal and external seminars, and conferences, where significant recyclable waste is likely to be produced, to both minimize the waste produced and maximize what is recycled/reused. Promote the reuse of items and waste recycling among staff, students, and conference guests.

Minimize consumption of water.

Regular checking and maintenance of pipelines are done to control water wastage. For that repairing sources of water leakage, such as dripping taps and showers as quickly as possible and carrying out regular checking and maintenance of pipelines are done to control water wastage. The institution has also made arrangement to install appliances that reduce water consumption.

We encourage a decrease in water usage among staff, students, and conference guests and use an efficient and hygienic water storage mechanism to minimize the loss of water during storage.

Large water filters with coolers are placed at strategic locations in the college for the students and ensure regular service.

Establishment of Rainwater Harvest and Water Recharging System

A rainwater harvesting system, which is well-maintained and keep leakage-proof. And, water recharging systems are established for borewells and open well distinctly.

Introduction of biogas plant

To reduce the biodegradable wastes and to meet energy requirements, a biogas plant was introduced. It is a continuous source of renewable energy.



Introduction of chemical waste tanks

Chemical wastes from the laboratories are collected in tanks which was one of the major concerns in the waste management system.

Minimize the use of chemical pollutants

We ensure that all cleaning products used by college staff have a minimal detrimental impact on the environment, i.e., are biodegradable and non-toxic. We are trying to minimize the use of fertilizers and pesticides on college grounds. Different clubs such as Bhoomithrasena club and Nature club take initiative for these kinds of activities.

Ensure that the buildings conform to green standards

New constructions on the campus comply with the green standard. It offers a reduction in the usage of energy and water usage.

The institution also ensure that improvements, purchases, and developments are environmentally sound. The college is positive about increasing greenery by planting in front of the college and maintaining potted plants as much as possible. It makes initiatives to purchase efficient and environmentally sound appliances to fulfil the commitments and consider replacing the old stock with 'greener', more efficient alternatives.

8. SUMMARY OF FINDINGS

During the academic year, the college witnessed a notable positive transformation in environmental practices. The strategic increase in waste bins not only led to a reduction in overall waste production but also served to mitigate potential harm to the local flora and fauna. Simultaneously, the emphasis on efficient energy utilization and the maintenance of effective water segregation practices demonstrated a steadfast commitment to sustainability and responsible environmental stewardship. In response to the need for recycling, efforts were made to promote the reuse and recycling of items among staff, students, and conference guests, aiming to minimize waste produced and maximize recyclable materials. Furthermore, the introduction of a biogas plant and chemical waste tanks marked significant steps forward in enhancing the college's environmental infrastructure, contributing to a holistic approach to waste management and conservation. The collective endeavors of departments and students showcase a commendable awareness of the ongoing need for environmental protection,



A handwritten signature in blue ink, appearing to read "J. S. S.", written over the printed name "PRINCIPAL".

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TAMIL NADU - 626031

extending these practices beyond the immediate challenges of the pandemic and underscoring the vital importance of sustained conservation measures.

9. RECOMMENDATIONS FROM THE EXTERNAL AUDIT TEAM

1. Implement an additional rainwater harvesting system.
2. Establish rainwater recharge pits to enhance groundwater levels.
3. Plant more trees and plants to enhance biodiversity level and increase the water-holding capacity of the ground.
4. Nurture a culture of 'no litter' among stakeholders.
5. Strict implementation for the collection of biodegradable and non-biodegradable wastes separately.

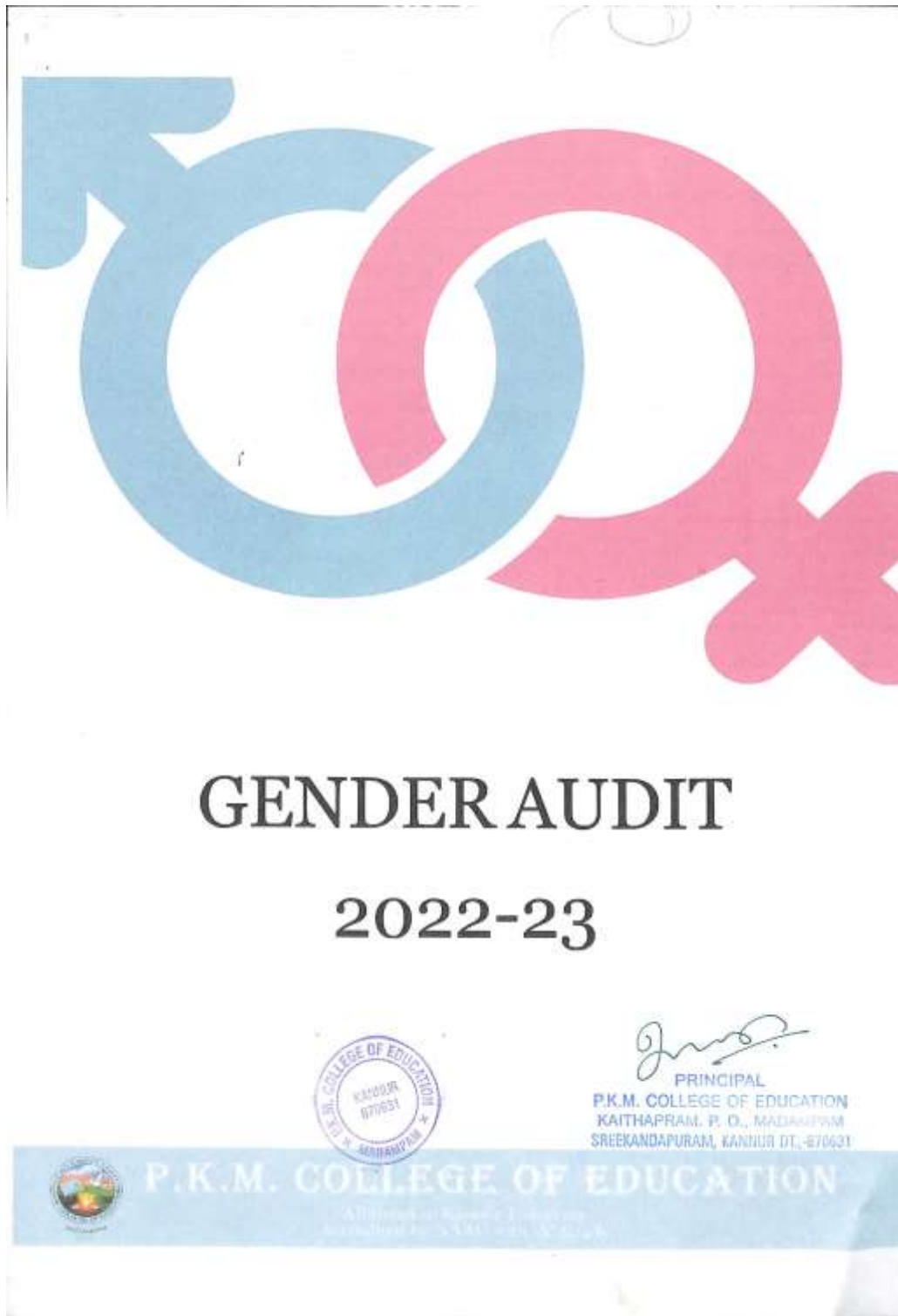
10. SUGGESTIONS BY EXTERNAL AUDITORS

- Incorporation of waste bins in different areas of campus to avoid waste accumulation
- Install water conservation measures, such as rainwater harvesting system.
- Advice on the establishment of a monitoring and reporting system to regularly assess and track the progress of green initiatives, enabling the organization to continuously improve its environmental performance
- Encourage the adoption of paperless practices by promoting digital documentation, electronic communication, and online reporting to reduce paper consumption and associated environmental impacts
- Recommend strategies for reducing waste generation, promoting recycling initiatives, and implementing proper waste disposal methods to minimize environmental impact.




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Gender Audit



Gender Audit Members

External Audit Team

External Auditor : Dr. Sunitha Joseph

(Asst. Professor in Economics, SES College, Sreekandapuram)

Local Body Member : Dr. Philomina K.V

(Municipal Chairperson , Sreekandapuram Municipality)

Internal Internal Audit Team

Internal Auditor : Dr. Veena Appukuttan

(Asso.Prof.in Social Science & IQAC Co-ordinator)

Members : 1. Dr. Maya J Pillail

(Associate Professor in General Education)

2. Adithya Raj T.K & Aparna Pradeep

(Dept. of Social Science)




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KANNUR DISTRICT, SREEKANDAPURAM
SREEKANDAPURAM MUNICIPALITY, SANNUR DT.,-670631

AUTHENTICATION

This is to certify that we have conducted a gender audit for P.K.M College of Education, Madampam to assess the gender ratio and the gender awareness among the staff and students. The measures and actions taken by the college management towards gender equality are highly appreciable and commendable.



Dr. Sunitha Joseph

(External Auditor)

Assistant professor,
Department of Economics,
SES college, Sreekandapuram

Date: 07/03/2023

Place: Madampam



Dr. Philomina K V

(Municipal Chairperson, Sreekandapuram)

Dr. Philomina Teacher
Sree...



Dr. Veena Appukuttan

(Internal Auditor)
Associate Professor
Dept. of Social Science



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SREEKANDAPURAM, KANNUR DT.,-670831



ACKNOWLEDGEMENT

The team responsible for this audit comprised of Dr. Veena Appukuttan (Asst. Professor in Social Science & IQAC Coordinator) under the supervision and direction of Dr. Maya J Pillai (Associate Professor in General Education, P.K.M College of Education, Madampam), would like to thank those individuals who contributed to this project, particularly the college management, Principal, P.K.M College of Education Madampam, all the faculties and staff who provided insights and comments as part of this audit.



A handwritten signature in blue ink, appearing to be "Maya J Pillai".

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SILEXANDAPURAM, KANNUR DT., 670031

TABLE OF CONTENTS

1. Introduction.....	6
2. Gender Audit.....	8
3. Objectives of the Audit.....	9
4. Data Analysis.....	10
5. Findings.....	17
6. Recommendations by External audit Team	18




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KATTAPPA, P.O. KATTAPPANAM
KOTTAYAM DISTRICT, KERALA

1.INTRODUCTION

About the college

P.K.M. College of Education, Madampam, Kannur is a Christian minority educational institution. The College was established in 1995 as a self-financing institution and was transformed into an aided college in 1997. It is affiliated to Kannur University and is recognized by NCTE and UGC under 2(f) & 12(B) category. This temple of learning is dedicated to the Sacred Heart of Jesus and is named after Prof. Joseph Kandoth, who was an educational visionary, social reformer and a zealous missionary. He initiated the historical migration of Knanaya Catholic Community which in turn changed the social and economic history of Malabar. P.K.M. College of Education is a temple of learning with difference among the scores of educational institutions in Kerala. The institution is run by the Arch Diocese of Kottayam, belonging to the Knanaya Catholic Community and has invariable relevance as a training institution moulding the prospective teachers for the community, in particular, and society, at large. The college aims to spell out the darkness of ignorance and illiteracy and radiate the glow of enlightenment. The mission of the college is "To Nurture the Holistic Development of Prospective Teachers for a Just and Humane Society."

At present H.E. Mar. Mathew Moolakkat, Arch Bishop of Kottayam Diocese is the patron and H.E. Mar. Joseph Pandarasseril, the Auxiliary Bishop is the Manager. The college is accredited by NAAC with A grade (4-point scale), in the second cycle also.

Mission

To Nurture the Holistic Development of Prospective Teachers for a Just and Humane Society

Vision.

Excellence and Committed Service in Every Realm of Teaching Endeavour.



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P. O., MADAMPAM
KOTTAYAM, KANNUR DT., 670631

Table : 1.Course offered by the college

Bachelor of Education	<ul style="list-style-type: none">• English• Malayalam• Mathematics• Natural science• Physical science• Social science
-----------------------	---

Table : 2 . Students and faculty strength

Total number of students	99
Teachers	9
Non – teaching staff	13
Total	121



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2. Gender Audit

“We must teach our daughters and sons that gender equality is not just a good idea, it is the only way to live.” – Malala Yousafzai

Gender Audit is a tool to assess and check the institutionalization of gender equality into organisations, including in their policies, programmes, projects and provision of services, structures, proceedings and budgets. As a method for gender mainstreaming, gender audit helps organisations identify and understand gender pattern within their compositions, structures, process, organisational culture and management of human resources and in the design and delivering of policies and services. They also help to assess the impact of organisational performance and its management on gender equality within the organisation. Gender Audit establish baseline against which progress can be measured overtime identifying critical gender gap and challenges and making recommendations of how they can be addressed through improvements and innovations.

Women’s cell

This forum is open to women faculty, women staff and to all girl students of the college. It is functioning with an aim of empowering and orienting women to recognize their true potential and help them to attain their own stand in a competing world. The overall development of women in all spears of life is the goal set by the forum. It helps in creating awareness about important issues related to women and provides a platform for discussion and deliberation on range of issues from, empowerment to environment. It organizes discussions, seminars, awareness programmes, literacy programmes, orientation classes in different areas and skill training in painting, flower arrangement, home management etc. focusing on the issues and needs of women of the present generation.

Objectives:

- 1. Sensitize students on serious gender issues
- 2. Generate awareness about social issues for ensuring holistic education
- 3. To provide knowledge on human rights violations and legal rights of women
- 4. To organize different orientation and personality development programmes.




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TAMIL NADU, INDIA

Women Cell Members

1. Ms. Jomol Jose (Convener)

Members

1. Dr. Jessy NC
2. Dr. Veena Appukuttan
3. Dr. Rekha K R
4. Minimol Simon, (Junior Superintendent)

3. Objectives of Gender Audit

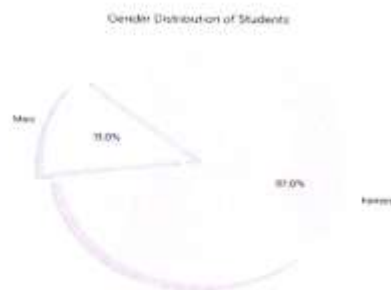
- To find out the areas where gender balance exists and the factors behind the gender balance.
- To establish good gender balance in decision making process in all areas of the college activities.
- To suggest measures for bridging the gender gap.
- To foster gender equality in all aspects of college community.
- Prevention of sexual harassment at the college.



4. Data Analysis

Table 1: Gender wise details of total students in the college

Sl.no.	Year	Total	Male	Female	% M	% F
1		100	13	87	13	87



The table shows year wise gender classification of male and female strength of students and the total number of admissions to the college. It shows that the no. of female students is higher compared to male students.

Table 2: Gender wise details of teaching staff in the college

Sl. No.	Year	Total	Male	Female	% M	% F
1		9	2	7	22.2	77.8



Gender Distribution of Teaching Staff



The total number of female teaching staff is more as compared to male.

Table 3: Gender wise details of Non-Teaching Staff in college

Sl. No.	Year	Total	Male	Female	% M	% F
1		13	4	9	30.8	69.2

Gender Distribution of Non-Teaching Staff



Data Analysis and Interpretation

A structured questionnaire was developed and used for the collection of data. The questionnaire contains various gender related questions and the data was collected among the 46 B.Ed. students on the campus. The collected

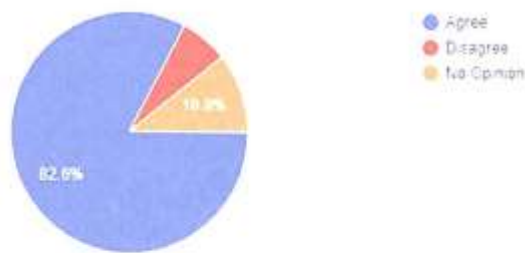
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 SINGAPURAM, KANNUR DIST. 670531

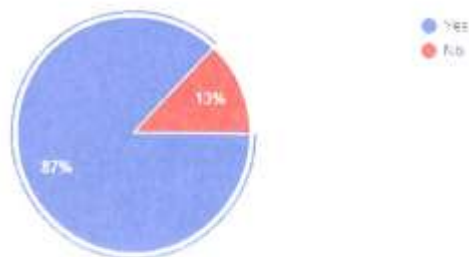
data were tabulated and analysed with the help of Microsoft Excel. The graphical representation of analysed data is given below.

1. A Women cell is set up in the college and students are aware about the women cell.



Agree: 82.6% Disagree: 6.5% No Opinion: 10.9%

2. There are lady staff available in the women cell



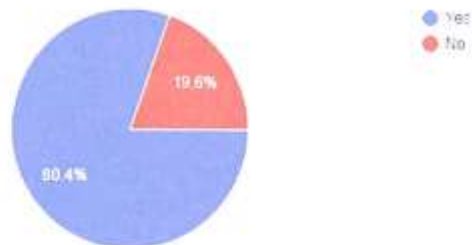
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S. P. ROAD, KANNUR DT., 670831

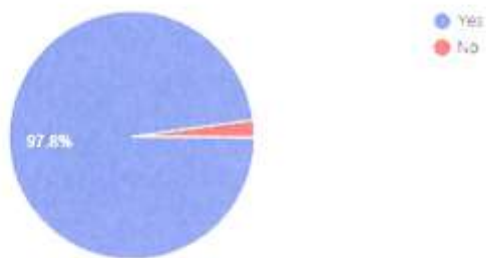
Yes: 87% No: 13%

3. A Grievance redressal cell has been setup



Yes: 80.4% No: 19.6%

4. The classroom offers equal opportunities to all genders



Yes: 97.8% No: 2.2%

5. The Library facilities offers equal opportunities to all genders

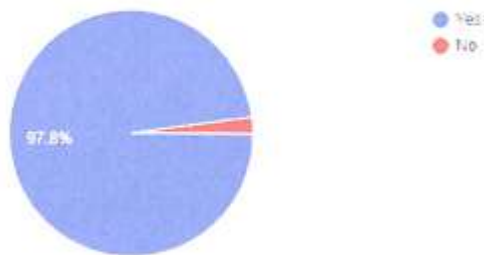



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KANNUR DISTRICT, KANNUR



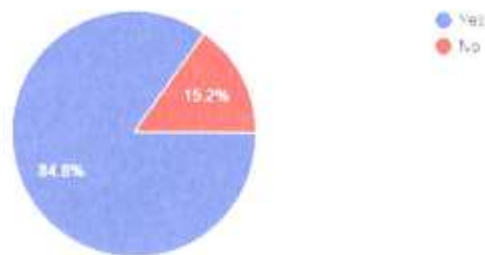
Yes: 100% No: 0%

6. Safe environment is available for all girl students in the campus



Yes: 97.8% No: 2.2%

7. Adequate number of toilets are available in the college for girls and boys



I4

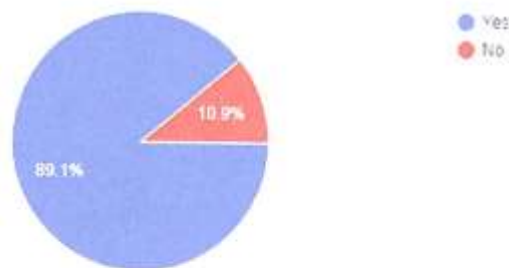


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SRIKANGALURAM, AMUDUR DT., INDIA

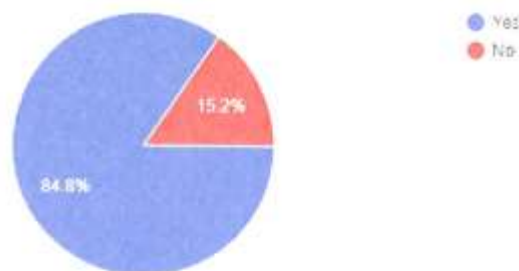
Yes: 84.8% No: 15.2%

8. Adequate facilities are available inside the toilet keeping in mind the need of the girl students



Yes: 89.1% No: 10.9%

9. Healthcare facilities are available to girls and boys students in the campus.

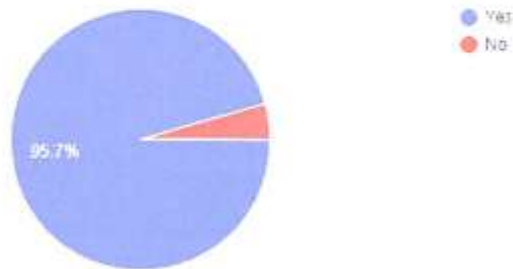


Yes: 84.8% No: 15.2%

10. Adequate number of supporting staff are deployed.

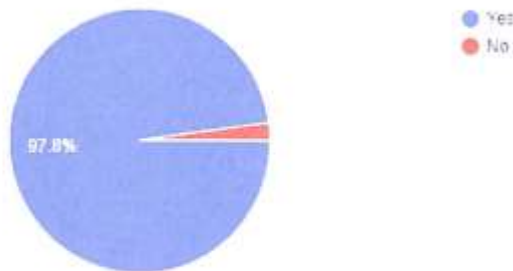



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SRILAKSHMIPURAM, MANNAR DT., 610631



Yes: 95.7% No: 4.3%

11. Student support services are gender responsive and meet the needs of all students



Yes: 97.8% No: 2.2%

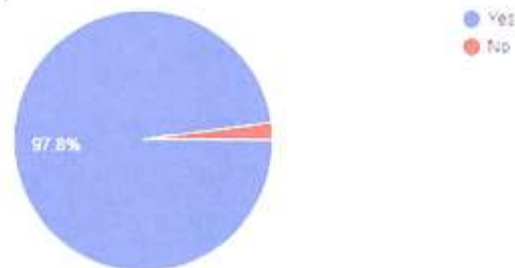
12. Organizational culture is supportive of gender equality and promotes a positive and inclusive environment for all




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Yes: 100% No: 0%

13. Classroom environment and teaching practices are gender sensitive and promote the participation of all students



Yes: 97.8% No: 2.2%

5. Salient Findings

- ❖ Students strength, particularly girls' strength, is high
- ❖ Among regular teaching staff, the strength of female is higher than male
- ❖ All students are aware about the functioning of women development cell in the campus.
- ❖ There is equal opportunity for all gender in the classroom and library.
- ❖ Adequate toilet facilities is available for girls students inside the campus and hostel.



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6.Recommendations by External audit Team

- ❖ More awareness programmes on legal rights, medical awareness, martial arts etc. may be organised.
- ❖ Organise more sports programmes / Physical activities on a regular basis
- ❖ Organise self defence programmes on a regular basis
- ❖ Provide generous and gender-neutral parental leave policies to support both male and female employees in balancing their professional and family responsibilities
- ❖ Organise more Gender Awareness Classes.
- ❖ Integrate gender-sensitive policies and practices across all organizational areas, ensuring equal opportunities, representation, and benefits for all genders.



Academic and Administrative Audits