

GREEN AND ENVIRONMENT AUDIT REPORT



KRISTU JAYANTI COLLEGE AUTONOMOUS, BENGALURU

PREPARED BY

NISARGA

 **eco CONSULTANTS**

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Table of Contents

● Acknowledgement	1
● Green Audit Team	1
● About the Institute	2
● Introduction to Green and Environment Audit	4
● Executive Summary	10
● Objectives and Scope	11
● Summary of Findings	12
● Infrastructure and college details	13
● Eco-club/Green club team	14
● Green Cover	17
• Observations	
● Biodiversity in the campus	51
● Environment Management	53
• Water Audit	
• Waste Management	
• Air Quality	
• Light	
• Noise	
• Electromagnetic Radiations	
● Green Club/Eco-Club Activities	134
● Annexure 1	183
● Annexure 2	184

List of Tables

Table No. 1: Details of Green Club team and its members

Table No. 2: Green Cover Details

Table No. 3: Details of Medicinal Plants in Campus

Table No. 4: Information regarding source of water and its usage points

Table No. 5: Information on source and fate of wastewater

Table No. 6: Readings of PM1, PM 2.5, PM 10, HOCH and TVOC

Table No. 7: Readings of Light intensity in lux

Table No. 8: Readings of Noise levels in decibel

Table No. 9: Members of the Eco-club/Green club Team

Table No. 10: List of the activities conducted by community clubs

List of Graphs

Graph No. 1: Month wise rainfall in mm over 30 years in Bangalore

Graph No. 2: Number of rainy days in Bangalore moth wise

Graph No. 3: Volume of rainwater harvested from rooftop in m³

CERTIFICATE GREEN AUDIT

PRESENTED TO:

**Kristu Jayanti College
Autonomous,
Bengaluru**

Our team of Environmental Engineers have analyzed Green practices followed by the Institution during the period of 2023 to 2024.

This certificate was awarded by:

NISARGA ECO CONSULTANTS

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PRADEEP NV

Environmental Engineer
AUDIT PERIOD: 2023 - 2024



ISO 9001:2015 CERTIFICATE NO. E20240510204
ISO 14001:2015 CERTIFICATE NO. E20240510205
ISO 17020:2012 CERTIFICATE NO. UQ-2024050701

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Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

Acknowledgement

We express our gratitude for calling upon us for this audit, mainly the Kristu Jayanti College Management, Professor and Director Rev. Fr. Dr. Augustine George who was the driving force behind this work. Green Audit Committee members, Green Audit Committee and all the team members, who were ever helpful and supported us with all the inputs needed for this audit. We thank all the teaching, non-teaching and students for helping us in conducting this audit.

Green Audit Team

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About the Institute

Kristu Jayanti College, founded in 1999, is managed by "BODHI NIKETAN TRUST", formed by the members of St. Joseph Province of the Carmelites of Mary Immaculate (CMI).

The College is affiliated to Bengaluru North University and is reaccredited with grade 'A++' in 2021 by NAAC in the Third Cycle of Accreditation. The college is recognized by UGC under the category 2(f) & 12(B). The College has been accorded Autonomous Status since 2013 by the University Grants Commission, the Government of Karnataka & Bangalore University.

In the NIRF 2024, Our College has been ranked 60th place in the top 100 colleges in the country. The programmes of School of Management are internationally accredited by the Accreditation Council for Business Schools and Programs [ACBSP, USA]. The college was accorded 'DBT Star College status under the strengthening component' by the Department of Biotechnology, the Ministry of Science & Technology and the Government of India. The institution received first prize at the National Level for 'Clean and Smart Campus Award' from Shri. Dharmendra Pradhan, Minister of Education, Govt. of India.

In the India Today - MDRA survey 2024, Kristu Jayanti College, Bengaluru is consecutively ranked as the Best Emerging College of the Century at National Level for Commerce, Science, Arts and Social Work. At the National level, the survey ranked the college as 4th Best in BCA, 12th Best in MSW, and 20th Best in BBA, 21st Best in Commerce and Arts, 26th Best in Mass Communication, 28th Best in Science Programmes. The College is ranked as 2nd Best in MSW, 3rd Best in BCA and Commerce, 4th Best in Arts and Science, 5th Best in Mass Communication and 6th Best in BBA programmes among the colleges in Bengaluru.

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

Vision

'Light and Prosperity': To provide intellectual and moral leadership by igniting the minds of youth to realize their potential and make positive contributions leading to prosperity of the society and the nation at large.

Mission

To provide educational opportunities to all aspiring youth to excel in life by nurturing academic excellence, fostering values, creating civic responsibility, inculcating environmental concern and building global competencies in a dynamic environment.

Introduction to Green and Environment Audit

Certainly, conducting a Green and Environment audit within educational campuses is a proactive step towards fostering sustainability and responsible environmental practices. The audit process typically involves several key components:

1. Identification of Environmental Elements: This stage involves identifying various aspects of the environment within the educational premises that could impact sustainability, such as waste management, water usage, transportation methods, and the use of environmentally friendly materials.

2. Recording and Documentation: All data collected during the audit process needs to be recorded and documented systematically. This documentation provides a baseline for current environmental performance and helps in tracking progress over time.

3. Reporting and Analysis: After gathering and organizing the data, the audit report should provide a comprehensive analysis of the environmental conditions within the educational campuses. This analysis can include identifying areas of inefficiency, opportunities for improvement, and potential cost-saving measures.

4. Recommendations for Improvement: Based on the findings of the audit, recommendations for improving environmental practices and achieving sustainable goals should be outlined. These recommendations may include adopting recycling programs, promoting alternative transportation methods, and integrating sustainability into the curriculum.

6. Implementation and Monitoring: Once the recommendations are made, it's essential to implement them effectively. This may involve collaboration among various stakeholders, including administrators, faculty, staff, and students.

Regular monitoring and evaluation help ensure that the proposed initiatives are achieving the desired outcomes and making progress towards sustainability goals.

By conducting a Green and Environment audit, educational institutions can not only reduce their environmental footprint but also serve as models for sustainable practices within their communities. Moreover, integrating sustainability principles into campus operations and curriculum can help educate future generations about the importance of environmental stewardship.

Need for Green and Environment Auditing

Critical role of green and environment auditing in assessing and improving the sustainability of institutions, including educational campuses.

1. **Assessing Resource Consumption:** Green and environment auditing helps institutions evaluate whether their day-to-day activities are consuming resources efficiently. This assessment involves examining water consumption, waste generation, and other resource-intensive processes.
2. **Promoting Resource Conservation:** By identifying areas where resources are being used excessively or inefficiently, audits encourage institutions to adopt more sustainable practices. This can include implementing water conservation initiatives, waste reduction strategies, and promoting the use of renewable resources.
3. **Continuous Monitoring and Regulation:** Through ongoing monitoring and regulation of processes, institutions can ensure that they are effectively managing their environmental impact. Regular audits help identify areas for improvement and track progress towards sustainability goals over time.

4. Addressing Environmental Concerns: With concerns such as climate change and resource depletion becoming increasingly urgent, green audits provide a framework for addressing these issues at the institutional level. By examining and modifying processes to be more environmentally friendly, institutions can contribute to broader efforts to mitigate environmental degradation.

5. Increasing Environmental Consciousness: Green auditing fosters a culture of environmental awareness and responsibility within institutions. By engaging stakeholders in the audit process and promoting sustainable practices, institutions can inspire individuals to adopt greener habits both at work and in their personal lives.

In summary, green and environment auditing serve as valuable tools for promoting sustainability and responsible resource management within educational institutions and beyond. By evaluating and improving environmental practices, institutions can help pave the way for a more sustainable future for generations to come.

Goals of Green and Environment Audit

The goals of a Green and Environment Audit typically revolve around assessing, improving, and promoting sustainable practices within an organization or institution. Here are some specific goals associated with such audits:

1. **Identifying Environmental Impact:** The audit aims to identify the environmental impact of the organization's operations, waste generation, water usage, and emissions.
2. **Assessing Compliance:** The audit evaluates the organization's compliance with environmental regulations, standards, and best practices, ensuring that it meets legal requirements and industry guidelines.
3. **Promoting Resource Efficiency:** One of the primary goals is to promote resource efficiency by identifying areas where resources are being used inefficiently or excessively and recommending strategies for improvement.
4. **Reducing Environmental Footprint:** The audit seeks to reduce the organization's environmental footprint by identifying opportunities to minimize waste, and water, and mitigate pollution.
5. **Identifying Cost-Saving Opportunities:** By improving resource efficiency and reducing waste, the audit can help identify cost-saving opportunities for the organization, such as reducing utility bills and operational expenses.
6. **Fostering Environmental Awareness:** The audit aims to raise awareness among employees, stakeholders, and the broader community about the importance of environmental sustainability and the role they can play in promoting it.
7. **Setting Sustainability Goals:** Based on the findings of the audit, the organization can establish specific sustainability goals and targets to guide its environmental management efforts.

8. Improving Environmental Performance: Ultimately, the goal of the audit is to improve the organization's environmental performance by implementing recommended strategies and initiatives to enhance sustainability practices.

Overall, a Green and Environment Audit serves as a comprehensive tool for organizations to assess their environmental impact, identify areas for improvement, and take proactive steps towards achieving sustainability goals.

Objectives of Green and Environment Audit

- To inspect the current practices, which can impact the environment.
- To recognize and analyze significant environmental issues.
- Establish and implement Environment Management in various departments.
- Continuous evaluation for betterment of performance in this regard.

Benefits of Green and Environment Audit to Educational Institutions

Green and Environment Audits offer numerous benefits to educational institutions, helping them enhance sustainability, reduce environmental impact, and promote responsible resource management. Here are some key benefits:

1. Conducting a green audit can help educational institutions identify inefficiencies in resource use, such as water consumption. By implementing recommendations from the audit, institutions can reduce utility costs and operating expenses, leading to significant cost savings over time.
2. Green audits enable institutions to assess their environmental footprint and identify opportunities for improvement. By implementing measures to reduce waste generation, and greenhouse gas emissions, educational institutions can contribute to environmental conservation and help mitigate climate change.
3. Green audits foster a culture of sustainability within educational institutions. By raising awareness about environmental issues and promoting sustainable practices among students, faculty, staff, and administrators, institutions can

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

inspire positive behavior change and empower individuals to adopt eco-friendly habits both on campus and in their personal lives.

4. Demonstrating a commitment to sustainability through green audits can enhance the reputation and brand image of educational institutions. By publicly showcasing their environmental initiatives and achievements, institutions can attract environmentally conscious students, faculty, staff, donors, and partners who value sustainability and social responsibility.

Executive Summary

A Green Campus or an Eco-friendly Campus is a place where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. It is a campus which is sustainable because of its resource utilization and minimum waste discharge into the environment. Green and Environmental Audit is an assessment of the extent to which an organization is observing practices which minimize harm to the environment. It assesses the campus performance in complying with applicable environmental laws and regulations. This audit report comprises of observations and recommendations for improvement of environmental conditions in the campus. It mainly focuses on the environmental management plan in the campus with environmental factors like quality of water, ventilation, vegetation, waste management practices in the campus, etc.,

For this purpose, to assess the quality of the different environmental factors, samples were analyzed at different places in the campus, viz., water quality, light intensity, air quality, noise pollution and electro-magnetic radiation. The data which was collected were assorted, scrutinized, analyzed and documented. Campus related preliminary interviews with the concerned staff were conducted. Student interaction also was carried out for this purpose. A report based on all these studies with regards to an environmental management plan at the campus with recommendations for further improvement is prepared.

Objectives and Scope

The purpose of this audit was to note that the campus follows environmentally friendly approaches in its regular routine. The implementation of these methods is done in the campus, across all departments, administrative bodies and students and were analyzed.

Following issues were noted during our visit:

- Present conditions at the campus.
- Environmental education through systematic environmental management approach.
- Improving environmental standards.
- Benchmarking for environmental protection initiatives.
- Sustainable use of natural resource in the campus.

Based on the available data, sampling and information provided by the college staff and officials, this report has been prepared and recommendations for betterment of campus environment are provided.

Summary of Findings

The main findings of the audit show that, all the students are aware about the need for environmental protection at a general level. It was also observed that a number of best practices such as water conservation, sewage treatment in sewage treatment plant, waste management, cleanliness, waste segregation, plantation, etc., are followed in the campus.

However, on detailed review, it was observed that, the college is following green practices at various levels. But certain processes could benefit from further review in order to improve their efficiency, and consistency.

Infrastructure and college details

- The college has sufficient infrastructure for curricular and co-curricular activities.
- Rooms - Classrooms, auditorium, library, department rooms, staffrooms, all labs, ladies' room etc.
- Sufficient reading materials for students.
- Administrative office, principal chamber, office room and department rooms are well located and ventilated.
- Borewell, Underground and overhead water tanks.
- Computers: 1253 desktops with internet facilities in office, principal chamber, department rooms and library with high-speed internet connectivity (400 MBPS).
- The institution is in area of 184735 sq. mt. and has a built-up area of 74702.2 sq. mt.
- Classrooms and staff rooms in the institute are 188 and 33 respectively.
- There are 59 lab with all the facilities and are well ventilated.
- There are a total of 32 halls (Auditoria, seminar halls, conference halls, conclave halls, plenary hall, senate etc.) with sufficient facilities.
- The campus has sports, yoga, gym rooms.

Eco-club/Green club team

An Eco-club or Green Club in college is a student-led group focused on promoting environmental awareness, sustainability, and eco-friendly practices within the campus and the broader community. The institution has made objectives, activities and projects for the same has been mentioned below:

Objectives

1. Environmental Awareness: Educate students and staff about environmental issues and the importance of sustainable living.
2. Sustainability Initiatives: Implement and promote eco-friendly practices on campus.
3. Community Engagement: Involve the college community in activities that support environmental protection and sustainability.
4. Advocacy and Policy: Advocate for environmentally responsible policies and practices at the college and local level.

Activities and Projects

1. Recycling Programs: Set up and manage recycling bins, organize recycling drives, and educate the community about proper waste segregation. E-waste collection drive and sending the same to the certified recycler has been channelized.
2. Green Campus Initiatives: Advocate for green building practices, installation of solar panels, and creation of green spaces like gardens.
3. Workshops and Seminars: Organize events on topics like sustainable living, climate change, and biodiversity conservation.
4. Clean-Up Drives: Conduct regular campus and community clean-up activities to remove litter and promote cleanliness.

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

5. Tree Planting: Organize tree-planting events to increase greenery and promote reforestation.
6. Sustainable Transportation: Promote the use of bicycles, public transport, and carpooling among students and staff.
7. Water Conservation: Initiate projects to reduce water waste, such as fixing leaks, promoting water-saving fixtures, and raising awareness about water conservation.
8. Eco-Friendly Products: Encourage the use of eco-friendly products like reusable water bottles, cloth bags, and biodegradable materials.
9. Collaboration with Other Organizations: Partner with local environmental groups, government agencies, and NGOs for larger environmental projects and campaigns.

Table No. 1: Details of Green Club team and its members

Sl. No.	Name	Designation
1	Rev. Fr. Dr. Augustine George	Principal (President of Eco-club/green club Team)
2	Dr. Priya Jossan Akkara	Staff
3	Dr. Indira M.N.	Staff
4	Dr. Sivagamasundari	Staff
5	Dr. Jagadisha	Staff
6	Ms. Rishika Bhattacharya	Student Representative
7	Mr. Tarun Kumar M.	Student Representative
8	Ms. Nandhana	Student Representative
9	Ms. Hamsa	Student Representative

Green Cover Details

Green Cover

Plants and trees are essential for any educational institution. Green cover makes the campus aesthetically pleasing and also helps in providing good environment for the students. Planting saplings and maintaining the same has to be done periodically.

Observations:

This campus has a green area with various plants and trees of different species. The Green club/Eco club unit of the college have been moving a step towards creating a greener campus with different programs and plantation activities. The campus is rich in biodiversity.

Landscaping of the college is worth seeing and reflects aesthetic sense. The campus has huge collection of trees, shrubs and herbs, decorative potted plants, climbers, nursery plants, medicinal and green house plants to make the environment pollution free to safeguard the health of all the inmates. The lawns and the trees provide shade and beautiful ambience. Utmost care has been taken to develop and maintain green landscaping by trained gardeners and supervisor. The construction, maintenance and beautification committee constituted in the college looks after the development and maintenance of the greenery in the campus.

Plantation drives are conducted every year.

Institution conducts annual plantation drives in college. These drives have numerous environmental, social, and educational benefits. Here are some key aspects:

Objectives

Enhance Green Cover: Increase the number of trees on campus to improve air quality, provide shade, and enhance the aesthetic appeal.

Promote Biodiversity: Support local wildlife by planting native species that provide habitats and food sources.

Raise Environmental Awareness: Educate the college community about the importance of trees and encourage sustainable practices.

Combat Climate Change: Trees absorb carbon dioxide, helping to mitigate the effects of climate change.

Benefits

Environmental Impact, Educational Value, Community Building, Aesthetic Improvement, Health Benefits.

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

Table No. 2: Green Cover Details

Sl. No.	Scientific Name	Common Name
1.	<i>Abrus precatorius</i>	Gunj
2.	<i>Adenanthera pavonina</i>	Red Lucky Seed
3.	<i>Aegle marmelos</i>	Stone apple, Wood apple
4.	<i>Alstonia schlorasis</i>	Devil tree
5.	<i>Alstonia Venenata</i>	Poison devil tree
6.	<i>Annona cherimola</i>	Cherimoya
7.	<i>Annona muricata</i>	Soursop
8.	<i>Annona reticulata</i>	Custard apple
9.	<i>Araucaria araucana</i>	Monkey's puzzle tree
10.	<i>Areca catechu</i>	Areca palm
11.	<i>Arthrostylidium</i>	Climber bamboo
12.	<i>Artocarpus altilis</i>	Bread fruit
13.	<i>Artocarpus heterophyllus</i>	Jackfruit
14.	<i>Arucaria</i>	Christmas tree
15.	<i>Ayapana triplinervis</i>	Ayapana
16.	<i>Baliospermum montanum</i>	Red Physic Nut
17.	<i>Bambusa vulgaris</i>	Bush bamboo
18.	<i>Bauhinia phoenicea</i>	Crimson Mountain
19.	<i>Bauhinia purpurea</i>	Purple orchid tree
20.	<i>Bauhinia tomentosa</i>	Yellow Bauhinia
21.	<i>Budleja asiatica</i>	White butterfly bush
22.	<i>Bursera linanoe</i>	Indian Linaloe

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

23.	<i>Butea capitata</i>	Pindo plam
24.	<i>Butea monosperma</i>	Flame of the Forest
25.	<i>Caesalpinia pulcherrima</i>	Peakcock flower
26.	<i>Caesalpinia sappan</i>	Sappan Wood
27.	<i>Callistemon rigidus</i>	Bottle brush
28.	<i>Calophyllum apetalum</i>	Konkan Beauty Leaf Tree
29.	<i>Calophyllum calaba</i>	Santa-maria
30.	<i>Calotropis gigantea</i>	Crown Flower
31.	<i>Carmona retusa</i>	Scorpion bush
32.	<i>Cassia fistula</i>	Golden shower
33.	<i>Celastrus paniculatus</i>	Black oil plant
34.	<i>Cestrum elegans</i>	purple cestrum
35.	<i>Chinese palm</i>	Palm
36.	<i>Chrysalidocarpus lutescens</i>	Areca palm
37.	<i>Cinnamomum verum</i>	Cinnamon
38.	<i>Citharexylum spinosum</i>	<u>Fiddlewood</u>
39.	<i>Citrus limon</i>	<u>Lemon</u>
40.	<i>Citrus X sinensis</i>	Orange
41.	<i>Clusia rosea</i>	Autograph Tree
42.	<i>Cocos capitata</i>	Pindo palm
43.	<i>Cocos nucifera</i>	Coconut
44.	<i>Colocasia esculenta</i>	taro
45.	<i>Commiphora agallocha</i>	
46.	<i>Commiphora caudata</i>	Hill mango

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

47.	<i>Coprosma repens</i>	Sunrise bush
48.	<i>Cordyline australis</i>	Cabbage tree
49.	<i>Cryptolepis buchanania</i>	Shyama.
50.	<i>Cupressus macrocarpa</i>	Lemon cyprus
51.	<i>Cupressus Sempervirens</i>	Pencil palm
52.	<i>Cupressus torulosa</i>	Bhutan Cypress
53.	<i>Curcuma aeruginosa</i>	Pink and blue ginger
54.	<i>Cyanotis axillaris</i>	spreading dayflower
55.	<i>Cyanthillium cinereum/ Vernonia cinerea</i>	Ash coloured fleabane
56.	<i>Desmodium pulchellum</i>	Showy Desmodium
57.	<i>Dieffenbachia seguine</i>	Dumb Cane
58.	<i>Dregea volubilis</i>	Sneeze wort
59.	<i>Ecbolium viride</i>	Green Shrimp Plant
60.	<i>Elaeagnus conferta</i>	Bastard oleaster
61.	<i>Elaeagnus kologa</i>	South Indian Wild Olive
62.	<i>Erigeron belliloides</i>	Daisy feabane
63.	<i>Eriobotrya japonca</i>	Loquat, Japanese medla
64.	<i>Eryngium foetidum</i>	Culantro
65.	<i>Evolvulus nummularius</i>	Dwarf morning glory
66.	<i>Ficus benjamina</i>	Ficus
67.	<i>Ficus hispida</i>	Hairy Fig
68.	<i>Ficus lyrata</i>	Fiddle leaf fig
69.	<i>Ficus racemosa</i>	Cluster fig

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

70.	<i>Fragaria ananassa</i>	Strawberry
71.	<i>Garcinia cowa</i>	Cowa mangosteen
72.	<i>Gendarussa vulgaris/ Justicia gendarussa</i>	Willow leaf Justicia
73.	<i>Hedychium spicatum</i>	Spiked Ginger Lily
74.	<i>Hibiscus sabdariffa</i>	Roselle
75.	<i>Holarrhena pubescens</i>	Invulnerable kite
76.	<i>Homalocladium platycladum</i>	Tapeworm plant
77.	<i>Houttuynia cordata</i>	Chameleon Plant
78.	<i>Hydrocotyle verticillata</i>	Whorled Marsh pennywort
79.	<i>Kopsia arborea</i>	Shrub Vinca, Penang Sloe
80.	<i>Lagerstroemia speciosa</i>	Rose of india
81.	<i>Laurus nobilis</i>	Bay Laurel
82.	<i>Lawsonia inermis</i>	Henna
83.	<i>Litichi chinensis</i>	Litchi
84.	<i>Maesa indica</i>	Wild berry
85.	<i>Magnolia champaca</i>	Champaka
86.	<i>Malvaviscus arboreus</i>	Sleeping Hibiscus
87.	<i>Mangifera indica</i>	Mango
88.	<i>Manilkara zapota</i>	Sapota
89.	<i>Marjorana hortensis</i>	Sweet Marjoram
90.	<i>Mentha spicata</i>	Mint
91.	<i>Millettia laurentii</i>	African rose wood
92.	<i>Millettia pinnata</i>	Pongame

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

93.	<i>Mimusops elengi</i>	Spanish cherry (Elengi)
94.	<i>Morinda citrifolia</i>	Noni
95.	<i>Muehlenbeckia platyclados</i>	Tapeworm plant
96.	<i>Muntingia calabura</i>	Singapore cherry
97.	<i>Murraya koenigii</i>	Curry leaves
98.	<i>Murraya paniculata</i>	Orange jessamine
99.	<i>Mussaenda frondosa (small)</i>	Hairless Mussaenda
100.	<i>Myristica fragance</i>	Nutmeg
101.	<i>Nothapodytes nimmoniana</i>	Ghanera
102.	<i>Passiflora edulis</i>	Purple Passionfruit
103.	<i>Peperomia obustifolia</i>	Baby Rubber Plant
104.	<i>Persea americana</i>	Butter fruit
105.	<i>Phyla nodiflora</i>	Turkey tangle frogfruit
106.	<i>Phyllantas emblica</i>	Amla / Indian Gooseberry
107.	<i>Phyllanthus riticulatus</i>	Potato plant
108.	<i>Plectranthus vetiveroides</i>	spur-flower.
109.	<i>Polianthes tuberosum</i>	Mexican tuberose
110.	<i>Pondranea ricasoliana</i>	Pink Trumpet Vine
111.	<i>Pseudomussaenda flava</i>	Yellow Mussaenda
112.	<i>Pterocarpus marsupium</i>	Indian Kino Tree
113.	<i>Rothea myricoides</i>	Butterfly Bush
114.	<i>Salvia rosmarinus</i>	Rosemary
115.	<i>Sansevieria trifasciata</i>	Snake plant
116.	<i>Santolina chamaecyparissus</i>	Lavender Cotton

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

117.	<i>Scaevola taccada</i>	Bhadraksha or Half flower
118.	<i>Schefflera venulosa</i>	Umbrella plant
119.	<i>Sesbania grandiflora</i>	Agati
120.	<i>Simarouba glauca</i>	Bitter wood
121.	<i>Spathodea campanulata</i>	African Tulip tree
122.	<i>Sterospermum colais</i>	Yellow Snake Tree
123.	<i>Streblus asper</i>	Sand Paper Tree
124.	<i>Strobilanthus ciliatus</i>	Shining Leaf
125.	<i>Strychnos nux-vomica</i>	Nux vomica
126.	<i>Symphorema involucreatum</i>	Bhingri
127.	<i>syzgium companulatum</i>	Indonesia white
128.	<i>Syzygium cumini</i>	Jamun Fruit
129.	<i>Syzygium samarangense</i>	Rose water apple
130.	<i>Tabebuia aurea</i>	Silver Trumpet
131.	<i>Tabebuia rosea</i>	Pink tree
132.	<i>Taraxacum officinale</i>	Dandelion
133.	<i>Tectona grandis</i>	Teak
134.	<i>Terminalia arjuna</i>	Arjuna
135.	<i>Terminalia mantaly</i>	Umbrella tree
136.	<i>Terminalia catappa</i>	Indian almond
137.	<i>Vitex leucoxylon</i>	White wood Chaste Tree
138.	<i>Vateria indica</i>	White dammar
139.	<i>Vitex negundo</i>	Nocchi (Black)
140.	<i>Vitex trifolia</i>	Three leaved chaste tree

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

141.	<i>Washingtonia robusta</i>	Mexcian fan palm
142.	<i>Ziziphus jujuba</i>	Jujube red date

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

Table No. 3: Details of Medicinal Plants in Campus

Sl. No.	Scientific Name	Common Name
1.	<i>Abrus precatorius</i>	Gunj
2.	<i>Acalypha indica</i>	Indian Copper leaf
3.	<i>Achyranthes aspera</i>	Prickly Chaff flower
4.	<i>Acorus calamus</i>	Sweet flag
5.	<i>Adenanthera pavonina</i>	Red Lucky Seed
6.	<i>Adhatoda zeyanica</i>	Adusa
7.	<i>Aegle marmelos</i>	Stone apple, Wood apple
8.	<i>Aerva lanata</i>	Mountain Knot Grass
9.	<i>Allium nigrum</i>	Black Garlic
10.	<i>Aloe arborescens</i>	krantz aloe
11.	<i>Aloe vera</i>	Aloe vera
12.	<i>Alpinia calcarata</i>	Snap Ginger
13.	<i>Alpinia galanga</i>	Siamese ginger
14.	<i>Alpinia purpurea</i>	Red Ginger
15.	<i>Alstonia schlorasis</i>	Devil tree
16.	<i>Alstonia Venenata</i>	Poison devil tree
17.	<i>Alternanthera ficoidea</i>	Sanguinarea
18.	<i>Alternanthera sessilis</i>	Stalkless Joyweed
19.	<i>Amorphophallus paeoniifolius</i>	Elephant Foot Yam
20.	<i>Andrographis panicutala</i>	Kariyat,
21.	<i>Annona cherimola</i>	Cherimoya
22.	<i>Annona muricata</i>	Soursop

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

23.	<i>Annona reticulata</i>	Custard apple
24.	<i>Aplinia purpurea</i>	Red Ginger, Ostrich Plume
25.	<i>Areca catechu</i>	Areca palm
26.	<i>Artemisia abrotanum</i>	Southern wormwood
27.	<i>Artemisia distimilar</i>	Mugwort
28.	<i>Artemisia nilagirica</i>	Indian Wormwood
29.	<i>Artemisia sinensis</i>	Worm wood
30.	<i>Artocarpus altilis</i>	Bread fruit
31.	<i>Artocarpus heterophyllus</i>	Jackfruit
32.	<i>Asclepias curassavica</i>	Blood flower
33.	<i>Asparagus racemosus</i>	Satawari, buttermilk root,
34.	<i>Asystasia gangetica</i>	Violet Asystasia
35.	<i>Azadirachta indica</i>	Neem
36.	<i>Bacopa monnieri</i>	Brahmi
37.	<i>Bambusoideae bamboo</i>	Bamboo
38.	<i>Barleria lupulina</i>	Hop Headed Barleria
39.	<i>Barleria prionitis</i>	Kantajati
40.	<i>Bauhinia phoenicea</i>	Crimson Mountain
41.	<i>Bauhinia tomentosa</i>	Yellow Bauhinia
42.	<i>Begonia heracleifolia var. nigricans</i>	Star Begonia
43.	<i>Begonia rex</i>	King Begonia
44.	<i>Bougainvillea glabra</i>	Bougainvillea
45.	<i>Breynia androgyna</i>	Sweet leaf
46.	<i>Budleja asiatica</i>	White butterfly bush

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

47.	<i>Butea capitata</i>	Pindo plam
48.	<i>Butea monosperma</i>	Flame of the Forest
49.	<i>Caesalpinia pulcherrima</i>	Peakcock flower
50.	<i>Callistemon rigidus</i>	Bottle brush
51.	<i>Calophyllum apetalum</i>	Konkan Beauty Leaf Tree
52.	<i>Calophyllum calaba</i>	Santa-maria
53.	<i>Calophyllum inophyllum</i>	Indian-laurel
54.	<i>Calotropis gigantea</i>	Crown Flower
55.	<i>Canna indica</i>	African Arrowroot
56.	<i>Caralluma umbellata</i>	Umbelled Caramulla
57.	<i>Cardiospermum helicacabum</i>	Balloon Vine
58.	<i>Carmona retusa</i>	Scorpion bush
59.	<i>Cassia fistula</i>	Golden shower
60.	<i>Casuarina equisetialia</i>	Whistling pine
61.	<i>Catharanthus roseus</i>	Vica rosea
62.	<i>Celastrus paniculatus</i>	Black oil plant
63.	<i>Centella asiatica</i>	Indian pennywort
64.	<i>Centratherum punctatum</i>	Peppermint
65.	<i>Cestrum diurnum</i>	Day Jasmine
66.	<i>Cestrum nocturnum</i>	Night blooming Jasmine
67.	<i>Chamaecostus cuspidatus/ Costus pictus</i>	Fiery costus, Insuin plant
68.	<i>Cheilocostus speciosus/ Costus speiosus</i>	Crepe ginger

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

69.	<i>Chlorophytum comosum</i>	Spider plant
70.	<i>Cinnamomum verum</i>	Cinnamon
71.	<i>Cissampelos pareira var. hirsuta</i>	Velvet leaf
72.	<i>Cissus quadrangularis</i>	Veldt Grape, Devil's Backbone
73.	<i>Cissus rotundifolia/ Vitis rotundifolia</i>	Venezuelan Treebine
74.	<i>Citharexylum spinosum</i>	<u>Fiddlewood</u>
75.	<i>Citrus limon</i>	<u>Lemon</u>
76.	<i>Citrus X sinensis</i>	Orange
77.	<i>Cleodendrum infortunatum</i>	Hill Glory Bower
78.	<i>Clerodendrum aculeatum</i>	West Indian Privet
79.	<i>Clerodendrum indicum</i>	Tube-flower
80.	<i>Clerodendrum paniculatum</i>	Pagoda Flower
81.	<i>Clerodendrum serratum</i>	Blue fountain brush
82.	<i>Clinacanthus nutans</i>	Sabah snake grass
83.	<i>Clusia rosea</i>	Autograph Tree
84.	<i>Cnidioscolus aconitifolius</i>	Tree spinach
85.	<i>Cocos nucifera</i>	Coconut
86.	<i>Codariocalyx motorius</i>	Telegraph plant
87.	<i>Coix lacryma-jobi</i>	Job's Tears
88.	<i>Coleus aromaticus/ coleus ambonicus</i>	Cuban Oregano
89.	<i>Coleus barbatus/ Coleus forskohlii</i>	Coleus

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

90.	<i>Coleus hadiensis/ Coleus zeylanicus</i>	Coleus
91.	<i>Colocartus erectus</i>	Green button Wood
92.	<i>Combretum indicum</i>	Rangoon Creeper
93.	<i>Commiphora agallocha</i>	
94.	<i>Commiphora caudata</i>	Hill mango
95.	<i>Coprosma repens</i>	Sunrise bush
96.	<i>Cosmostigma racemosum</i>	Green Milkweed Creeper
97.	<i>Costus pictus</i>	Painted Spiral Ginger
98.	<i>Costus speciosus</i>	Crepe Ginger
99.	<i>Costus spicatus</i>	Spiked spiralfag ginger
100.	<i>Costus woodsonii</i>	Red Button Ginger
101.	<i>Crinum asiaticum</i>	Poison Bulb
102.	<i>Croton bonplandianum</i>	Bonpland's croton
103.	<i>Cryptolepis buchanania</i>	Shyama.
104.	<i>Cryptostegia grandiflora</i>	Rubber vine
105.	<i>Curculigo orchoides</i>	Golden Eye Grass
106.	<i>Curcuma aeruginosa</i>	Pink and blue ginger
107.	<i>Curcuma aromatica</i>	wild turmeric
108.	<i>Curcuma longa</i>	Turmeric
109.	<i>Curcuma zeodaria</i>	Zedoary
110.	<i>Cycas circinalis</i>	Queen sago palm
111.	<i>Cycas revoluta</i>	King sago palm
112.	<i>Cymbopogon citratus</i>	Lemon grass

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

113.	<i>Cymbopogon nardus</i>	Citronella grass
114.	<i>Cynodon dactylon</i>	Bermuda grass
115.	<i>Cyperus alternifolius</i>	Umbrella Sedge
116.	<i>Cyperus rotundus</i>	Common Nut Sedge
117.	<i>Datura metal</i>	Devils weed
118.	<i>Decalepis hamiltonii</i>	Swallow-Root
119.	<i>Desmodium pulchellum</i>	Showy Desmodium
120.	<i>Dianella ensifolia</i>	umbrella dracaena
121.	<i>Dieffenbachia seguine</i>	Dumb Cane
122.	<i>Diospyros ebenum</i>	Ceylon ebony
123.	<i>Dracaena marginata</i>	Red Ruby
124.	<i>Dypsis lutescens</i>	Ornametnal plam
125.	<i>Ecbolium viride</i>	Green Shrimp Plant
126.	<i>Elaeagnus conferta</i>	Bastard oleaster
127.	<i>Elaeagnus kologa</i>	South Indian Wild Olive
128.	<i>Elaeocarpus ganitrus</i>	Rudraksha
129.	<i>Elaeocarpus tuberculatus</i>	Warty Marble Tree
130.	<i>Elephantopus scaber</i>	Elephant's foot
131.	<i>Embelia ribes</i>	False black pepper
132.	<i>Embelia tjeriam-cottam</i>	Malabar Embelia
133.	<i>Emilia Sonchifolia</i>	Purple sow thistle
134.	<i>Ensete superbum</i>	Rock banana
135.	<i>Equisetum hyemale</i>	Rough horsetail
136.	<i>Erigeron belliloides</i>	Daisy feabane

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

137.	<i>Erigeron karvinskianus</i>	Latin American fleabane
138.	<i>Eryngium foetidum</i>	Culantro
139.	<i>Erythrina stricta</i>	Prickly Coral Tree
140.	<i>Euphorbia Milii</i>	Crown of thorns
141.	<i>Euphorbia pulcherrima</i>	Poinsettia
142.	<i>Euphorbia Trigona</i>	African Milk Tree
143.	<i>Evolvulus alsinoides</i>	dwarf morning-glory
144.	<i>Ficus benamina</i>	Ficus
145.	<i>Ficus lyrata</i>	Fiddle leaf fig
146.	<i>Filicium Decipiens</i>	Fern Tree
147.	<i>Flemingia bracteata</i>	Wild Hops
148.	<i>Fragaria ananassa</i>	Strawberry
149.	<i>Garcinia cowa</i>	Cowa mangosteen
150.	<i>Garcinia xanthochymus</i>	Mysore Gamboge
151.	<i>Gendarussa vulgaris/ Justicia gendarussa</i>	Willow leaf Justicia
152.	<i>Glycosmis mauritiana</i>	Orange Berry
153.	<i>Glycyrrhiza glabra</i>	Licorice
154.	<i>Grevillea victoriae</i>	Royal grevillea
155.	<i>Hamelia patens</i>	hummingbird bush
156.	<i>Hedychium coronarium</i>	Ginger lilly
157.	<i>Hedychium flavescens</i>	Yellow Ginger Lily
158.	<i>Hedychium spicatum</i>	Spiked Ginger Lily
159.	<i>Helicteres isora</i>	East Indian Screw tree

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

160.	<i>Hemidesmus indicus</i>	Indian Sarsaparilla
161.	<i>Hemionitis arifolia</i>	Heart leaf fern
162.	<i>Hibiscus radiates</i>	Monarch Rosemallow
163.	<i>Hibiscus rosa-sinensis</i>	Shoe Flower
164.	<i>hibiscus tiliaceus small</i>	Sea hibiscus
165.	<i>Hiptage benghalensis</i>	Madhavi lata
166.	<i>Homalocladium platycladum</i>	Tapeworm plant
167.	<i>Houttuynia cordata</i>	Chameleon Plant
168.	<i>Humboldtia brunonis</i>	Brown's Humboldtia
169.	<i>Hydrocotyle verticillata</i>	Whorled Marsh pennywort
170.	<i>Hygrophylla schulli</i>	Marsh Barbel
171.	<i>Impatiens walleriana</i>	Busy Lizzie
172.	<i>Imperata cylindrica</i>	Cotton grass
173.	<i>Indigofera longiracemosa</i>	Indigofera
174.	<i>Indigofera racemosa</i>	Clay Indigo
175.	<i>Ipomea batatas</i>	Sweet Potato
176.	<i>Ipomea horsfalliae</i>	Cardina creeper, morning glory
177.	<i>Ipomea quamoclit</i>	Cypress Vine
178.	<i>Ipomea tuba/ violoacea</i>	<u>Beach Moonflower</u>
179.	<i>Ipomoea mauritiana</i>	Morning glory
180.	<i>Ixora coccinea</i>	Jungle geranium
181.	<i>Ixora finlaysoniana</i>	White Jungle Flame

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

182.	<i>Jasminium rigidium/ Jasminum cuspidatum</i>	Pointedleaf Jasmine
183.	<i>Jasminum auriculatum</i>	Juhi
184.	<i>Jasminum elongatum</i>	Red star Jasmine
185.	<i>Jasminum malabaricum</i>	Malabar jasmine
186.	<i>Jatropha curcas</i>	Physic Nut
187.	<i>Jatropha maheshwarii</i>	Physic nut
188.	<i>Jatropha multifida</i>	Coral bush
189.	<i>Justicia adhatoda</i>	Malabar nut
190.	<i>Justicia betonica</i>	Squirrel tail
191.	<i>Justicia gendarussa</i>	Willow-Leaf Justicia
192.	<i>Kaempferia galanga</i>	Aromatic Ginger, Resurrection lily
193.	<i>Kaempferia rotunda</i>	Peacock Ginger
194.	<i>Kalanchoe bhidei</i>	Bhide's Kalanchoe
195.	<i>Kalanchoe pinnata</i>	Air plant
196.	<i>Kleinia</i>	Large-Flower Kleinia
197.	<i>Kopsia arborea</i>	Shrub Vinca, Penang Sloe
198.	<i>Laurus nobilis</i>	Bay Laurel
199.	<i>Lawsonia inermis</i>	Henna
200.	<i>Leea indica</i>	Bandicoot berry
201.	<i>Leucas aspera</i>	Whitewort
202.	<i>Lobelia nicotianifolia</i>	Wild tobacco
203.	<i>Maesa indica</i>	Wild berry

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

204.	<i>Magnolia champaca</i>	Champaka
205.	<i>Malpighia emarginata</i>	Barbados Cherry/ Acerola cherry
206.	<i>Malvastrum coromandelianum</i>	False Mallow
207.	<i>Malvaviscus arboreus</i>	Sleeping Hibiscus
208.	<i>Mammea suriga</i>	Surangi
209.	<i>Mangifera indica</i>	Mango
210.	<i>Manoa aliacea</i>	Garlic vine
211.	<i>Maranta arundinacea</i>	Arrowroot
212.	<i>Maranta arundinaceae</i>	Arrow root
213.	<i>Markhamia lutea</i>	Nile Tulip
214.	<i>Melissa officinalis</i>	Lemon balm
215.	<i>Mentha piperata</i>	Pepper mint
216.	<i>Mentha spicata</i>	Mint
217.	<i>Millettia laurentii</i>	African rose wood
218.	<i>Millettia pinnata</i>	Pongame
219.	<i>Mimusops elengi</i>	Spanish cherry (Elengi)
220.	<i>Morinda citrifolia</i>	Noni
221.	<i>Moringa oleifera</i>	Drumstick
222.	<i>Muntingia calabura</i>	Singapore cherry
223.	<i>Murraya koenigii</i>	Curry leaves
224.	<i>Mussanda frondosa (small)</i>	Hairless Mussaenda
225.	<i>Myrstica fragrance</i>	Nutmeg
226.	<i>Nephrolepis exaltata</i>	Boston fern

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

227.	<i>Nothapodytes nimmoniana</i>	Ghanera
228.	<i>Nyctanthus arbortristis</i>	Night Flowering Jasmine
229.	<i>Ocimum basilicum</i>	Sweet basil
230.	<i>Ocimum gratissimum</i>	African Basil
231.	<i>Ocimum kilimandscharicum</i>	Common Basil
232.	<i>Ocimum tenuiflorum</i>	Holy basil
233.	<i>Odontone cuspidatum</i>	Cardinals Guard
234.	<i>Oldenlandia corymbosa</i>	White Diamond Flower
235.	<i>Operculina turpethum</i>	Indian Jalap
236.	<i>Origanum vulgare</i>	Oregano
237.	<i>Orthosiphon aristatus/ stamineus</i>	Cat's Whiskers
238.	<i>Osbeckia zeylanica</i>	Wall Osbeckia
239.	<i>Oxalis corniculata</i>	Clover
240.	<i>Pandanus amaryllifolius</i>	Screwpine
241.	<i>Parietaria officinalis</i>	Lichwort
242.	<i>Peperomia obustifolia</i>	Baby Rubber Plant
243.	<i>Persea americana</i>	Butter fruit
244.	<i>Persea macrantha</i>	Indian Persea
245.	<i>Phyla nodiflora</i>	Turkey tangle frogfruit
246.	<i>Phyllantas emblica</i>	Amla / Indian Gooseberry
247.	<i>Phyllanthus acidus</i>	Star gooseberry
248.	<i>Phyllanthus niruri / P. amarus</i>	Gale of Wind
249.	<i>Phyllanthus riticulatus</i>	Potato plant
250.	<i>Pilea microphylla</i>	Gun Powder Plant

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

251.	<i>Pimenta dioica</i>	Jamaican Pepper
252.	<i>Piper betle</i>	Betel vine
253.	<i>Piper longum</i>	Long pepper
254.	<i>Piper nigrum</i>	Black pepper
255.	<i>Pistia stratiotes</i>	Water Lettuce
256.	<i>Plantago major</i>	Broad leaved plantain
257.	<i>Plantago ovata</i>	blond psyllium
258.	<i>Plectranthus barbatus</i>	Indian coleus
259.	<i>plumbago auriculata</i>	Plumbago, Cape lead wort
260.	<i>Plumbago zeylanica</i>	Ceylon leadwort
261.	<i>Polianthes tuberosum</i>	Mexican tuberose
262.	<i>Polyalthia longifolia</i>	Ashoka tree
263.	<i>Polygonum capitatum</i>	Pink Knotweed
264.	<i>Polygonum chinensis</i>	Chinese Knotweed
265.	<i>Pondranea ricasoliana</i>	Pink Trumpet Vine
266.	<i>Pongamia pinnata</i>	Pongam Tree,
267.	<i>Portulaca grandiflora</i>	Moss rose
268.	<i>Potentilla indica</i>	Indian strawberry
269.	<i>Pouzolzia wightii</i>	Pouzolzia
270.	<i>Pouzolzia zeylanica</i>	Graceful Pouzolzbush
271.	<i>Premna integrifolia</i>	Headache Tree
272.	<i>Pseuderanthemum atropurpureum</i>	Purple False
273.	<i>Pseudomussaenda flava</i>	Yellow Mussaenda
274.	<i>Pterocarpus marsupium</i>	Indian Kino Tree

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

275.	<i>Punica granatum</i>	Pomagranate
276.	<i>Pyrrrosia heterophylla</i>	
277.	<i>Rauvolfia tetraphylla</i>	Wild Snake Root
278.	<i>Rhinacanthus nasutus</i>	Snake jasmine
279.	<i>Ricinus communis</i>	Castor bean
280.	<i>Rosmarinus officinalis</i>	Rose mary
281.	<i>Roystonea regia</i>	Royal palm
282.	<i>Ruellia simplex</i>	Desert Petunia
283.	<i>Rumex hastatus</i>	Arrow leaf dock
284.	<i>Ruta graveolens</i>	Rue
285.	<i>Saccharum spontaneum</i>	Wild sugarcane
286.	<i>Salvia rosmarinus</i>	Rosemary
287.	<i>Samadera indica</i>	Niepa Bark Tree
288.	<i>Sansevieria trifasciata</i>	Snake plant
289.	<i>Santalum album</i>	Sandalwood
290.	<i>Saraca asoca</i>	Ashoka tree
291.	<i>Sarcostemma acidum</i>	Moon plant
292.	<i>Scaevola taccada</i>	Bhadraksha or Half flower
293.	<i>Schefflera venulosa</i>	Umbrella plant
294.	<i>Scoparia dulcis</i>	Sweet broom weed
295.	<i>Sesbania grandiflora</i>	Agati
296.	<i>Sida acuta</i>	Common wireweed
297.	<i>Simarouba glauca</i>	Bitter wood
298.	<i>Solanum nigrum</i>	Deadly Nightshade

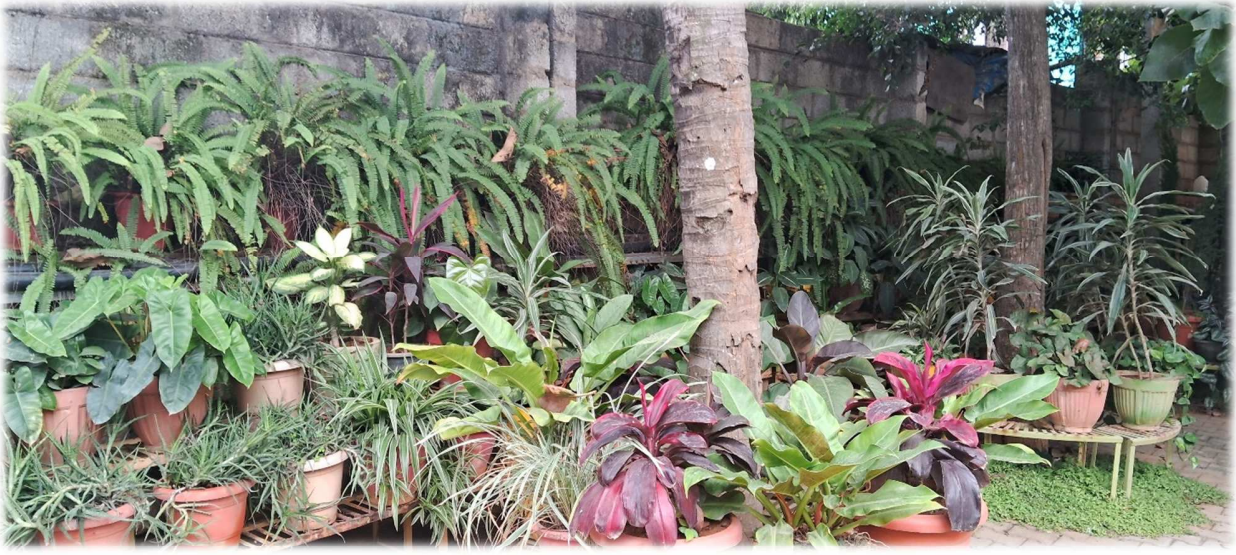
Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

299.	<i>Solanum pubescens</i>	Thornless Turkey Berry
300.	<i>Solanum trilobatum</i>	Red pea Egg Plant
301.	<i>Spermadictyon suaveolens</i>	Forest Champa
302.	<i>sphagneticola trilobata</i>	Creeping daisy
303.	<i>Stachytarpheta jamaicensis var indica</i>	Blue snakeweed
304.	<i>Stachytarpheta mutabilis</i>	Pink Snakeweed
305.	<i>Stenosiphonium russellianum</i>	
306.	<i>Sterospermum colais</i>	Yellow Snake Tree
307.	<i>Stevia rebaudiana</i>	Candy leaf
308.	<i>Stictocardia beraviensis</i>	Hawaiian Sunset Vine
309.	<i>Streblus asper</i>	Sand Paper Tree
310.	<i>Strobilanthes alternata</i>	Red Ivy
311.	<i>Strobilanthes barbatus</i>	Bearded Coneflower
312.	<i>Strobilanthes foliosa</i>	Leaf enclosed Coneflower
313.	<i>Strobilanthes ciliatus</i>	Shining Leaf
314.	<i>Strychnos nux-vomica</i>	Nux vomica
315.	<i>Symphorema involucreatum</i>	Bhingri
316.	<i>syzygium companulatum</i>	Indonesia white
317.	<i>Syzygium samarangense</i>	Rose water apple
318.	<i>Tacoma stans</i>	Yellow Trumpet
319.	<i>Talinum portulacifolium</i>	Flameflower.
320.	<i>Tectona grandis</i>	Teak
321.	<i>Terminalia mantaly</i>	Umbrella tree

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

322.	<i>Terminalia catappa</i>	Indian almond
323.	<i>Thunbergia erecta</i>	Kings Mantle
324.	<i>Thunbergia erecta</i>	Bush Clock Vine
325.	<i>Thunbergia mysorensis/ Thunbergia coccinea</i>	Mysore Clock Vine
326.	<i>Tinospora cordifolia</i>	Guduchi
327.	<i>Tradescantia zebrina</i>	inchplant
328.	<i>Tunera ulmifolia (Yellow)</i>	Yellow buttercup
329.	<i>Turnera subulata</i>	White Butter cup
330.	<i>Vateria indica</i>	White dammar
331.	<i>Vallaria solanacea</i>	Bread Flower
332.	<i>Vernonia amygdalina</i>	Bitter leaf
333.	<i>Vetiveria zizanioides</i>	Sandalwood fan
334.	<i>Vitex leucoxydon</i>	White wood Chaste Tree
335.	<i>vitex negundo</i>	Nocchi (Black)
336.	<i>Vitex trifolia</i>	Three leaved chaste tree
337.	<i>Withania somnifera</i>	Ashwagandha
338.	<i>Woodfordia fruticosa</i>	Fire Flame Bush
339.	<i>Xanthosoma sagittifolium</i>	Arrowleaf elephant ear
340.	<i>Zephyranthes grandiflora</i>	Rain Lily
341.	<i>Zingiber zerumbet</i>	Shampoo ginger
342.	<i>Ziziphus jujuba</i>	Jujube red date
343.	<i>Ziziphus oenoplia</i>	Jackal jujube

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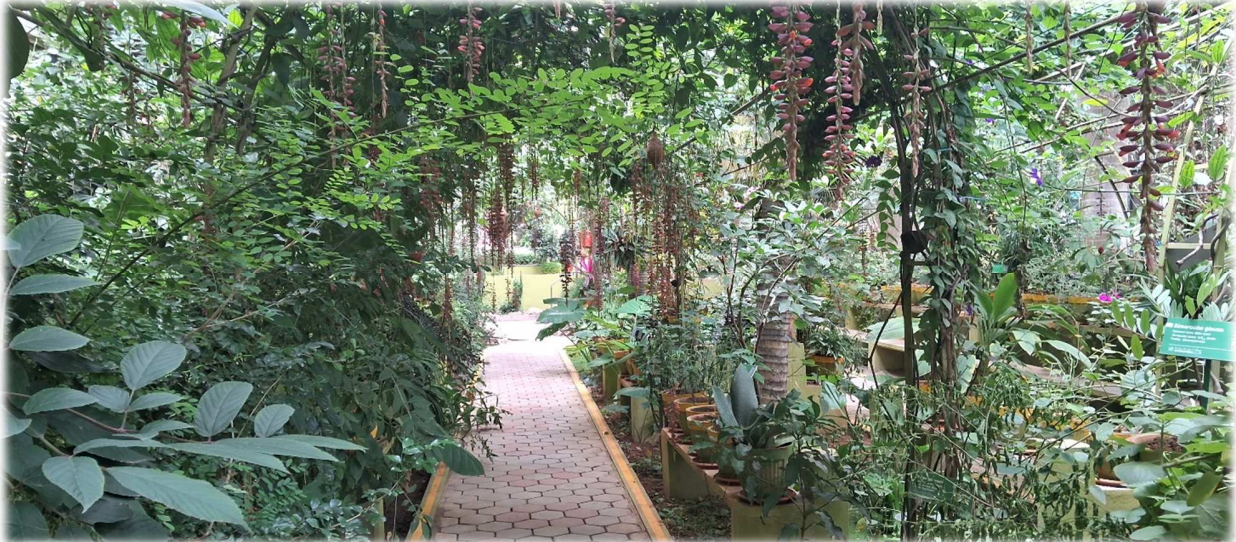
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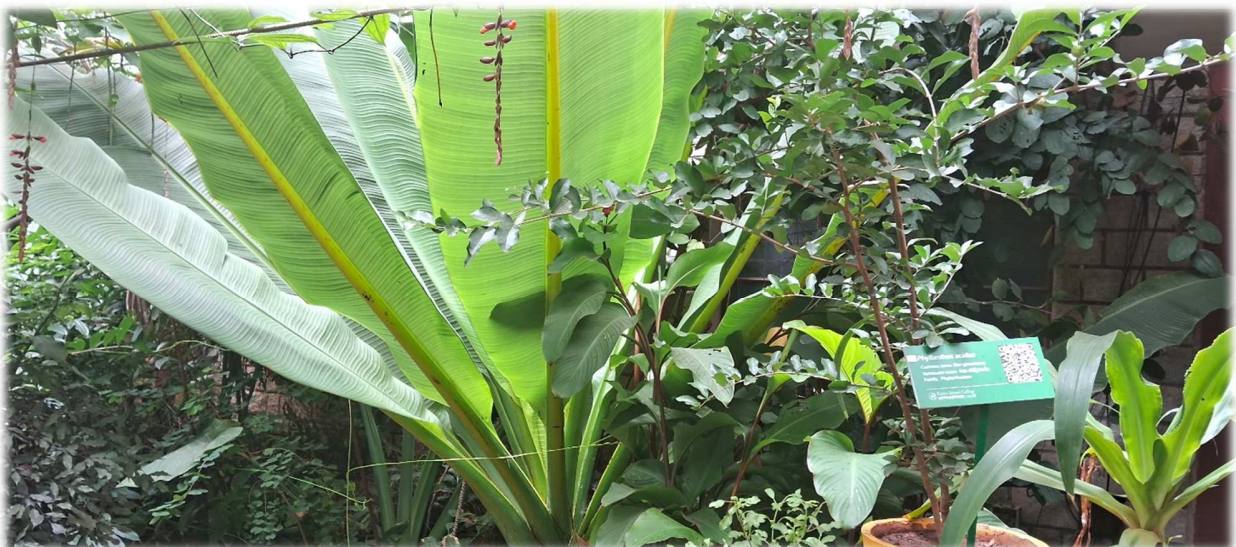


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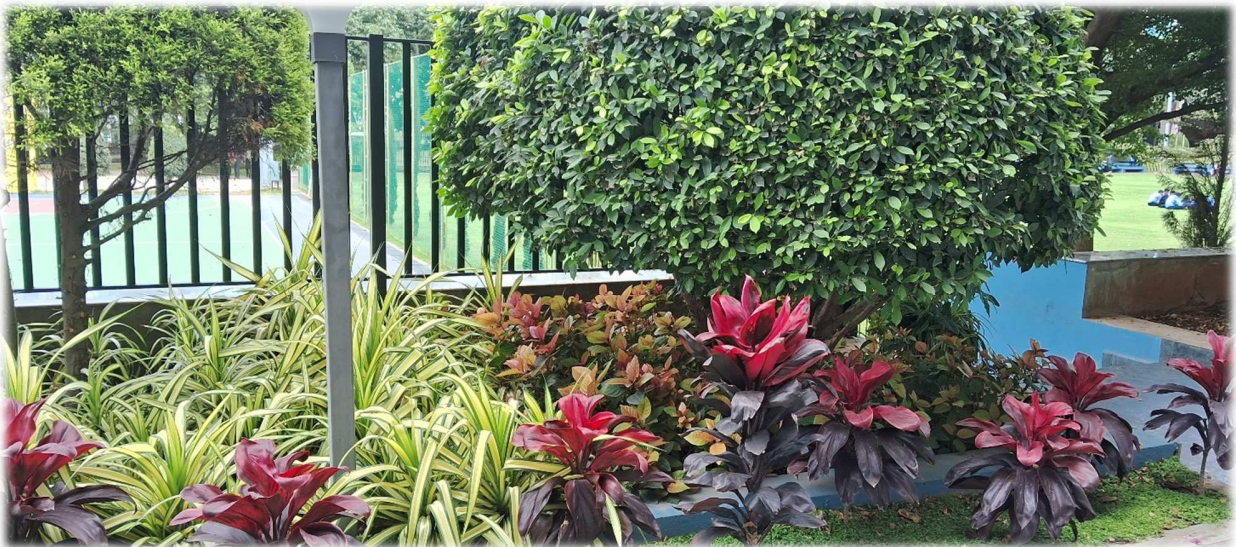


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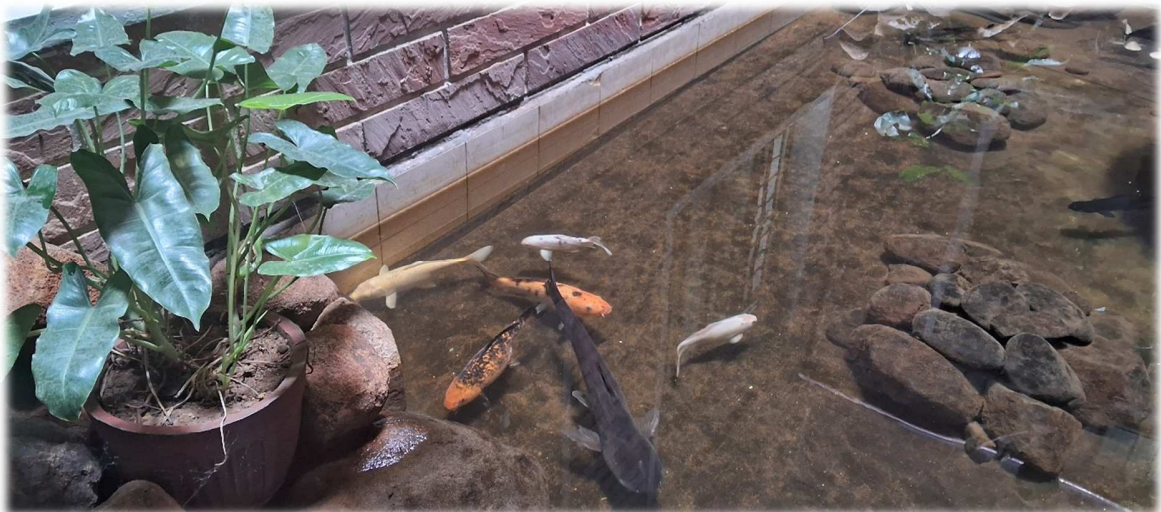
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Biodiversity in the campus:

Biodiversity is the natural world around us, and the variety of all of the different kinds of organisms - the plants, animals, insects and microorganisms that live on our planet.

Observations:

The institute has maintained a sufficient green cover in the campus. This helps in maintaining the biodiversity balance around. Many bird species can be spotted in the campus. Bees play an important role in pollination, flowers in the campus attract many species of bees.



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Environment Management Details

Water Audit

Quality and Quantity of water is one of the most important parameters in a Green Campus. Water Quality and Quantity differs from place to place depending on the condition of the water source from which it is drawn. Presence of contaminants in the water can lead to health issues of the consumers. Basic monitoring of the quality of water is necessary from the health point of view of the campus occupants. Meticulous Water Management plan of the water available is also imperative for sustainable resource utilization.

A water audit systematically examines water use within an institution to identify inefficiencies, minimize wastage, and optimize water consumption. For educational institutions, this involves assessing water consumption patterns in classrooms, hostels, canteens, restrooms, laboratories, gardens, and other facilities.

Steps for Conducting a Water Audit

Source of water and water usage points

To conduct water audit the main factor to be considered is source of water and water usage point. Source of water for Kristu Jayanti College is borewell, rainwater harvesting systems, water supplied from outside (tankers).

Water consumed in the campus is in: academic blocks, hostels, staff quarters, sports facilities, gardens, and laboratories and so on.

Data collection

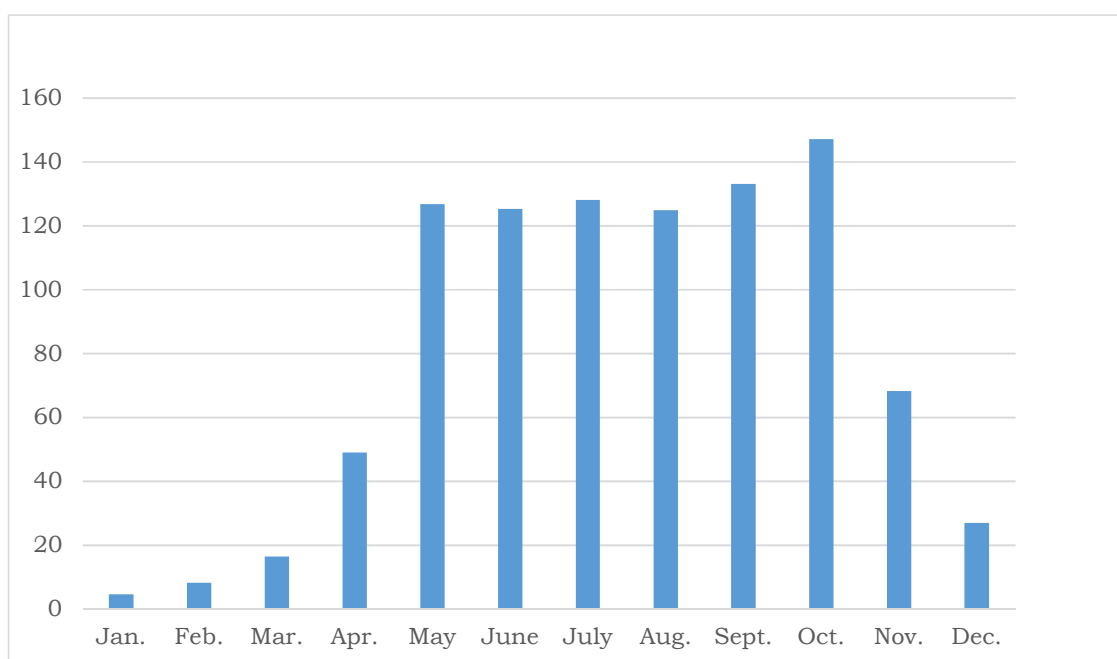
This includes number of students and staff, per capita demand, rainfall data, number of rainy days, capacity of rainwater storage tanks, water consumed every day.

- The campus has 12500 students, 571 teaching staff, and 200 non-teaching staff. This accounts for a total of 13271 members.

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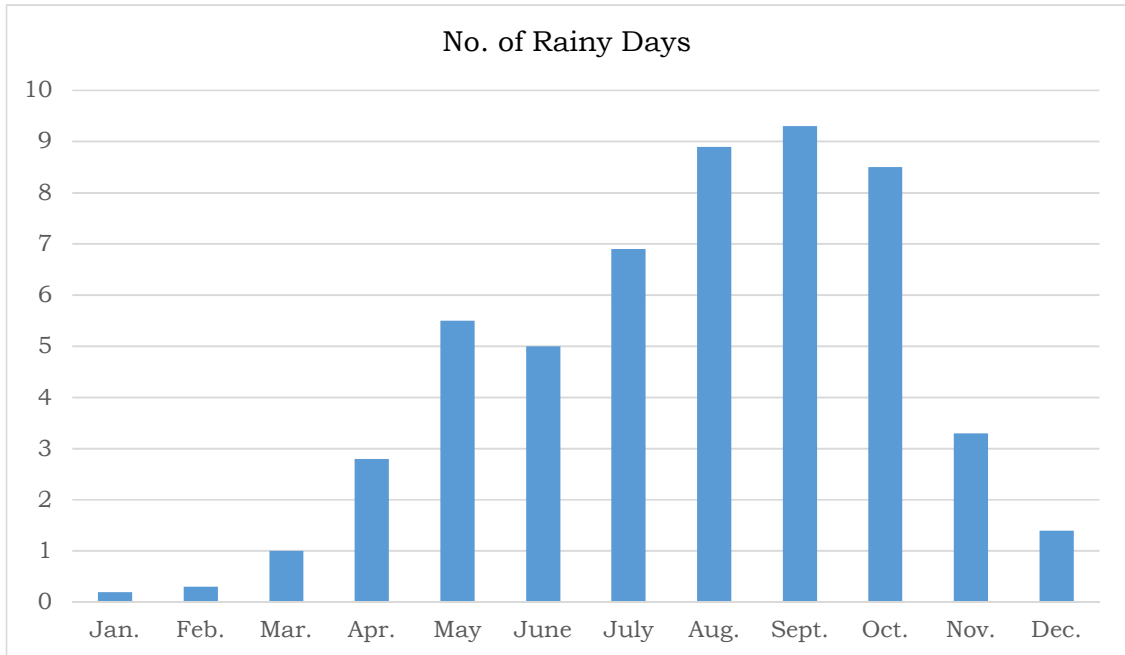
- Per capita demand as per NBC guidelines for educational institution is 45 liters per capita per day (Domestic 20 lpcd; Flushing 20 lpcd). Domestic includes water used for gardening, for lab purposes, canteens and mess. Institution uses recycled water from STP for flushing, thus reducing the load on fresh water.
- Kristu Jayanti College has a very well planned rainwater harvesting system. The potential of rainwater harvesting can be analyzed using rainfall data over 20 – 30 years period. We are considering rainfall data of 30 years to get insight on the amount of water being harvested.

The below graphs show the average amount of rainfall per month in Bangalore. The numbers are calculated over a 30-year period to provide a reliable average. Rainfall is shown in the below graph is in mm.



Graph No. 1: Month wise rainfall in mm over 30 years in Bangalore

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Graph No. 2: Number of rainy days in Bangalore moth wise

The above graph shows number of rainy days in a month. It can b observed that the rainfall is less during Jan – Apr. Rainwater availability will be low during this period. Borewell and tanker water is the source during Jan. – Apr.

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- Rainwater harvested and stored in the campus can be calculated using the following formula:

$$V = K \times I \times A$$

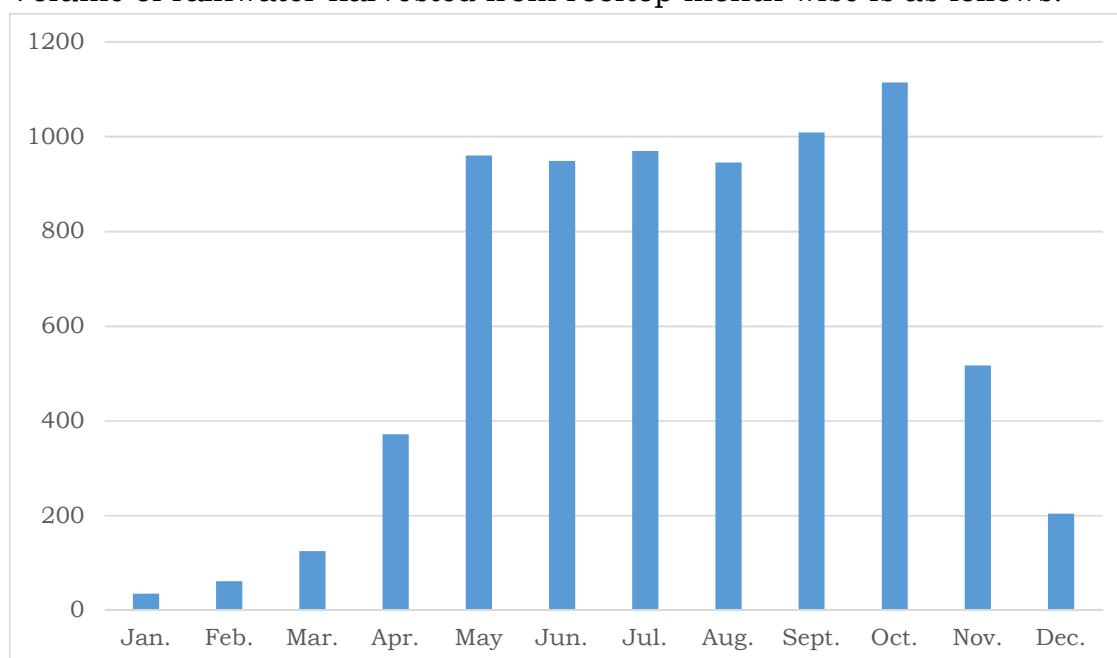
V: The volume of water that can be harvested annually in cubic meters

K: Runoff coefficient (0.9 for concrete, 0.4 for open land and lawn)

I: Annual rainfall in meters (0.978 meters for Bangalore)

A: Catchment area in square meters (Rooftop area: 7574 square meters; open ground: 5625 square meters)

Volume of rainwater harvested from rooftop month wise is as follows:



Graph No. 3: Volume of rainwater harvested from rooftop in m³

Total volume (approx.) of rainwater harvested from rooftop is 6,538.482 KL. Institution has made a separate provision for storing rainwater in underground tanks of 4900 KL capacity.

Rain water precipitating on open ground is collected in a separate tank near the ground. Volume of rainwater collected from open space is 2,143.8 KL.

Borewell water is used during no rains and tanker water is supplied to the campus in summers.

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Water usage

Quantity of water pumped every day is 150 KL per day.

Liters per capita per day = total water used per day/number of users

Liters per capita per day = 1,50,000 / 13271 = 11.3

This accounts for 11.3 liters per capita per day, which is appreciable as it is less than 45 liters per capita per day (as per NCB guidelines).

Kristu Jayathi College makes use of rainwater and recycled water the most. This helps in saving approx. of Rs. 5,68,847.00 (Assuming Rs. 87 per KL as per BWSSP). This accounts for Rs. 42 saved per student by harvesting rainwater.

Institution has 2 STP (Sewage Treatment Plants) 90 KLD and 130 KLD capacity. Treated sewage is used for flushing and gardening, thus reducing load on fresh water. Details of STP is in waste management section.

Drip Irrigation and Sprinklers have been installed for gardening (Treated sewage) saving up to 15% of fresh water.

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Table No. 4: Information regarding source of water and its usage points

Sl. No.	Parameter	Response
1.	Source of water for campus	Borewell Rainwater
2.	No. of open Wells/Borewells	Borewell-2 Nos
3.	Capacity of underground water tank	1 Lakh Litres
4.	Number of water tanks (Overhead tank)	6 Nos
5.	Capacity of water tank (Overhead tank)	1 Lakh Litres each
6.	Quantity of water pumped every day	1.5 Lakh Litres
7.	Waste water sources	From washrooms, Labs, RO expelled water
8.	Use of waste water	Recycled and used for gardening and flushes
9.	No. of drinking water filters/water coolers	RO Units-6 Nos Water coolers-6 Nos
10.	Rain water harvest available?	Yes
11.	No. of units and amount of Rain water harvested	Total Rain Water Harvest Capacity- 4900 KL Rain Water Harvest Tank in Main Block with a storage capacity of 2509 KL and 2400 KL in Administrative block

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12.	Any water saving techniques followed?	<p>Harvested rainwater is used to supply water in all taps and washrooms and contributes to 12-15% of total water usage</p> <p>Sensor Based Taps, Soap Dispenser, Flushers and Aerators in Taps</p> <p>Borewell recharge pits and construction of tanks and bunds during rainy season recharge ground water thus conserving water</p> <p>Drip Irrigation and usage of Sprinklers with recycled water for gardening saves 10-15 % on water expenses</p>
13.	Are there any signs/posters reminding peoples to turn off the water?	Yes
14.	Drinking water testing done? (if yes, kindly attach the report)	Yes

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Environmentally conscious practices being implemented. Stainless steel tanks are used in alternative to plastic containers, promoting sustainability and hygiene.



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Overhead tanks



Overhead tanks

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Rainwater storage tank

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Rainwater storage tank



Rainwater Harvest Filtration

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Fire extinguisher have been placed at every floor



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Waste Management:

Anthropogenic activities generate waste, and it is the way these wastes are managed and disposed of, which can cause risks to the nature and to health. Waste generated causes pollution which is unpleasing and results in large amounts of litter which in turn cause environmental problems. Solid waste is generally classified into three categories: bio-degradable, non-biodegradable and hazardous waste.

Bio-degradable wastes include food wastes, canteen waste, wastes from toilets, etc. Non-biodegradable wastes include what is usually thrown away in homes and schools such as plastic, tins and glass bottles, etc.,

Hazardous waste is waste that is likely to be a threat to health or the environment like chemicals from research labs, batteries, etc.,

Improper handling of these wastes such as dumping in pits or burning them, may cause harmful discharge of contaminants into soil and water supplies. Special attention should be given to the handling and management of such waste generated in the institutions.

Observations:

In this campus, the waste generated is managed as mentioned below:

Bio-degradable Waste:

- Bio-degradable waste (sewage) from toilets is connected to Sewage Treatment Plant.
- Dry leaves and other waste is sent to vermin compost bins.
- Paper is sent to recycling (Reuse for promotional programmes, Recycle paper waste with Kaza enterprises).

Non-Bio-degradable Waste:

- The campus is a 'single use plastic free zone'. Plastics (if any) generated by the campus is collected by the waste collection vehicle.
- Educational posters related to water conservation, waste minimization, waste segregation have been put in the campus to create awareness.

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Green & Environment Audit Report

- E-waste collection drives and awareness programs regarding the same is done in the campus regularly. E-Waste collected during the collection drives is sent to recycler. E-Waste (670 KGS) generated was picked by Exigo Recycling Pvt. Ltd. On 31.05.2024.

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Dustbins placed in every floor



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Segregated Color coded (dry, wet and plastic) waste bins placed at Different Locations.



Dry, wet and other waste dustbins placed for waste segregation

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Sensor based taps have been installed to reduce water usage



Awareness posters
have been placed in
the canteens

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Sanitary pad disposal

Sanitary pad vending machines have been placed in ladies room. Pad incinerator is placed in the campus for incineration and disposal.



Sanitary pad dispenser and disposal mechanism has been placed



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Green & Environment Audit Report



Awareness posters related to Green Protocol have been placed in the campus

Vermicomposting

Vermicomposting is a method of composting that uses various species of worms, typically red wigglers, white worms, and earthworms, to decompose organic waste into nutrient-rich compost. This process is highly efficient and produces high-quality compost that can be used to enrich soil in gardens, farms, and landscaping projects.

Organic waste generated in the institution, garden waste, dry leaves and canteen waste is fed into these pits. Earth worms convert these organic waste into compost. Vermicompost is used in the campus for plants in the campus.

Biogas plant

Biogas plant has been installed in the campus. Waste generated from hostel mess, canteens are used for biogas generation. Generated biogas is used as fuel for cooking in hostels and guest rooms.



Observations:

The biogas plant was under maintenance during our visit.

Recommendation:

Regular maintenance and operation of the biogas plant is to be carried out.

Sewage Treatment Plant

Waste water from bathrooms, urinals, toilets, kitchen generally termed as sewage can be treated and be reused. Treated sewage can be used for gardening, flushing and so on. This helps in minimizing the use of fresh water for flushing and gardening.

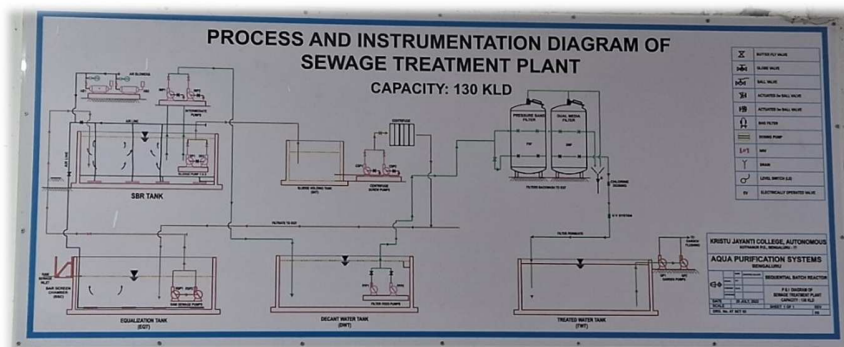
Observations:

Sewage treatment plants has been installed in the camps. The STP treats the waste water generated in the campus. Treated wastewater is used for gardening within the campus. The sewage treatment plant has been installed by Aqua Purification Systems, Bangalore.

Table No. 5: Information on source and fate of wastewater

Sl. No.	Details	Remarks
1	Wastewater Source	Toilets, canteen, labs etc.
2	Use of waste water	STP
3	Fate of waste water from labs	STP
4	Weather waste water from labs is mixed with other wastewater sources	NA
5	Any treatment for lab waste?	STP
6	Disposal of wastewater	STP
7	Use of treated wastewater from STP/septic tank	For gardening

A sewage treatment plant of 90 KLD and 130 KLD is installed within the premises. Treated waste water from sewage treatment plant is used for gardening and flushing. Institution has a dual plumbing network, treated wastewater is pumped and stored separately and this water is used for flushing in washrooms. 45% of total water usage is from recycled water.



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Green & Environment Audit Report



Air Quality

Air quality plays a major role in day-to-day life. People spend more time indoors. Indoor air quality is the air quality within and around buildings and structures. Indoor air quality is known to affect the health, comfort, and well-being of building occupants. Poor indoor air quality has been linked to sick building syndrome, reduced productivity, and impaired learning in schools and colleges.

Observations:

Particulate matter was measured in all the classrooms, staff rooms and library. It was observed that the concentrations of PM 1, PM 2.5 and PM 10 were found to be negligible at that instant.

The readings mentioned are measured at that instant.

Table No. 6: Readings of PM1, PM 2.5, PM 10, HCOH and TVOC

Sl. No.	Room				HCOH	TVOC
		PM 1	PM 2.5	PM 10		
1.	Staffroom	12	16	20	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
2.	M501	11	18	24		
3.	M502	8	16	24		
4.	M503	8	18	19		
5.	M504	9	15	25		
6.	M505	11	16	19		
7.	M506	10	17	24		
8.	Staffroom	9	13	21		
9.	M508	11	12	19		

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Green & Environment Audit Report

10.	M509	12	14	19	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
11.	M510	9	18	24		
12.	M511	8	12	23		
13.	Laboratory	9	18	23		
14.	Laboratory	8	12	20		
15.	Laboratory	9	16	24		
16.	Staffroom	9	12	21		
17.	M415	8	12	19		
18.	M414	10	17	25		
19.	Staffroom	12	15	21		
20.	M413	9	14	23		
21.	M412	11	14	20		
22.	M411	12	13	19		
23.	M410	10	17	20		
24.	M409	10	12	24		
25.	M408	10	16	21		
26.	M407	9	12	19		
27.	M406	10	16	21		
28.	M405	9	12	24		
29.	M404	10	18	19		

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30.	M403	8	15	23	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
31.	M402	8	13	20		
32.	M401	9	15	23		
33.	M420	11	14	25		
34.	M419	8	12	19		
35.	M418	8	18	19		
36.	M417	11	17	22		
37.	Laboratory	11	15	20		
38.	Laboratory	10	12	25		
39.	Research Unit	11	15	25		
40.	Laboratory	11	12	23		
41.	Laboratory	8	13	25		
42.	Laboratory	10	15	22		
43.	Laboratory	12	13	20		
44.	Laboratory	8	14	24		
45.	M307	10	14	25		
46.	M306	11	14	25		
47.	M305	10	17	22		
48.	M304	9	15	21		
49.	M303	12	18	20		

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50.	M302	10	17	19	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
51.	Staffroom	12	15	20		
52.	NCC Office	11	12	20		
53.	M313	9	14	19		
54.	M312	11	16	19		
55.	M311	10	15	23		
56.	Laboratory	8	17	24		
57.	Laboratory	9	14	25		
58.	Creative design room	11	15	22		
59.	Auditorium	9	13	19		
60.	M208	8	13	21		
61.	Laboratory	12	12	19		
62.	Laboratory	8	13	21		
63.	Laboratory	12	12	19		
64.	M207	10	15	22		
65.	M206	12	15	23		
66.	M205	12	14	20		
67.	M204	9	13	21		
68.	M203	9	15	25		
69.	M202	11	17	20		

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70.	M201	10	17	22	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
71.	Staffroom	9	18	25		
72.	Staffroom	11	16	23		
73.	Staffroom	12	17	21		
74.	Laboratory	11	13	20		
75.	M210	8	14	20		
76.	Laboratory	8	13	22		
77.	Auditorium	12	17	20		
78.	M107	8	13	20		
79.	M105	8	18	24		
80.	M104	8	16	19		
81.	M103	11	14	22		
82.	M102	9	12	20		
83.	M101	8	16	19		
84.	NSS	8	14	20		
85.	CSA	11	15	24		
86.	Staffroom	12	16	19		
87.	Staffroom	11	17	24		
88.	Staffroom	9	17	25		
89.	Health center	12	17	24		

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

90.	Laboratory	12	14	22	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
91.	Laboratory	10	14	19		
92.	Laboratory	12	13	24		
93.	Dean office	8	13	25		
94.	Library	11	15	22		
95.	Reading room	8	13	24		
96.	M006	12	16	24		
97.	M005	10	16	25		
98.	M004	8	13	21		
99.	Staffroom	12	18	24		
100.	Staffroom	11	15	20		
101.	Staffroom	11	18	22		
102.	Electrical Panel Room	9	18	25		
103.	Board room	12	18	19		
104.	Conference room	8	12	19		
105.	Staffroom	11	13	25		
106.	Staffroom	10	15	25		
107.	Gym	11	16	19		
108.	Yoga room	11	16	23		
109.	501	12	17	19		

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Green & Environment Audit Report

110.	Auditorium	12	15	21	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
111.	301	10	17	25		
112.	302	12	13	19		
113.	303	12	15	19		
114.	304	11	15	25		
115.	305	9	17	22		
116.	Staffroom	9	12	24		
117.	Media room	10	17	21		
118.	P1	11	16	22		
119.	P2	9	15	25		
120.	306	11	15	20		
121.	307	8	12	19		
122.	201	8	12	20		
123.	202	12	18	24		
124.	203	10	17	22		
125.	204	11	16	25		
126.	205	12	15	21		
127.	206	11	14	25		
128.	207	11	14	22		
129.	101	10	14	19		

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Green & Environment Audit Report

130.	102	12	18	21	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
131.	103	9	13	20		
132.	104	9	17	22		
133.	105	11	13	25		
134.	106	9	18	24		
135.	107	11	14	24		
136.	Auditorium	12	12	22		
137.	Conference room	12	14	25		
138.	IQAC room	8	13	24		
139.	Staffroom	9	13	25		
140.	Panel room	11	17	19		
141.	Library	12	14	21		
142.	Panel room	11	16	19		
143.	Canteen	11	14	25		
144.	Library	12	12	23		
145.	Training hall	11	13	22		
146.	A602	11	18	20		
147.	A601	8	18	20		
148.	A603	8	14	19		
149.	A604	9	16	19		

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Green & Environment Audit Report

150.	A605	9	12	25	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
151.	A606	12	16	22		
152.	A607	8	12	25		
153.	A608	9	16	25		
154.	A609	8	13	22		
155.	A610	9	14	24		
156.	Moot Court	9	12	24		
157.	Conference room	8	14	22		
158.	Staffroom	12	17	20		
159.	B501	9	16	19		
160.	B502	10	17	19		
161.	B503	9	13	21		
162.	B504	9	16	22		
163.	B505	10	16	23		
164.	B506	9	15	21		
165.	B507	12	14	23		
166.	B508	9	12	24		
167.	B509	9	14	19		
168.	B510	10	13	24		
169.	Principal (Law)	9	12	24		

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Green & Environment Audit Report

170.	Law College Office	12	16	21	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
171.	Auditorium	8	15	20		
172.	Laboratory	8	14	21		
173.	Student Counseling's room	9	17	23		
174.	Boys common room	8	17	25		
175.	B401	8	13	21		
176.	B402	9	16	20		
177.	B403	9	15	24		
178.	B404	12	15	22		
179.	B405	8	14	23		
180.	B406	10	17	23		
181.	B407	12	13	24		
182.	B408	8	15	25		
183.	B409	8	18	24		
184.	B410	8	17	20		
185.	Staffroom	8	15	24		
186.	A401	12	13	25		
187.	A402	9	15	22		
188.	A403	12	14	24		
189.	A404	8	17	19		

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Green & Environment Audit Report

190.	A405	8	16	22	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
191.	A406	12	16	19		
192.	A407	11	12	24		
193.	A408	12	18	20		
194.	A409	8	12	23		
195.	A410	11	16	20		
196.	H701	12	18	24		
197.	H702	10	16	21		
198.	H703	9	12	24		
199.	H704	9	13	19		
200.	H705	12	13	22		
201.	H601	10	13	21		
202.	H602	12	14	20		
203.	H603	9	15	19		
204.	H604	8	14	19		
205.	H605	11	12	23		
206.	H606	9	15	23		
207.	H607	11	18	25		
208.	H608	8	18	25		
209.	H609	11	14	21		

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

210.	H610	12	16	20	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
211.	H611	9	12	25		
212.	H612	8	15	24		
213.	H613	9	16	24		
214.	H614	12	13	24		
215.	H615	8	14	25		
216.	Staffroom	9	12	25		
217.	H501	8	15	20		
218.	H502	10	16	23		
219.	H503	12	16	21		
220.	H504	12	14	19		
221.	H505	11	18	19		
222.	H506	9	14	25		
223.	H507	8	15	21		
224.	H508	11	14	20		
225.	H509	10	12	19		
226.	H510	10	16	20		
227.	H511	8	13	20		
228.	H512	11	17	20		
229.	H513	10	13	25		

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

230.	H514	12	17	19	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
231.	H515	11	17	22		
232.	H401	10	17	20		
233.	H402	9	18	25		
234.	H403	12	13	23		
235.	H404	11	15	23		
236.	H405	12	12	20		
237.	H406	12	16	20		
238.	H407	10	14	25		
239.	H408	10	15	22		
240.	H409	10	18	23		
241.	H410	9	14	21		
242.	H301	8	17	23		
243.	H302	12	12	21		
244.	H303	12	18	25		
245.	H304	10	15	23		
246.	H305	8	18	22		
247.	H306	10	13	23		
248.	H307	8	13	23		
249.	H308	8	14	25		

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

250.	H309	9	13	20	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
251.	H310	9	13	24		
252.	H311	11	18	21		
253.	Staffroom	12	15	25		
254.	Laboratory	10	17	21		
255.	Staffroom	10	18	25		
256.	H201	8	16	20		
257.	H202	9	15	22		
258.	H203	10	17	24		
259.	H204	12	13	23		
260.	H205	11	18	24		
261.	H206	8	18	20		
262.	H207	12	15	24		
263.	H208	9	18	23		
264.	H209	11	17	21		
265.	H210	10	12	23		
266.	H211	8	12	23		
267.	H101	9	16	23		
268.	H102	11	18	21		
269.	H103	10	18	23		

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

270.	H104	9	15	22	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
271.	H105	11	16	21		
272.	H106	9	14	25		
273.	H107	12	16	23		
274.	H108	9	15	21		
275.	H109	8	15	23		
276.	H110	11	13	21		
277.	Staffroom	12	17	25		
278.	Laboratory	8	16	20		

Light

The main part of the learning process is visual. The classroom is an arena for many activities, such as reading and writing, student or teacher presentations, tests, etc., hence, light plays a major role in classrooms. Well-lit classrooms are utmost essential in colleges. Working desks of the students require a minimum of light of 200 lux. Further, there may be certain zones that require specialized lighting. As per IS 3616, average lighting level of 200 to 300 lux should be maintained at teaching spaces, offices and meeting rooms. For example, the area in front of the board should have proper and separately switched presentation lighting.

Observations:

It was observed that all the classrooms are well lit. The light intensity was observed to be ranging from 250 lux to 350 lux.

Day light (Natural light) is the main source in the classrooms, staffrooms, and library and so on. Infrastructure is very well planned to harness maximum natural light in all the places.

LED bulbs have been used extensively in the campus. Migration to LED tube lights and bulbs has been done in order to save electrical energy.

The readings mentioned are measured at that instant.

Table No. 7: Readings of Light intensity in lux

Sl. No.	Room	Light intensity in lux
1.	Staffroom	265
2.	M501	334
3.	M502	276
4.	M503	290
5.	M504	319

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

6.	M505	277
7.	M506	263
8.	Staffroom	252
9.	M508	261
10.	M509	260
11.	M510	285
12.	M511	333
13.	Laboratory	328
14.	Laboratory	318
15.	Laboratory	346
16.	Staffroom	259
17.	M415	310
18.	M414	327
19.	Staffroom	278
20.	M413	303
21.	M412	323
22.	M411	259
23.	M410	300
24.	M409	257
25.	M408	290
26.	M407	304
27.	M406	285
28.	M405	282
29.	M404	328

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

30.	M403	333
31.	M402	273
32.	M401	254
33.	M420	326
34.	M419	285
35.	M418	276
36.	M417	335
37.	Laboratory	317
38.	Laboratory	314
39.	Research Unit	317
40.	Laboratory	334
41.	Laboratory	251
42.	Laboratory	286
43.	Laboratory	258
44.	Laboratory	259
45.	M307	282
46.	M306	350
47.	M305	309
48.	M304	264
49.	M303	343
50.	M302	271
51.	Staffroom	315
52.	NCC Office	284
53.	M313	285

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

54.	M312	311
55.	M311	265
56.	Laboratory	338
57.	Laboratory	271
58.	Creative design room	321
59.	Auditorium	338
60.	M208	323
61.	Laboratory	321
62.	Laboratory	250
63.	Laboratory	312
64.	M207	316
65.	M206	265
66.	M205	333
67.	M204	268
68.	M203	280
69.	M202	297
70.	M201	308
71.	Staffroom	303
72.	Staffroom	304
73.	Staffroom	315
74.	Laboratory	327
75.	M210	303
76.	Laboratory	335
77.	Auditorium	250

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

78.	M107	288
79.	M105	250
80.	M104	350
81.	M103	264
82.	M102	341
83.	M101	316
84.	NSS	343
85.	CSA	348
86.	Staffroom	334
87.	Staffroom	287
88.	Staffroom	257
89.	Health center	299
90.	Laboratory	316
91.	Laboratory	260
92.	Laboratory	265
93.	Dean office	267
94.	Library	348
95.	Reading room	299
96.	M006	315
97.	M005	337
98.	M004	313
99.	Staffroom	258
100.	Staffroom	320
101.	Staffroom	276

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

102.	Electrical Panel Room	333
103.	Board room	282
104.	Conference room	300
105.	Staffroom	332
106.	Staffroom	274
107.	Gym	338
108.	Yoga room	337
109.	501	328
110.	Auditorium	266
111.	301	287
112.	302	302
113.	303	326
114.	304	284
115.	305	266
116.	Staffroom	334
117.	Media room	263
118.	P1	304
119.	P2	275
120.	306	331
121.	307	347
122.	201	272
123.	202	334
124.	203	286
125.	204	260

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

126.	205	280
127.	206	336
128.	207	341
129.	101	274
130.	102	262
131.	103	301
132.	104	254
133.	105	278
134.	106	294
135.	107	317
136.	Auditorium	315
137.	Conference room	287
138.	IQAC room	322
139.	Staffroom	332
140.	Panel room	282
141.	Library	263
142.	Panel room	310
143.	Canteen	316
144.	Library	308
145.	Training hall	295
146.	A602	252
147.	A601	350
148.	A603	310
149.	A604	280

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

150.	A605	305
151.	A606	304
152.	A607	325
153.	A608	339
154.	A609	332
155.	A610	331
156.	Moot Court	343
157.	Conference room	287
158.	Staffroom	341
159.	B501	286
160.	B502	332
161.	B503	269
162.	B504	257
163.	B505	330
164.	B506	297
165.	B507	347
166.	B508	274
167.	B509	278
168.	B510	263
169.	Principal (Law)	262
170.	Law College Office	320
171.	Auditorium	331
172.	Laboratory	266
173.	Student Counseling's room	335

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

174.	Boys common room	347
175.	B401	271
176.	B402	266
177.	B403	258
178.	B404	293
179.	B405	349
180.	B406	315
181.	B407	298
182.	B408	349
183.	B409	315
184.	B410	329
185.	Staffroom	307
186.	A401	260
187.	A402	281
188.	A403	281
189.	A404	287
190.	A405	309
191.	A406	330
192.	A407	282
193.	A408	326
194.	A409	336
195.	A410	310
196.	H701	252
197.	H702	342

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

198.	H703	323
199.	H704	289
200.	H705	284
201.	H601	333
202.	H602	283
203.	H603	254
204.	H604	264
205.	H605	326
206.	H606	289
207.	H607	324
208.	H608	323
209.	H609	257
210.	H610	333
211.	H611	254
212.	H612	288
213.	H613	286
214.	H614	340
215.	H615	315
216.	Staffroom	334
217.	H501	270
218.	H502	343
219.	H503	296
220.	H504	344
221.	H505	265

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

222.	H506	291
223.	H507	260
224.	H508	270
225.	H509	322
226.	H510	316
227.	H511	320
228.	H512	250
229.	H513	311
230.	H514	258
231.	H515	285
232.	H401	279
233.	H402	286
234.	H403	250
235.	H404	291
236.	H405	253
237.	H406	279
238.	H407	286
239.	H408	264
240.	H409	302
241.	H410	306
242.	H301	254
243.	H302	319
244.	H303	339
245.	H304	255

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

246.	H305	297
247.	H306	258
248.	H307	334
249.	H308	294
250.	H309	336
251.	H310	283
252.	H311	336
253.	Staffroom	296
254.	Laboratory	259
255.	Staffroom	326
256.	H201	292
257.	H202	264
258.	H203	304
259.	H204	262
260.	H205	337
261.	H206	277
262.	H207	307
263.	H208	338
264.	H209	271
265.	H210	293
266.	H211	316
267.	H101	289
268.	H102	338
269.	H103	338

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

270.	H104	314
271.	H105	302
272.	H106	318
273.	H107	319
274.	H108	316
275.	H109	317
276.	H110	328
277.	Staffroom	350
278.	Laboratory	301

Noise

Noise is unwanted sound considered unpleasant, loud or disruptive to hearing. Unwanted sound is not preferred in any classroom. The Noise levels in the classroom should be below 35 dB in an unoccupied classroom. Higher levels of noise in the classroom may distract the students.

Observations:

Noise levels were measured in the classrooms and were found to be in the range of 30dB to 68dB in an unoccupied classrooms and classrooms with students. The readings mentioned are measured at that instant.

Table No. 8: Readings of Noise levels in decibel

Sl. No.	Room	Noise in decibel	
		Minimum	Maximum
1.	Staffroom	46	65
2.	M501	38	64
3.	M502	44	61
4.	M503	41	66
5.	M504	50	58
6.	M505	46	65
7.	M506	34	55
8.	Staffroom	39	57
9.	M508	48	57
10.	M509	44	61
11.	M510	49	59
12.	M511	49	68

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

13.	Laboratory	44	55
14.	Laboratory	45	62
15.	Laboratory	39	57
16.	Staffroom	32	55
17.	M415	33	66
18.	M414	50	68
19.	Staffroom	34	65
20.	M413	37	65
21.	M412	39	56
22.	M411	40	56
23.	M410	37	57
24.	M409	47	67
25.	M408	50	55
26.	M407	30	64
27.	M406	43	65
28.	M405	35	61
29.	M404	38	62
30.	M403	43	58
31.	M402	34	64
32.	M401	41	56
33.	M420	33	59
34.	M419	42	59
35.	M418	31	62
36.	M417	42	61

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

37.	Laboratory	50	68
38.	Laboratory	50	57
39.	Research Unit	30	60
40.	Laboratory	34	56
41.	Laboratory	31	63
42.	Laboratory	46	68
43.	Laboratory	48	58
44.	Laboratory	40	63
45.	M307	46	58
46.	M306	45	68
47.	M305	41	61
48.	M304	48	59
49.	M303	44	68
50.	M302	39	57
51.	Staffroom	43	62
52.	NCC Office	43	63
53.	M313	30	57
54.	M312	42	55
55.	M311	33	64
56.	Laboratory	43	62
57.	Laboratory	42	68
58.	Creative design room	42	56
59.	Auditorium	37	68
60.	M208	35	67

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

61.	Laboratory	35	66
62.	Laboratory	44	55
63.	Laboratory	39	62
64.	M207	38	58
65.	M206	36	68
66.	M205	41	66
67.	M204	35	59
68.	M203	39	67
69.	M202	39	56
70.	M201	32	61
71.	Staffroom	33	66
72.	Staffroom	45	65
73.	Staffroom	50	63
74.	Laboratory	48	64
75.	M210	39	57
76.	Laboratory	49	59
77.	Auditorium	36	60
78.	M107	50	57
79.	M105	40	67
80.	M104	31	59
81.	M103	38	67
82.	M102	45	62
83.	M101	33	64
84.	NSS	43	62

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

85.	CSA	41	60
86.	Staffroom	34	63
87.	Staffroom	38	59
88.	Staffroom	38	63
89.	Health center	49	58
90.	Laboratory	50	60
91.	Laboratory	38	65
92.	Laboratory	48	65
93.	Dean office	37	55
94.	Library	43	65
95.	Reading room	35	68
96.	M006	39	66
97.	M005	46	60
98.	M004	44	63
99.	Staffroom	31	66
100.	Staffroom	46	59
101.	Staffroom	34	57
102.	Electrical Panel Room	50	59
103.	Board room	41	59
104.	Conference room	43	63
105.	Staffroom	39	60
106.	Staffroom	33	60
107.	Gym	34	63
108.	Yoga room	48	62

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

109.	501	45	60
110.	Auditorium	37	61
111.	301	45	61
112.	302	39	65
113.	303	30	57
114.	304	39	58
115.	305	39	56
116.	Staffroom	49	55
117.	Media room	36	59
118.	P1	42	66
119.	P2	37	67
120.	306	44	60
121.	307	39	62
122.	201	46	56
123.	202	38	60
124.	203	46	59
125.	204	48	59
126.	205	34	68
127.	206	50	57
128.	207	43	60
129.	101	42	56
130.	102	40	55
131.	103	32	56
132.	104	35	62

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

133.	105	49	64
134.	106	50	64
135.	107	49	62
136.	Auditorium	40	58
137.	Conference room	38	55
138.	IQAC room	40	55
139.	Staffroom	49	61
140.	Panel room	43	65
141.	Library	48	60
142.	Panel room	34	65
143.	Canteen	33	56
144.	Library	37	66
145.	Training hall	42	67
146.	A602	45	68
147.	A601	39	61
148.	A603	39	55
149.	A604	34	65
150.	A605	46	66
151.	A606	44	59
152.	A607	32	64
153.	A608	43	60
154.	A609	36	55
155.	A610	44	58
156.	Moot Court	41	66

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

157.	Conference room	30	56
158.	Staffroom	33	66
159.	B501	49	62
160.	B502	48	65
161.	B503	38	59
162.	B504	49	68
163.	B505	42	62
164.	B506	33	58
165.	B507	44	60
166.	B508	50	68
167.	B509	43	55
168.	B510	47	59
169.	Principal (Law)	41	63
170.	Law College Office	39	55
171.	Auditorium	38	56
172.	Laboratory	34	60
173.	Student Counseling's room	30	64
174.	Boys common room	37	66
175.	B401	38	67
176.	B402	40	66
177.	B403	36	64
178.	B404	45	55
179.	B405	31	57
180.	B406	36	65

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

181.	B407	47	68
182.	B408	50	59
183.	B409	31	60
184.	B410	49	58
185.	Staffroom	30	67
186.	A401	44	55
187.	A402	40	63
188.	A403	50	61
189.	A404	30	65
190.	A405	31	67
191.	A406	43	68
192.	A407	44	58
193.	A408	46	60
194.	A409	34	58
195.	A410	33	68
196.	H701	50	55
197.	H702	35	63
198.	H703	47	63
199.	H704	43	61
200.	H705	30	62
201.	H601	31	59
202.	H602	43	62
203.	H603	32	56
204.	H604	44	55

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

205.	H605	38	59
206.	H606	43	64
207.	H607	49	58
208.	H608	33	56
209.	H609	30	57
210.	H610	33	59
211.	H611	49	68
212.	H612	45	57
213.	H613	38	57
214.	H614	42	58
215.	H615	43	68
216.	Staffroom	38	57
217.	H501	32	59
218.	H502	44	55
219.	H503	33	60
220.	H504	42	64
221.	H505	35	62
222.	H506	32	68
223.	H507	37	63
224.	H508	35	60
225.	H509	34	67
226.	H510	44	68
227.	H511	35	67
228.	H512	41	66

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

229.	H513	30	60
230.	H514	37	68
231.	H515	33	62
232.	H401	36	56
233.	H402	45	67
234.	H403	30	60
235.	H404	49	58
236.	H405	45	65
237.	H406	38	59
238.	H407	30	55
239.	H408	36	68
240.	H409	40	59
241.	H410	46	66
242.	H301	44	59
243.	H302	36	62
244.	H303	31	56
245.	H304	33	67
246.	H305	39	59
247.	H306	31	59
248.	H307	46	57
249.	H308	38	63
250.	H309	42	64
251.	H310	30	57
252.	H311	33	62

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

253.	Staffroom	32	59
254.	Laboratory	47	66
255.	Staffroom	44	62
256.	H201	43	64
257.	H202	30	66
258.	H203	30	64
259.	H204	42	56
260.	H205	49	56
261.	H206	43	55
262.	H207	49	55
263.	H208	37	60
264.	H209	39	60
265.	H210	32	68
266.	H211	47	60
267.	H101	36	59
268.	H102	45	59
269.	H103	42	58
270.	H104	35	60
271.	H105	39	60
272.	H106	44	64
273.	H107	34	59
274.	H108	33	57
275.	H109	37	60
276.	H110	49	64

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report

277.	Staffroom	48	58
278.	Laboratory	36	66

Electro Magnetic Radiations

Electromagnetic radiation (EMR) consists of waves of the electromagnetic (EM) field, propagating through space, carrying electromagnetic radiant energy. EMR is generated by electronic devices and constant exposure to EM radiations is not advisable.

Observations:

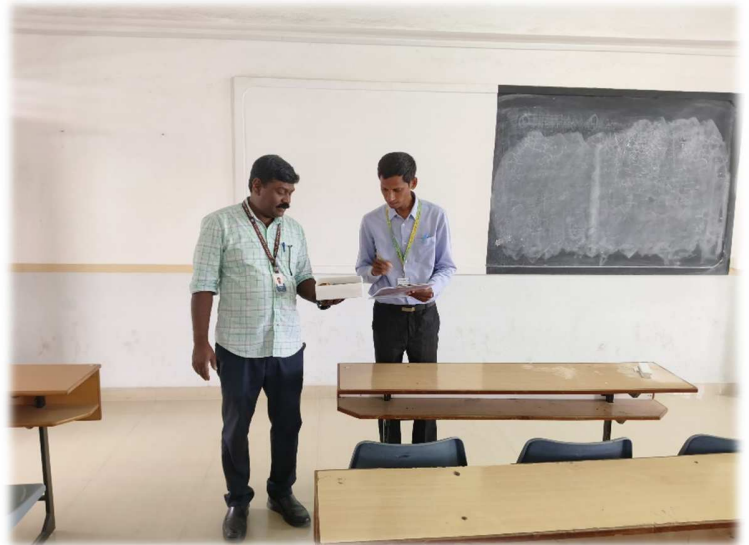
Electromagnetic radiations were measured in all the classrooms, staff rooms, and library. It was observed that the Electromagnetic radiations were zero in all these places.

H-Field and E-Field were found in server room however the room is isolated and is always closed.

Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report



Measurement of PM 1, PM 2.5, PM 10, Light intensity, Noise, EMR, HCOH, TVOC



Kristu Jayanti College Autonomous, Bengaluru
Green & Environment Audit Report



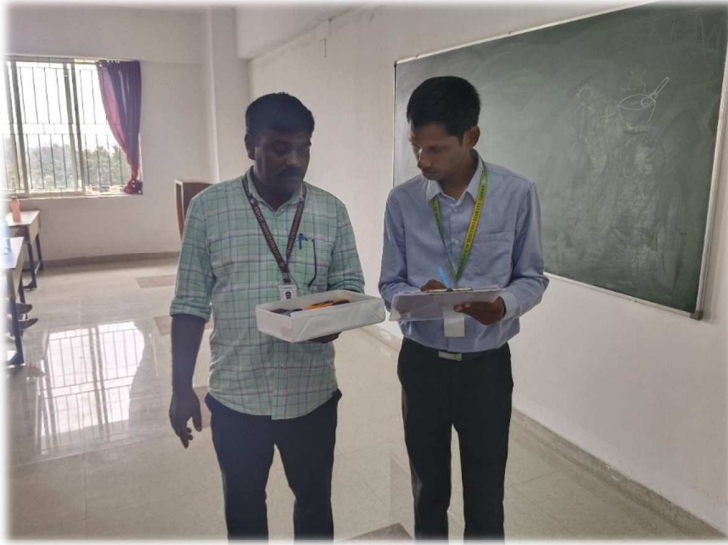
Measurement of PM 1, PM 2.5, PM 10,
Light intensity, Noise, EMR, HCOH,
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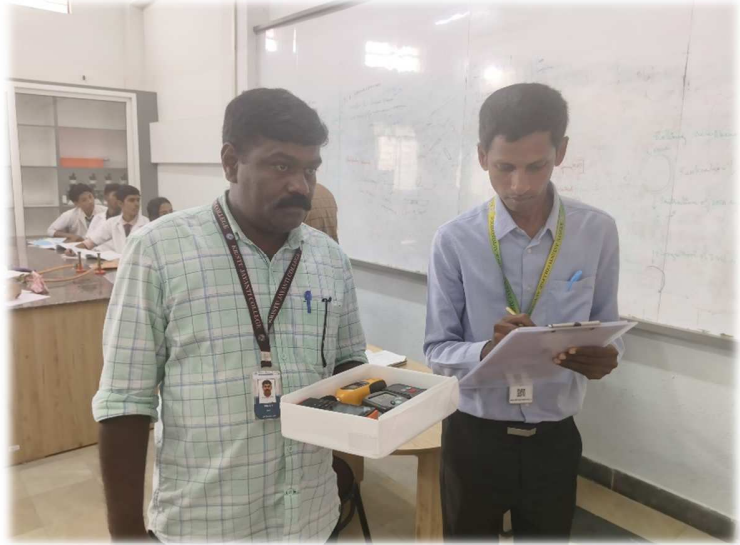
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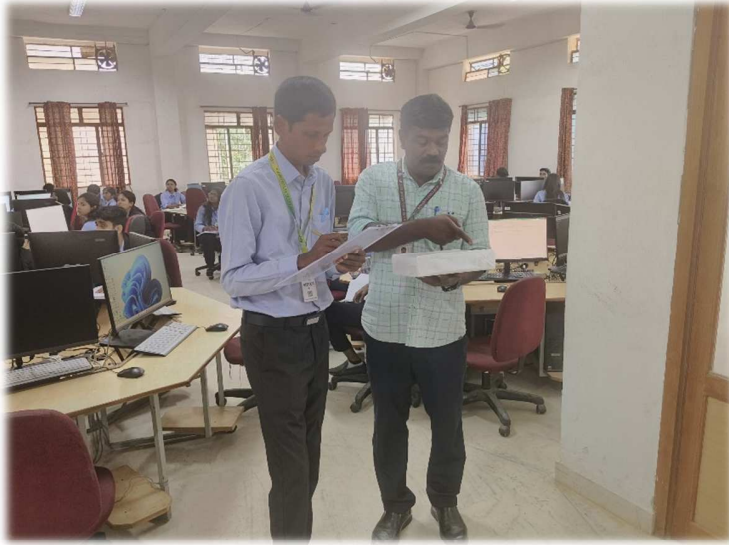
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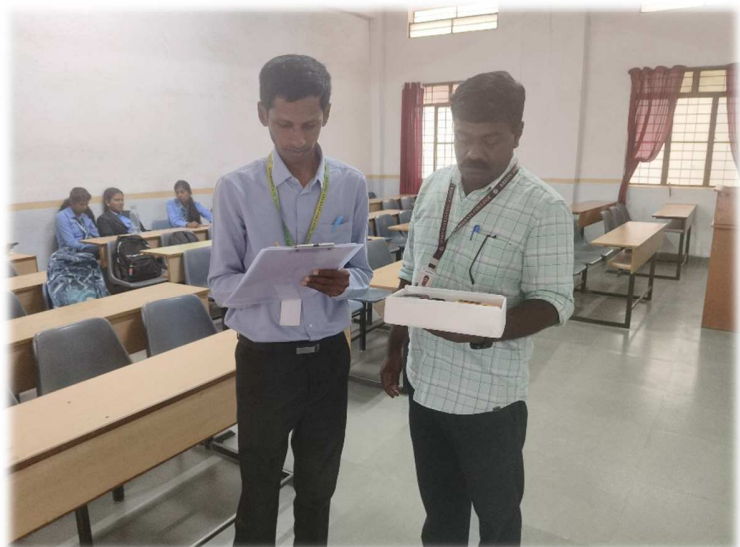


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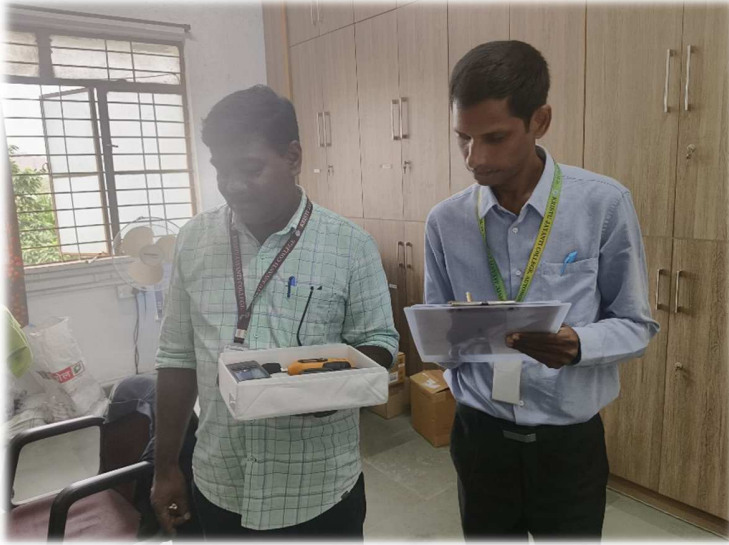


Measurement of PM 1, PM 2.5, PM
10, Light intensity, Noise, EMR,
HCOH, TVOC



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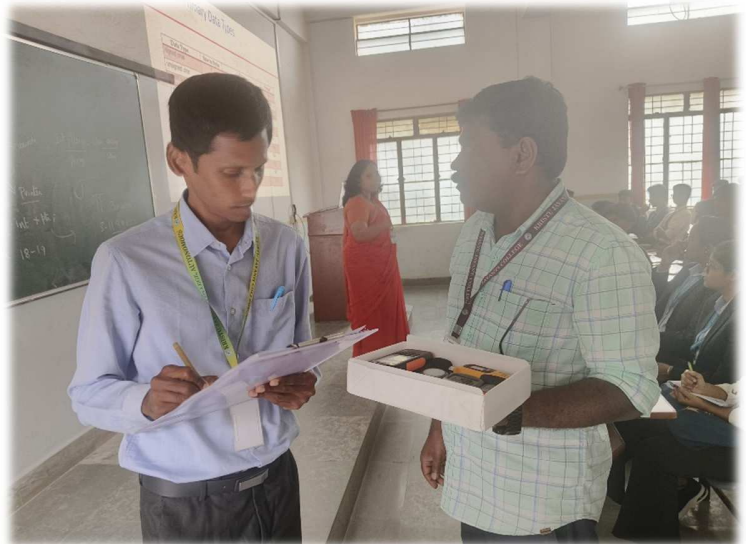


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A handwritten signature in blue ink, appearing to read "N. Srinivasam".

NISARGA ECO CONSULTANTS
Srinivasam, Plot No. 97,
Malini Nagar, Kanbargi Road,
Belagavi-590016

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Eco-club/Green club Team

Table No. 9: Members of the Eco-club/Green club Team

Sl. No.	Name	Designation
1.	Rev. Fr. Dr. Augustine George	Principal (President of Eco-club/green club Team)
2.	Dr. Priya Jossan Akkara	Staff
3.	Dr. Indira M.N.	Staff
4.	Dr. Sivagamasundari	Staff
5.	Dr. Jagadisha	Staff
6.	Ms. Rishika Bhattacharya	Student Coordinator
7.	Mr. Tarun Kumar M.	Student Representative
8.	Ms. Nandhana	Student Representative
9.	Ms. Hamsa	Student Representative
10.	Ms. Joshnavi	Student Representative

Eco-Club/Green Club Activities

The Institute houses numerous Environmental Community Clubs like, Centre For Environment And Sustainability (CES), Jayantian Extension Service – National Service Scheme (NSS), Unnat Bharat Abhiyan (UBA), United Nations Academic Impact Hub For SDG (UNSDG – HUB) and Karnataka Civil Defense Corps which are ever active and celebrate Environment related activities throughout the year.

Table No. 10: List of the activities conducted by the above community clubs

S.No.	Date	Name of the activity	Organizing unit- agency- collaborating agency
1	10/08/2022	World Biofuel Day	CES, Kristu Jayanti College, Bangalore.
2	07/09/2022	International Day of Clean Air for Blue Skies	CES, Kristu Jayanti College, Bangalore.
3	16/09/2022	International Day for the Preservation of Ozone Layer	CES, Kristu Jayanti College, Bangalore.
3	18/09/2022	World Clean	CES, Kristu Jayanti College, Bangalore.
4	21/09/2022	Zero Emission Day	CES, Kristu Jayanti College, Bangalore.
5	07/09/2022	International Day of Clean Air for Blue Skies	CES, Kristu Jayanti College, Bangalore.
6	18/9/2022	Cleaning of Public Park- Waste Management	CES, Kristu Jayanti College, Bangalore.
7	20/9/2022	Visit to Biodiversity Park- Biodiversity	CES, Kristu Jayanti College, Bangalore.
8	24/9/2022	Expert talk “ One Life One Planet”-Save Trees, Save birds- Biodiversity	CES, Kristu Jayanti College, Bangalore.
9	05/10//2022	Energy Efficiency Day	CES, Kristu Jayanti College, Bangalore.
10	14/10/2022	E-Rase your E-Waste: Collection of e-waste and recycling- Waste	CES, Kristu Jayanti College, Bangalore.

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Green, Energy, & Environment Audit Report

		Management	
11	24/10/2022	International Day of Climate Action	CES, Kristu Jayanti College, Bangalore.
12	27/10/2022	Insta reels competition on Save Earth, Go Sustainable- Sustainability Day	CES, Kristu Jayanti College, Bangalore.
13	14/11/2022	Initiation of Terrace Garden	CES, Kristu Jayanti College, Bangalore.
14	22/11/2022	Expert talk on Terrace Gardening- “My Gardening experiences and the joys of growing your own veggies”.	CES, Kristu Jayanti College, Bangalore.
15	28/11/2022	Launch of Cocopeat Production “Wealth from Waste”	CES, Kristu Jayanti College, Bangalore.
16	11/1/2023	“Home and Food for Birds” in commemoration of National Bird Day	CES, Kristu Jayanti College, Bangalore.

17	30/1/2023	Training session on “Backyard Birding”	CES, Kristu Jayanti College, Bangalore.
18	21/2/2023	Orientation on Campus Bird Count	CES, Kristu Jayanti College, Bangalore.
19	3/3/2023 – 22/3/2023	Awareness on Commemorative Days	CES, Kristu Jayanti College, Bangalore.
20	8/3/2023	Seminar on “Our Tigers Return”	CES, Kristu Jayanti College, Bangalore.
21	03/03/2023	World Wildlife Day	CES, Kristu Jayanti College, Bangalore.
22	18/03/2023	Global Recycling Day	CES, Kristu Jayanti College, Bangalore.
23	21/03/2023	World Forestry Day	CES, Kristu Jayanti College, Bangalore.
24	21/03/2023	World Water Day	CES, Kristu Jayanti College, Bangalore.
25	12/09/2023	‘Swachhata Pakhwada’ Awareness campaign on ‘Health, Hygiene and Environment’	CES, Kristu Jayanti College, Bangalore.

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Green, Energy, & Environment Audit Report

26	09/02/2024	Special radio program on 'Nature's talk'	CES, Kristu Jayanti College, Bangalore.
27	03/08/2023	Special Lecture on Climate Change and Energy Transition	CES, Kristu Jayanti College, Bangalore.
28	05/03/2024	Expert Lecture on Wildlife Photography	CES, Kristu Jayanti College, Bangalore.
29	13/03/2024	Expert lecture on Shaping the future: Sustainability and changing paradigms of Conservation	CES, Kristu Jayanti College, Bangalore.
30	13/01/2024	Nature Walk 'Recalling Nature'	CES, Kristu Jayanti College, Bangalore.
32	03/11/2023 to 6/11/2023	Green Brigade Activity– Sustainability check of Resources	CES, Kristu Jayanti College, Bangalore.
33	04/10//2023	Street Play on 'Energy Efficiency Awareness	CES, Kristu Jayanti College, Bangalore.
34	07/11/2023	Skit on Sustainability: Today and Tomorrow	CES, Kristu Jayanti College, Bangalore.
35	08/11/2023	Screening of documentary film on climate Action	CES, Kristu Jayanti College, Bangalore

36	14/10/2023	E waste Collection week 'International E Waste Day'	CES, Kristu Jayanti College, Bangalore.
37	26/03/2024	Mime on 'Save Water and Save Future Life on Earth'	CES, Kristu Jayanti College, Bangalore.
38	05/06/2024	Video release on Reuse of Plastics	CES, Kristu Jayanti College, Bangalore.
39	6/11//2023	Essay writing competition to commemorate 'International Day for preventing the exploitation of environment in war and armed conflict	CES, Kristu Jayanti College, Bangalore.
40	18/09//2023	Poetry Writing Activity to commemorate 'World Clean Up Day'	CES, Kristu Jayanti College, Bangalore.
41	21/09//2023	Insta reels competition to commemorate 'Zero Emission Day'	CES, Kristu Jayanti College, Bangalore.
42	19/09/2023	Digital Poster Making Competition to commemorate ' World Ozone Day'	CES, Kristu Jayanti College, Bangalore.

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Green, Energy, & Environment Audit Report

43	07/09/2023	Digital Poster Awareness on International Day of Clean Air for Blue Skies	CES, Kristu Jayanti College, Bangalore.
44	05/12/2023	Digital Poster Awareness on world Soil Day	CES, Kristu Jayanti College, Bangalore.
45	05/01/2024	Digital Poster Awareness on National Bird Day	CES, Kristu Jayanti College, Bangalore.
46	10\11\2022	Swacch Bharat Abhiyan	NSS, Kristu Jayanti College, Bangalore.
47	01/03/2023	Swachh Bharat Abhiyan	JES, Kristu Jayanti College, Bangalore.
48	01/3/2023 05/3/2023 21/3/2023 22/3/2023 27/3/2023	Van Mahotsav - Adopt A Sapling	JES, Kristu Jayanti College, Bangalore.
49	22/09/2022	Puneet Sagar Abhiyan (Cleanliness drive)	NSS, Kristu Jayanti College, Bangalore
50	21/11/2022	Sapling Plantation	NSS, Kristu Jayanti College, Bangalore
51	05/06/2023	World Environment Day	NSS, Kristu Jayanti College, Bangalore.
52	24/04/2023	Virtual International Conference on Earth for All	UNSDG – HUB, Kristu Jayanti College, Bangalore.

53	22/03/2023	International water day	UBA, Kristu Jayanti College, Bangalore.
54	29/03/2023	Keeping Water for Birds	UBA, Kristu Jayanti College, Bangalore.
55	01/10/2022 02/10/2022	Parisara Swachatha on the Occasion of Gandhi Jayanti	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.
56	30/03/2023	Vruksha Raksha - Nourishing a Plant	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore
57	23/03/2023	World Water Day	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.
58	23/03/2023	Water Day Awareness Poster Display Activity	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.
59	21/03/2023	World Forest Day	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.
60	28/03/2023	Role of Wildlife and Humans in nature	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.

Kristu Jayanti College, Bangalore
Green, Energy, & Environment Audit Report

61	20/1/2024	Awareness Campaign in Sulibele, Hoskote- Promoting Waste Segregation	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.
62	19/1/2024	Interactive Session with Farmers on Usage of Fertilizers	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.
63	17/10/2023	UNSDG Water Purifier Day- 'Sip Right, Live Bright'	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.
64	18/1/2024	Farm Visit-Gaining Knowledge of Plantation Process	Karnataka Civil Defense Corps, Kristu Jayanti College, Bangalore.
65	12/09/2023	Tree Plantation	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
66	13/09/2023	Swachhata Pakhwada- Cleanliness Drive	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
67	27/01/2024	Swachhata Drive at Antaragange	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
68	27/01/2024	Bio Diversity Study at Antargange Hills	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.

69	02/03/2024	Vruksha Raksha	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
70	02/03/2024	Swachhata Drive	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
71	02/03/2024	Coconut Shell Art	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
72	02/03/2024	Solid Waste Management	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
73	02/03/2024	Awareness on Protecting birds from Heat	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
74	02/03/2024	Awareness On Rainwater Harvesting	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
75	23/3/2024	World Water Day	Karnataka Civil Defense Corps, Kristu Jayanti College, Autonomous, Bangalore.
76	14/09/2023	World Ozone Day	Unnat Bharat Abhiyan [Uba], Kristu Jayanti College,

Kristu Jayanti College, Bangalore
Green, Energy, & Environment Audit Report

			Autonomous, Bangalore.
77	19/02/2024	Awareness on Water Conservation	Unnat Bharat Abhiyan [Uba], Kristu Jayanti College, Autonomous, Bangalore.
78	22/04/2024	International SDG Conference on Earth for All Plastic vs Planet	United Nations Academic Impact Hub For SDG, Kristu Jayanti College, Autonomous, Bangalore.
79	17/10/2023	Seminar on Sustainable Agriculture on the occasion of International Day for the Eradication of Poverty	United Nations Academic Impact Hub For SDG, Kristu Jayanti College, Autonomous, Bangalore.

Few of the activities carried out in the institute campus and surroundings related to Environment awareness:

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23
CLEANING OF PUBLIC PARK IN COMMEMORATION OF WORLD CLEAN-UP DAY

Date: 18/09/2022

Time: 9:00am to 11:00am

Venue: Public Park, Byrathi, Kothanur, Bangalore

Department of Life Sciences and Centre for Environment and Sustainability organized a Clean-up of public park at Byrathi Cross, Bengaluru in commemoration of World Clean-up Day on September 18, 2022. 15 student volunteers under the guidance of Dr. Hanumanthappa cleaned the park and cleared the litter and disposed it in the specific waste bins. The park was made clean and the daily visitors to park were happy. The student volunteers spread the message of keeping our surroundings clean and tidy.



Photos of Students cleaning up public park, Byrathi Cross

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

VISIT TO BIODIVERSITY PARK AND PARTICIPATION IN INAUGURATION OF BIODIVERSITY PARK, NAAC OFFICE, JNANA BARATHI CAMPUS, BANGALORE

Date: 20/09/2022

Time: 10:00 am to 12:00 noon

Venue: Biodiversity Park, NAAC Office, Jnana Barathi Campus, Bangalore

To commemorate the 12 year of its existence in Bangalore, the NAAC office organized a function to inaugurate the biodiversity park in its campus. The park was inaugurated by Honorable minister of state Shri. V. Somanna along the Director and office bearers of the National Assessment and Accreditation Council. The students of Kristu Jayanti College along with two faculty members attended the inauguration function and also visited the biodiversity park. There were about 50 students along with the faculty coordinators from the Centre of Environment and Sustainability who visited the campus.



Students at Biodiversity Park, NAAC Office, Bangalore

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23
EXPERT TALK ON “ONE LIFE ONE PLANET”

Date: 24/09/2022

Time: 9:15 am to 11:00 am

Venue: M3 Auditorium, Main Block, Kristu Jayanti College

The expert talk on One Life One Planet started off with arrival of the keynote speaker Shri Anil Kumar, a renowned philanthropist and environmentalist. Then the chief guest enlightened the audience with his escapade into the world of philanthropy. He shared multitude of his experiences on how he helped his village, Ananthapuram, overcome the horrors of the COVID pandemic. He motivated students to do their little towards the society and environment..A video was played on the environmental activities of Shri. A G Anil Kumar.



Shri. A G Anil Kumar addressing the students

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

DEPARTMENT OF COMPUTER SCIENCE (UG)

INTERNATIONAL E-WASTE DAY

E-RASE YOUR E-WASTE (Collection of e-waste for recycling)

Date: October 14-21, 2022

Place: Kristu Jayanti College, Bangalore

The Centre for Environment and Sustainability in collaboration with Department of Computer Science (UG), Kristu Jayanti College (Autonomous) made an attempt to raise awareness on e-waste management by collecting e-waste for recycling. E-waste comprising of mouse, keyboard, wire, Circuit boards, DVDs, Compact disks, Audio Equipment, amplifiers etc were collected for recycling. The day was used to raise awareness on e-waste recycling and motivated students and faculty to prioritize e-waste recycling.



Students depositing e-waste in collection boxes kept at different venues

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

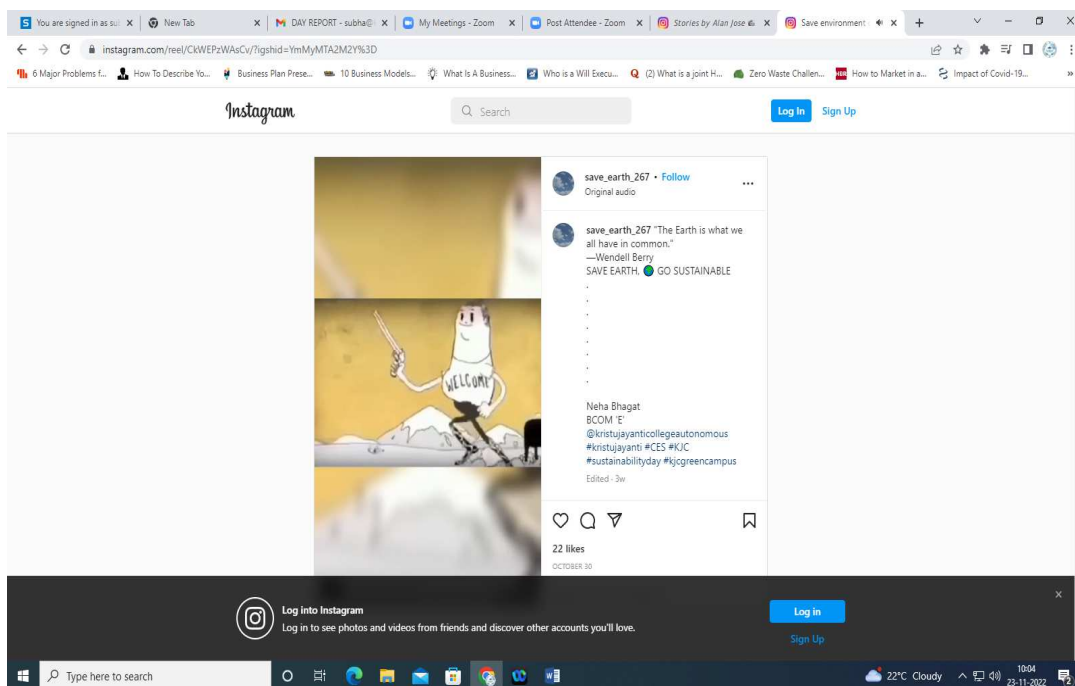
Competition on Instagram Reels creation in commemoration

of Sustainability Day, 27th October 2022

Title: Instagram Reels on the theme “Save Earth, Go Sustainable”

Date: 27/10/2022 – 01/11/ 2022

Centre for Environment and Sustainability organized a competition on Instagram Reels creation with the theme “Save Earth, Go Sustainable” commemorating Sustainability Day on October 27, 2022. As the world becomes increasingly digital, social media is becoming more and more popular. Students took to social media with engaging Instagram reels to spread awareness of climate change and look after our planet.



Snapshot of Instagram reels

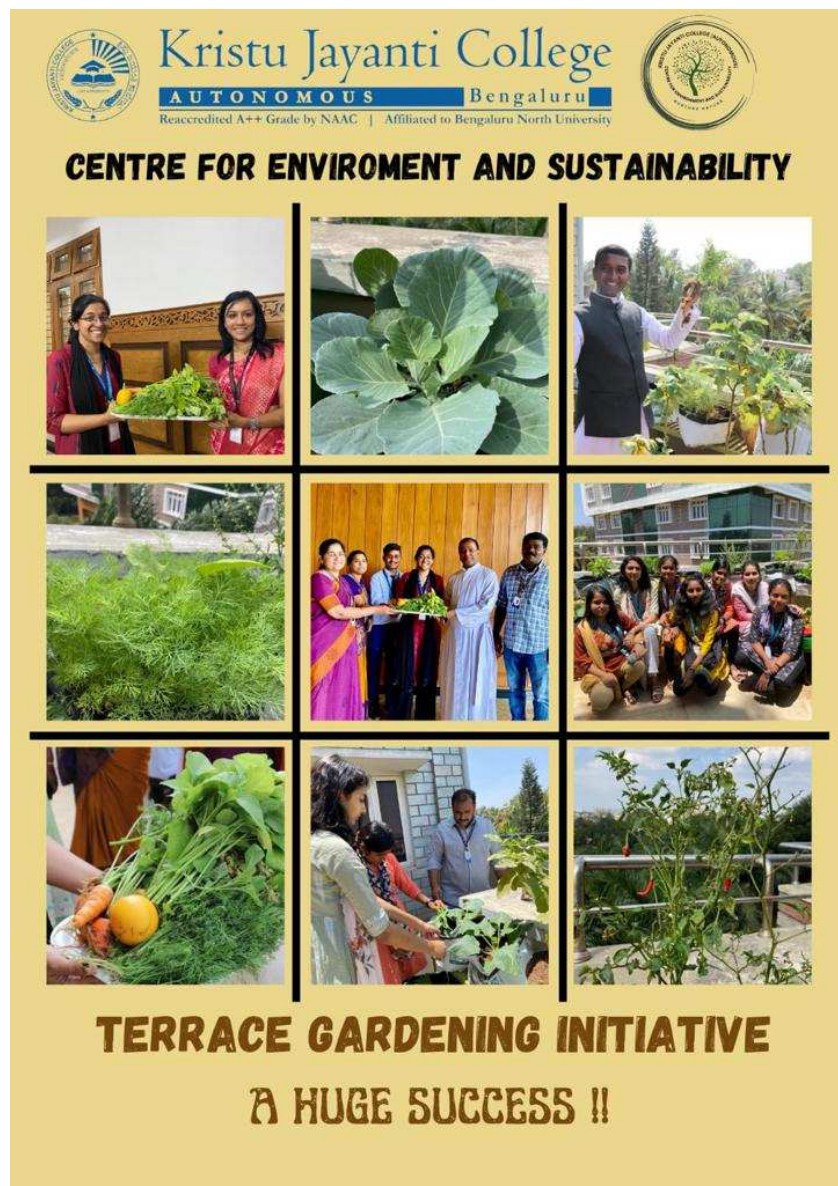
CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

Initiation of Terrace Gardening

Date: 14/ 11/ 2022

Time: 1 :40 pm to 03:30 pm

The much-awaited terrace gardening initiative was started off by the members of the CES on 14 November 2022. A brief description of the process was given by Dr. Sivagamasundari with the assistance of Mr. Binu. The students prepared the pot mix and filled the grow bags with dried leaves and manure accordingly. The growbags were ready within an hour due to the combined effort of each member. The grow bags were kept aside and transferred to balcony/ terrace of the third floor of PG block.



CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

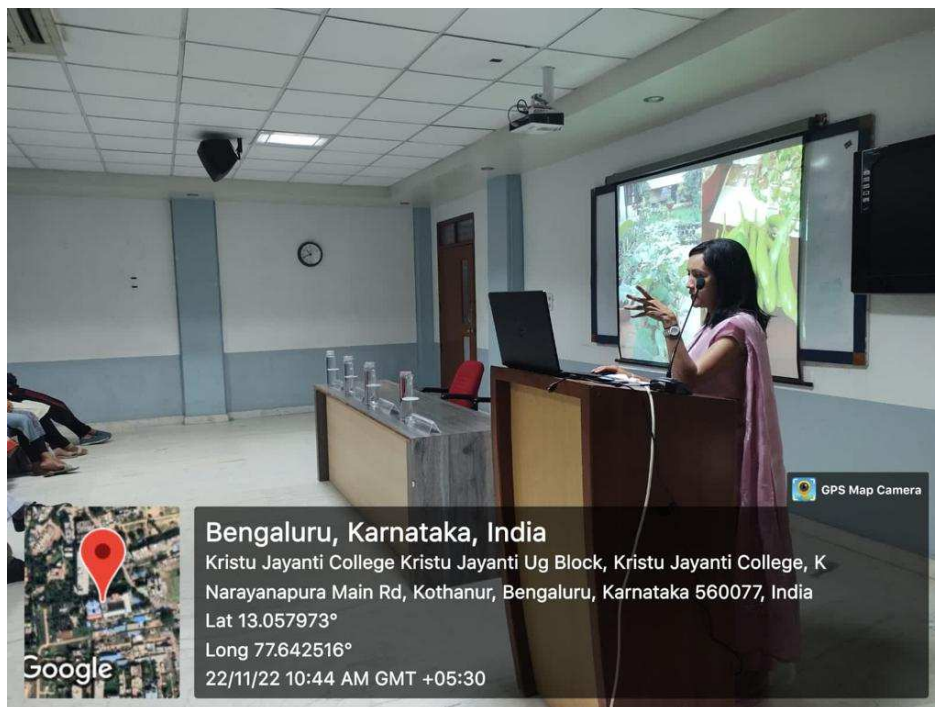
EXPERT TALK ON “My Gardening Experiences and the Joys of Growing Your Own Veggies”

Date: 22/ 11/ 2022

Time: 10 :15 am to 11:30 am

Venue: Conference Hall 1, PG Block, Kristu Jayanti College

The expert talk started off with the arrival of Fr. Dr. Augustine George, Principal, of Kristu Jayanti College, and Fr. Deepu, Director of the Student Welfare Office to the venue. Members of the Centre for Environment and Sustainability and students from the Life Science Department were present in the venue as the audience for the occasion. Ms. Noella Ann, Admission Office Executive, shared her personal experiences with home gardening and shared photos of different varieties of vegetables grown with organic farming. Mr. Roshin Ray Varghese, Research Assistant, Department of Life Sciences, also shared the scientific and theoretical aspects of growing one’s own roof-top vegetable garden



Ms. Noella presenting her gardening experiences

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Green, Energy, & Environment Audit Report



Mr. Roshen sharing the technical aspects of setting up roof top garden

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

Cocopeat Production

Date: 28/11/2022

Time: 12:00 pm to 12:45 pm

The Centre for environment and sustainability accomplished an activity on the production of cocopeat, an organic, sustainable and eco-friendly approach to replenish and conserve soil. The activity was carried out by the Botany students of I and III Sem BSc under the guidance of Dr. Indira M.N., Faculty Coordinator of CES. The entire process of cocopeat production was done in the premises of Kristu Jayanti College by using the waste coconut husks derived from the coconut trees in the campus. Dr. Indira spoke about the relevance of soil and the initiate undertaken.



Release of the cocopeat blocks by Principal Fr. Augustine George

Products: Cocopeat Blocks



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CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

Inauguration of “Home and food for birds”

Date: 11/01/2023

Time: 10 am to 1.00 pm

Venue: Medicinal Garden, Kristu Jayanti College

A novel initiative called Home and Food for Birds was inaugurated by Ms P Bineesha ,Executive director IIWM, on 11th January 2023 as a part of the commemoration of National Bird Day in Kristu Jayanti College, Autonomous, Bengaluru. A number of activities including DIY nest making contest, Photography of birds contest etc was conducted as a part of the National Bird Day. More than 75 eco friendly bird nests and bird feeders were prepared by the students and placed all over the campus and nearby localities. An awareness programme was conducted in the college and nearby vicinities , educating the society about the importance of preserving birds and biodiversity. The keynote speaker was Ms. P Bineesha, Executive Director, International Institute of Waste Management (IIWM).



Chief guest Ms.Bineesha inaguarating Home and Food for the Birds

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

IN ASSOCIATION with DEPARTMENT OF ENGLISH

“BACKYARD BIRDING”

Date : 30/1/2023

Time : 12:00 pm to 1:15 pm

Venue: A1 Auditorium, Kristu Jayanti College

An orientation session on backyard birding was conducted in the college on 30th January 2023. The resource person of the day was Ms Surabhi Deshpande, Senior educationist, WWF, Karnataka. There was a brief talk by the resource person about WWF in which she explained that now India is a leading and funding country of WWF with over 50 years of experience. The resource person also gave a presentation on different types of birds, their nature, the importance of birding and thumb rules for birding and also gave various resources to study about birding.



**Ms Surabhi Deshpande, Senior educationist,
WWF, Karnataka and her presentation.**

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

Orientation on Campus Bird Count

Date : 21/02/23

Time : 3:30-4:30 pm

The campus bird count is a sub-event of larger Great backyard bird count. It is a coordinated effort to document the birdlife in multiple campuses across India which was conducted in campus from 17th -20th Feb. The members of WWF have gave brief information on why campus bird count is important and instructed how to conduct the campus bird count in college. The protocol for campus bird count was quite flexible; basically we would walk around the campus and capture photos and videos of different types of bird for minimum 15min per day and upload these photos and videos in eBird mobile app.

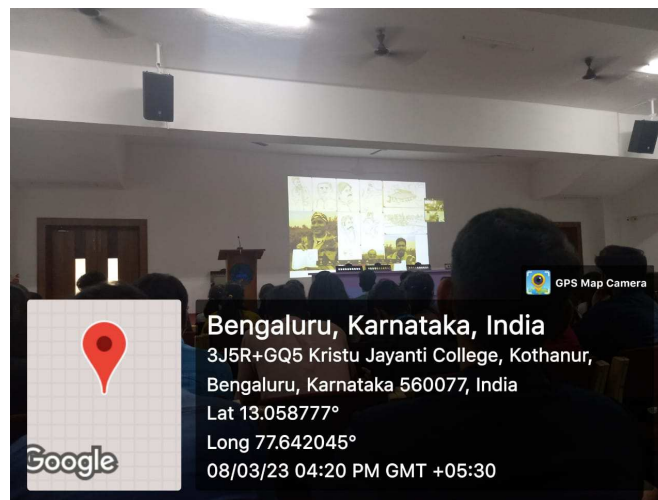


CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23
WEBINAR ON OUR TIGERS' RETURN, WORLD WILDLIFE DAY - 2023

Date: 08/03/2023

Venue: A1 auditorium

The Centre for Environment & Sustainability organised a webinar on 'Our Tigers Return' on the 8th of March 2023 for students across all the deaneries to commemorate the World Wildlife Day. The Resource person was Mr. Peeyush Sekhsaria, renowned geographer and writer. He is known for his conservation initiatives in the tiger reserves and documentation of the successful projects. The students were introduced to the alarming reduction level of tiger population.



Mr. Peeyush Sekhsaria addressing the students about the importance of preserving tigers

CENTRE FOR ENVIRONMENT AND SUSTAINABILITY (CES) 2022-23

Poster Awareness on Environment Commemorative Days

Date and Commemorative Day: 03/03/2023 - World Wildlife Day
18/03/2023 – Global Recycling Day
21/03/2023 – World Forestry Day
22/03/2022 - World Water Day

World Wild Life Day activities spread awareness on the need for preserving wild life. The activities offered to SEC students made them aware of endangered wild animals and birds, exotic flowers and pets.

Global recycling day activities on recycled paper bags, bottle planters, recycled products from coconut made students realise the need to recycle products and to reuse thus reducing waste production.

World Forestry Day activities made the students aware of the importance of forests and the the need tp preserve them.

World water day activities spread the message amongst students regarding the necessity to save water for future, the methods of conservation of water and regarding rain water harvesting

SWACHHATA PAKHWADA - AWARENESS CAMPAIGN ON HEALTH, HYGIENE AND ENVIRONMENT'

Date: 12/09/2023

Time: 11:00 am to 12:30 noon

The Centre for Environment and Sustainability (CES), Kristu Jayanti College observed 'Swachhta Pakhwada' a cleanliness drive initiated by the Government of India, organized an awareness campaign on 'Health, Hygiene and Environment' at Government Lower Primary School, K. Narayanapura, Bangalore on 12th September 2023. Posters done by the students from the Centre for Environment and Sustainability, highlighted the importance of Swachhata in one's life. The awareness witnessed the participation of 140 school children.



Students giving awareness to children on cleanliness at Government Lower Primary School, K. Narayanapura, Bangalore

SPECIAL RADIO PROGRAM ON 'NATURE'S TALK'

Date: 09/02/2024

Time: 12.50 pm

Venue: KJC Radio Online Portal, Bengaluru

The Department of Media Studies in collaboration with Centre for Environment and Sustainability presented a special Radio Programme "Nature's Talk" which was aired on KJC Radio on February 9, 2024 at 12:50 pm. The guest invitee was Dr. Indira M.N. Assistant Professor, Department of Life Science, Kristu Jayanti College. Dr. Indira in her talk spoke about the ill effects of single use plastics, deforestation and green-house emissions.



In the Media room with Dr. Indira M.N., Coordinator CES

EXPERT TALK
‘Special Lecture on Climate Change and Energy Transition’

Date: 03/08/2023

Time: 2:00 am to 4:00 pm

Venue : SKE Auditorium, PG Block

The Department of Life Sciences and Centre for Environment and Sustainability jointly organized a special lecture on ‘Climate Change and Energy Transition’ on 3rd August 2023 for the Undergraduate students of the Life Science Department. The resource person Ambassador Dinkar P. Srivastava, an eminent speaker highlighted the green house emissions and the noxious effect on environment.



Ambassador Dinkar P. Srivastava addressing the gathering

COMMEMORATION OF WORLD TAXONOMY DAY

Expert talk on ‘Shaping the future: Sustainability and changing paradigms of Conservation’

Date: 13/03/2024

Time: 11.00 am to 12.40 pm

Venue: Planery hall | Admin Block | 1st Floor

Centre for Environment and Sustainability in Collaboration with Department of Life sciences, Kristu Jayanti College commemorated World Taxonomy Day on March 13th 2024. Dr. Priyadarshan Dharma Rajan, Senior Fellow from Ashoka Trust for Research in Ecology and the Environment, spoke about the diversity in insect population and how they can be identified in nature based on their sounds. He spoke about the evolutionary changes in the behavioral pattern of fauna in nature, humans and animals over the years leading to climatic change.



Resource Person : Dr. Priyadarshan Dharma Rajan delivering his lecture

COMMEMORATION OF ENERGY EFFICIENCY DAY

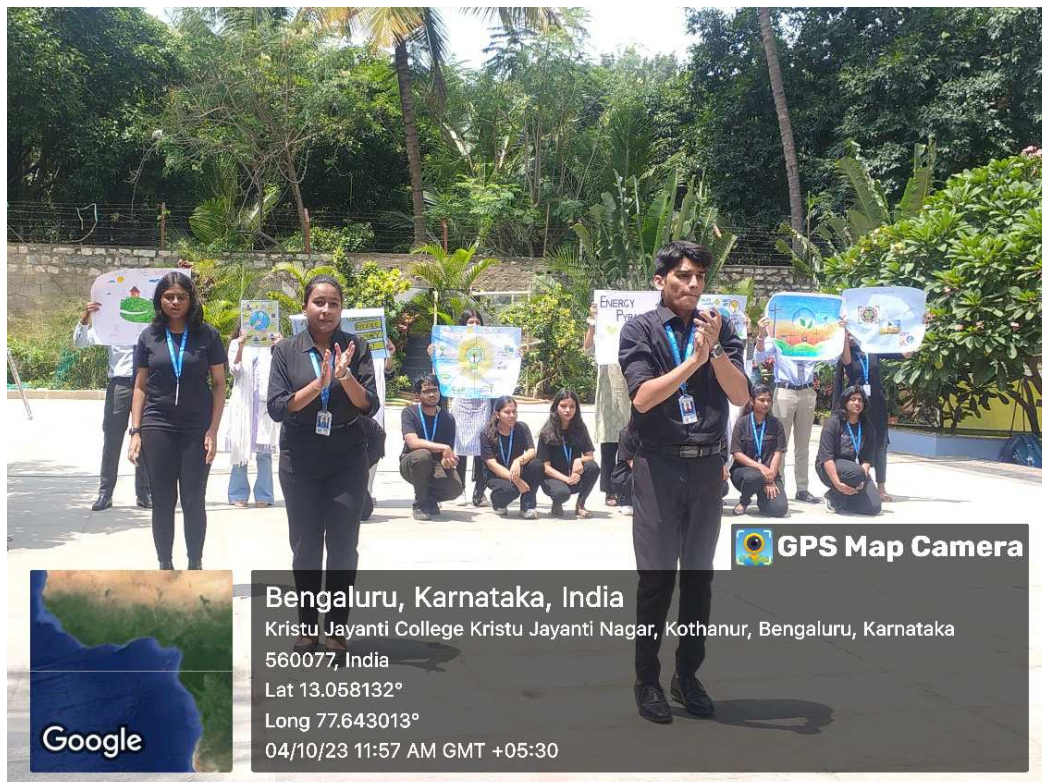
‘Street play on Energy Efficiency Awareness’

Date: 04/10//2023

Time: 11.50 a.m.

Venue: Chavara Square

The Centre for Environment and Sustainability, Kristu Jayanti College in association with Department of Management, organized an engaging street play to promote Energy Efficiency Awareness on October 4th, 2023. The play emphasized the environmental benefits, cost savings, and the role of community action.



Students Performing Street play on ‘Energy Efficiency Awareness’

COMMEMORATION OF WORLD SUSTAINABILITY DAY

Skit on 'Sustainability: today and tomorrow'

Date: 07/11/2023

Time: 11.50 a.m. To 12.00 noon

Venue: Kristu Jayanti College, Bangalore

October 27 is commemorated as 'World Sustainability Day'. The Centre for Environment and Sustainability Kristu Jayanti College, organized a skit "Sustainability: Today and Tomorrow." The skit was mainly organized by the students, where they depicted different scenarios of the future that would occur if we don't practice sustainability.



Skit on World Sustainability Day

COMMEMORATION OF INTERNATIONAL E-WASTE DAY

You can recycle anything with a plug, battery or cable!

Date: 14/10/2023

Venue: Kristu Jayanti College, Bangalore

October 14 is commemorated as 'International E-waste Day'. The Centre for Environment and Sustainability, in association with the Department of Computer Science (UG), Kristu Jayanti College, observed a week long '*International E Waste Day*' starting 4th October to 20th October 2023. The staff and students of the college were encouraged to collect electronic wastes from their homes and offices and deposit in the E waste bin provided at different locations in the campus.



Students Depositing E wastes in the bin

STUDENT COMPETITIONS

COMMEMORATION OF INTERNATIONAL DAY FOR PREVENTING THE EXPLOITATION OF ENVIRONMENT IN WAR AND ARMED CONFLICT.

‘Essay Writing Competition’

Date: 06/11//2023

Mode : Online mode

Awareness was created among the academic community including students, faculty members, staff and society as a whole by creating poster on environment commemorative days and sharing in social media. To commemorate International day for prevention of environment in war and armed conflict (06th November) an online essay writing event was conducted wherein submissions were allowed from 05/11/2023 to 08/11/2023.

STUDENT COMPETITIONS
COMMEMORATION OF WORLD OZONE
DAY

‘Digital Poster Making Competition’

Date: 19/09/2021

A digital poster making competition was conducted for the students of Kristu Jayanti College Autonomous by the Centre of Environment and Sustainability. The theme given for the poster competition was “Fixing the ozone layer and reducing climate change”. The students displayed their creativity and created thoughtful posters.



Digital Posters by students

Swachh Bharat Abhiyan - Cleanliness Drive

Date: 01/03/2023 to 30/03/2023

Time: 12.50 PM - 1.30 PM

Venue: K Narayanapura & Govt School

Jayantian Extension Service – National Service Scheme (NSS) organized Swachh Bharat Abhiyan at K Narayanapura and the government school, for all the volunteers of every groups. The aim of this drive was to create awareness among people about the importance of cleanliness and encourage them to actively participate in keeping their surroundings clean. Recycling was a major theme of this Drive, Overall the drive was successful with volunteers cleaning the streets and spreading awareness about Cleanliness and Recycling. The volunteers also cleaned the government school so that the students can study in a clean environment and to inculcate a sense of cleanliness among them.



Swachh Bharat Abhiyan

Van Mahotsav - Adopt a Sapling

Date: 1st, 5th, 21st, 22nd & 27th March

Venue: Residence & Govt School

Jayantian Extension Service – National Service Scheme (NSS) organized Van Mahotsav - Adopt a Sapling. The volunteers were asked to plant or adopt a sapling according to their convenience either at home or nearby and to take care of it. The volunteers of NSS planted a sapling in the government school at K Narayanapura, Kothanur on the occasion of International Forest Day. The initiative taken by the NSS volunteers in the government school is a step in the right direction towards promoting sustainable practices and preserving our environment.



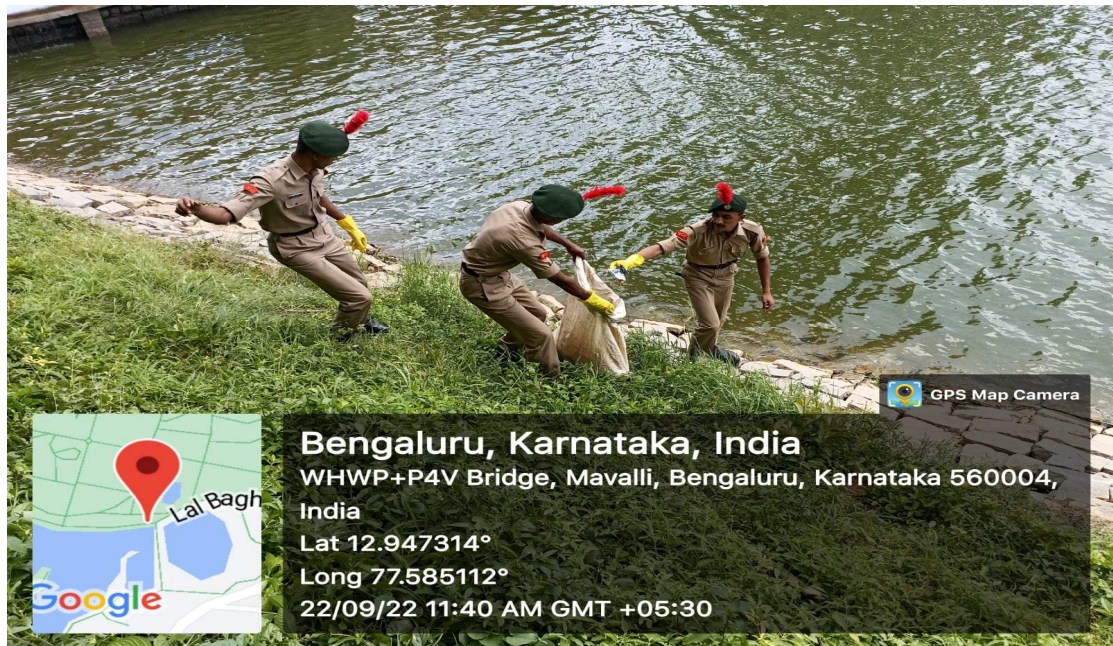
Adopt a Sapling

Puneet Sagar Abhiyan Report

Date: 22/09/2022

Venue: Lalbhag Garden

The 'Puneet Sagar Abhiyan' was organized by 3 KAR BN NCC, Bengaluru. The cadets of Kristu Jayanti College Autonomous, Bengaluru under the dynamic leadership of our ANO Capt. Sarvesh B S conducted cleaning and maintenance of the banks of Lalbhag Lake at Lalbhag garden in an efficient manner. Cdt. Dhanush and Cdt. Neetu represented Kristu Jayanti College and anchored the event. The Chief guest Col. Basant Singh addressed cadets with a motivating speech.



Cadets cleaning Lalbhag lake front

SAPLINGS PLANTATION REPORT

Date: 21/11/2022

Venue: Kristu Jayanti College

The cadets participated enthusiastically in the plantation drive. The spirit of cadets was undeterred as they planted saplings in college ground and 2nd campus too. Plants were provided by the 3 Kar BN. After which Fr. Principal interacted with cadets and shared green information about saplings.



Cadets planted saplings.

JAYANTIAN EXTENSION SERVICES

CENTRE FOR SOCIAL ACTIVITIES (CSA)

Food Waste Management Campaign-An Awareness Campaign

Date : 16/10/2022 -22/10/2022

Time : 9.30-4.30pm

The Centre for Social Activities (CSA), Jayantian Extension Services (JES), Kristu Jayanti College (Autonomous) organized a Food Waste Management Campaign from 16th to 22nd October 2022, on mark of the World Food Day. The campaign was an effort to spread awareness among owners and customers of hotels and food stalls in K Narayanapura, Kothanur district regarding the importance of saving food and effectively managing food waste. The CSA volunteers have covered more than **200 hotels** in all over Bengaluru City to create awareness.



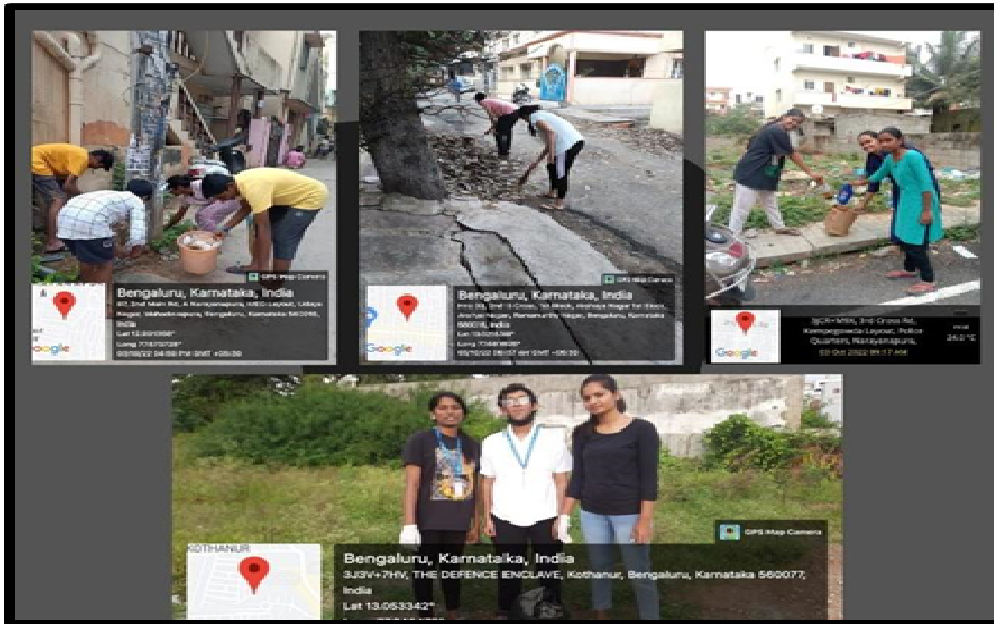
Social Awareness Campaign in Restaurants & Hotels in Kothanur, K. Narayanapura, Bengaluru

PARISARA SWACHATHA ON THE OCCASION OF GANDHI JAYANTI

Date: 01/10/2022 & 02/10/2022

Time: 1.30pm to 3.30pm

Karnataka Civil Defense Corps, Kristu Jayanti College Autonomous, commemorates the 153rd birthday of Mahatma Gandhi on 1st and 2nd October 2022, by organising a cleanliness campaign- **Parisara Swachatha**. The KCDC Volunteers actively participated in awareness and cleanliness drive which was held on 1st October, 2022 in K. Narayanapura, Bengaluru-560077. On October 2nd, 2022 the students and volunteers covered various locations including K Narayanapura Cross, Cox Town, Kacharakanahalli, Udaya Nagar, Kempaegowda Layout, Ramamurthy Nagar to name a few.



Parisara Swachatha on the Occasion of Gandhi Jayanti



Parisara Swachatha on the Occasion of Gandhi Jayanti

VRUKSHA RAKSHA -NOURISHING A PLANT

Date: 30/03/2022

Time: 11:00 am

Karnataka Civil Defence Corps unit of Kristu Jayanti College Autonomous organized “Vruksha Raksha nourishing a plant” Programme on 30th March 2023 at 11:00 am, Veterinary Hospital K. Narayanapura. Lael P Joby, Associate member, KCDC, 1st year BBA was the student in charge of the event volunteers The saplings present in the outer area were planted by the Government of Karnatak.



Centre For Social Activities

UNSDG Water Purifier Day-‘Sip Right, Live Bright’

Date: 17/10/2023

On October 17, 2023, the Centre For Social Activity (CSA) orchestrated a remarkable "Community Education Program" that left an indelible mark on the young minds of 45 children. The event unfolded on a picturesque turf, commencing at 4:30 pm and concluded at 5:30 pm. The duration of this program was a 45-minute session led by enthusiastic volunteers of CSA. The focal point of their presentation was the intriguing topic of the "Water Filtration Process."



JAYANTIAN EXTENSION SERVICES

KARNATAKA CIVIL DEFENCE CORPS

TREE PLANTATION

Date: 12/09/2023

Time: 2.00 pm

Karnataka Civil Defence Corps of Kristu Jayanti College, in collaboration with BBMP Forest Division, Horamavu ward, organized a 'Tree Plantation Drive' on September 12, 2023 at N. Nagenahalli Lake. Dedicated and committed volunteers involved in planting 80 saplings. The program was led by Mr. Darshan, plantation supervisor, BBMP and Prof. Manjunath S, staff coordinator JES KCDC.



Volunteers planting the saplings

KARNATAKA CIVIL DEFENCE CORPS

SWACHHATA PAKHWADA- CLEANLINESS DRIVE

Date: 13/09/2023

Time: 1.30 pm

Karnataka Civil Defence Corps of Kristu Jayanti College organized a Cleanliness Drive to commemorate **Swachhata Pakhwada** on 13th September 2023 at K Narayanapura ground and Bus Stand. The aim of the drive is to sensitize students and involving them in the sanitation and cleanliness.



KCDC volunteers removing unwanted plants from the ground

**KARNATAKA CIVIL DEFENCE CORPS
SWACHHATA DRIVE AT ANTHARAGANGE**

Date: 27/01/2024

Time: 6:00am to 8:00 am

The Karnataka Civil Defence Corps (KCDC) of Kristu Jayanti College took a proactive approach to promote cleanliness and hygiene by launching a Swachhata Drive at Anthargange. The volunteers dedicatedly worked throughout the day, engaging in activities such as litter collection, garbage clearance, and advocating responsible waste disposal.



Volunteers involved in cleanliness drive

JAYANTIAN EXTENSION SERVICES
KARNATAKA CIVIL DEFENCE CORPS
BIO DIVERSITY STUDY AT ANTARGANGE HILL

Date: 27/01/2024

Time: 3:00pm

The Karnataka Civil Defence Corps, affiliated with Kristu Jayanti College, autonomously spearheaded a Bio Diversity study on January 27th, 2024, at Antargange Hills. This area is renowned for its rich biodiversity, boasting a wide variety of flora and fauna. The volunteers of KCDC actively engage in the preservation of this natural treasure, showcasing their unwavering dedication to fostering sustainable coexistence between humans and the environment.



Forest Range Officer giving a Brief about Bio-diversity

JAYANTIAN EXTENSION SERVICES
KARNATAKA CIVIL DEFENCE CORPS
SWACHHATA DRIVE

Date: 02/03/2024

Time: 10:00 am to 12:00 pm

The Karnataka Civil Defence Corps of Kristu Jayanti College autonomous organized a cleanliness drive, Swachhata Drive, on 2nd March, 2024, at Kacharakanhalli Playground with the objective of raising awareness and creating a cleaner environment. The playground was thoroughly cleaned, with a focus on proper waste disposal and recycling.



Group of Volunteers posing after completing the drive

JAYANTIAN EXTENSION SERVICES

KARNATAKA CIVIL DEFENSE CORPS

COCONUT SHELL ART

Date: 02/03/2024

Time: 09:00 AM

Karnataka Civil Defence Corps of Kristu Jayanti College autonomous organized Coconut Shell Art to students of Higher Primary School Kothanur, on 02nd March 2024. KCDC volunteers conducted a workshop introducing the intriguing world of coconut shell art to fourth-grade students. The initiative aimed not only to nurture the students' artistic talents but also to promote sustainability by repurposing coconut shells.



Group Pic with the students of 4th Standard

JAYANTIAN EXTENSION SERVICES
KARNATAKA CIVIL DEFENSE CORPS
SOLID WASTE MANAGEMENT

Date: 02/03/2024

Time: 10:00 Am

Karnataka Civil Defence Corps of Kristu Jayanti College autonomous organized Solid Waste Management to students of Higher Primary School Kothanur, on 02nd March 2024. The Solid waste management session was organized for the 5th grade students, emphasizing the importance of responsible waste disposal.



Session on solid waste management

KARNATAKA CIVIL DEFENCE CORPS
AWARENESS ON RAINWATER HARVESTING

Date: 02/03/2024

Time: 9:00am to 12:00pm

Karnataka Civil Defence Corps of Kristu Jayanti College Autonomous organised awareness session on rainwater harvesting at Narayanapura Primary School. The main objective of the session was to educate the students on the importance of rain water harvesting and how it can be used as a reliable source of water for various purposes,



UNNAT BHARAT ABHIYAN [UBA]

WORLD OZONE DAY

Date: 14/09/2023

Time: 12.00 PM – 12:30 PM

Venue: KRISTU JAYANTI COLLEGE, K Narayanapura

Jayantian Extension Service – National Service Scheme (NSS) organized World Ozone Day at Kristu Jayanti College. The volunteers had to prepare posters and spread awareness by standing on either side of the college main gate. The main intension of every student was to raise awareness about the importance of ozone layer and how its depletion leading to climatic changes.



UNNAT BHARAT ABHIYAN (UBA)

Academic Year 2023 – 24

AWARENESS ON CONSERVATION OF WATER

Date: 19/02/2024

Time: 4:00 PM – 5:30 PM

Venue: Various locations outside Kristu Jayanti College



Volunteers with Awareness posters

UNAI HUB FOR SDG 1

SEMINAR: SUSTAINABLE AGRICULTURE

On the 17th of October, UNAI HUB for SDG 1, Kristu Jayanti College organised a seminar on “Sustainable Agriculture”, on the occasion of International Day for the Eradication of Poverty. Mr. Joseph Britto, Coordinator of Aditi Organic Certification was the resource person of the seminar. Mr. Britto elaborated about agriculture and its importance in the lives of the individual as well as the wider population.



Mr. Joseph Britto, the resource person interacting with the audience

Annexure - 1

Certificate for depositing E-waste to a certified recycler.



EXIGO

An ISO 14001 & 9001, 45001 Certified Company

Certificate
OF SAFE DISPOSAL

SDC No.: ERPL: 6722
PR No.: PR-K-0047

Date: 22.08.2024

This is to certify that the materials picked from
C/o. - Bodhi Niketan Trust, K. Narayanapura, Kothanur Post, Bengaluru – 560077, India
For, Kristu Jayanti College.
As per details given below have been
Disposed off in an environmentally safe and secure manner by Exigo Recycling Pvt. Ltd.

ITEM	Ref No.	Collection Date	Our Receiving Details	Final Recycling Date	Weight
E-waste	KJC/Gen/1088/2024	31.05.2024	MRN No. ERPL-5026F	12.08.2024	670 Kgs.

The Items mentioned above have been disposed off in an environmentally safe manner as per the prescribed norms of the Company and the rules laid down by the Pollution control authorities.

This Safe Disposal Certificate includes the activities of collection, transportation, storage, dismantling and treatment using mechanical/manual process wherein the elements are recovered from the Items mentioned above and converted into raw materials for future manufacturing of new products. The Items mentioned above are no longer fit for their original purpose and have been recycled and turned into raw materials and sent to the manufacturing industry.

Authorization No. HSPCB/2020/7441571EWREF02 dt. 03.03.2020 valid till 16.02.2025

For, Exigo Recycling Pvt. Ltd.
(Authorized Signatory)

Annexure - 2

Water testing reports

Water quality Report

Date	Water sample	Analysis		Remarks for RO only	Sign if the incharge
		E.coli cfu/ml	Coliforms cfu/ml		
29/03/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
14/04/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
30/04/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
16/05/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
30/05/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
15/06/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
29/06/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
14/07/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
30/07/2024	RO water , Rain water, Bore well water	Absent,Absent, Absent	Absent,Absent, Absent	Excellent	chf.
15/08/2024	RO water , Rain water, Bore well water	Absent,Present, Absent	Absent,Present, Absent	Good	h.j.lalitha
30/08/2024	RO water , Rain water, Bore well water	Absent,Present, Absent	Absent,Present, Absent	Good	h.j.lalitha
14/09/2024	RO water , Rain water, Bore well water	Absent,Present, Absent	Absent,Present, Absent	Good	h.j.lalitha
30/09/2024	RO water , Rain water, Bore well water	Absent,Absent, Present	Absent,Absent, Present	Good	h.j.lalitha

Pritya
Pritya Jaisan
Faculty incharge

Dr. S. Vijayanand
Head of the Department
Dr. S. vijayanand

Kristu Jayanti College Autonomous, Bengaluru
Green, Energy, & Environment Audit Report

Chemical Analysis of water

Sl.no	Date	Water sample	pH	Chlorine level(ppm)		Hardness level(ppm)		Remarks for RO	Sign of incharge
				Test	STD	Test	STD for RO		
1	29/03/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,115,270	<50	Good	<i>[Signature]</i>
2	14/04/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,116,265	<50	Good	<i>[Signature]</i>
3	30/04/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,151,265	<50	Good	<i>[Signature]</i>
4	16/05/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,171,278	<50	Good	<i>[Signature]</i>
5	30/05/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,112,267	<50	Good	<i>[Signature]</i>
6	15/06/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,113,267	<50	Good	<i>[Signature]</i>
7	29/06/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,131,280	<50	Good	<i>[Signature]</i>
8	14/07/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,141,260	<50	Good	<i>[Signature]</i>
9	30/07/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,112,276	<50	Good	<i>[Signature]</i>
10	15/08/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,113,270	<50	Good	<i>[Signature]</i>
11	30/08/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,131,275	<50	Good	<i>[Signature]</i>
12	14/09/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,157,278	<50	Good	<i>[Signature]</i>
13	30/09/2024	RO,Rain,Bore well	7	-	0.2-0.5	15,145,276	<50	Good	<i>[Signature]</i>

[Signature]
Dr. Priya Jenson



[Signature]

NISARGA ECO CONSULTANTS
Srinivasam, Plot No. 97,
Malini Nagar, Kanbargi Road,
Belagavi-590016

DISCLAIMER

The audit team has prepared this report for Kristu Jayanti College Autonomous, Bengaluru based on the input data provided by the Kristu Jayanti College Autonomous representatives, supplemented by the expert team's best judgment.

While every effort has been made to ensure accuracy, the details in this report have been compiled in good faith based on the information gathered. The recommendations are made using our best judgment; however, no representation, warranty, or undertaking, express or implied, is made. The audit team accepts no responsibility for any direct or consequential loss arising from the use of the information, statements, or forecasts in this report.

For NISARGA ECO CONSULTANTS

PROPRIETOR

