CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA

ENVIRONMENT AND WASTE MANAGEMENT- POLICY, PROCEDURE AND GUIDELINES

QUALITY POLICY

Area : Environment

ENVIRONMENT AND WASTE MANAGEMENT- POLICY, PROCEDURE AND GUIDELINES

AWARENESS, CONSERVATION AND CONTRIBUTION

TABLE OF CONTENTS

Awareness, Conservation and Contribution 1

CONTROL 2

policy 2

AWARENESS & CONSERVATION -RESPONSIBILITIES & guidelines 2

guidelines on waste management 3

CONTRIBUTION TO ENVIRONMENT 5

FEEDBACK 5

APPROVAL AND REVIEW DETAILS 5

CONTROL

Area: Environment	POLICY NO: 113/2020	Document Owner: Principal	
Title: Environment and Waste Management	Issued on: 11 Dec 2020	Revised on:	Pages: 4

Christ College (Autonomous) recognizes that it has a legal and moral responsibility to manage its activities in such a way so as to reduce detrimental impact on environment, prevent pollution, enhance environment consciousness in next generation, take mitigation measures and undertake methods for sustainable growth. Article 51-A of the Indian Constitution states that "it shall be the duty of every citizen of India to protect and improve the natural environment including forests, lakes, rivers and wildlife and to have compassion for living creatures." The policy enlisted here are measures taken by Christ College to make the campus a better place.

POLICY

This policy is to develop long term benefits for Christ College community as a framework for setting and reviewing of objectives and targets which involve

- Compliance with all environmental legal requirements, regulations and guidance.
- Integration of environmental factors into major decisions which involves new construction and day to day operations.
- Creation of awareness about the fragile nature of environment amoung Christ College community, especially to students.
- Prevention of waste as far as possible and promote the idea of reuse wherever possible.
- Integration of technologies to minimize use of resources like energy and water.
- Implementation of measures to harvest rain water and solar energy to attain self-sustainability.
- Assessment of institution's environmental performance annually through environmental audit to ensure continuous improvement.

AWARENESS & CONSERVATION -RESPONSIBILITIES & GUIDELINES

- This policy will be communicated to all students, teaching, non-teaching and supporting staff of Christ College (Autonomous) and be available to public through College website.

- All incoming students should be briefed with the policies and guidelines on waste management during the Student Induction Programme.
- Department of Geology & Environmental Science, Biodiversity Club, Enviro Club and Bhoomithrasena should conduct awareness programs throughout the year to create awareness and develop new methodologies to safeguard the environment.
- National Service Scheme units of the college should take active role in creating awareness amoung the students in association with above bodies, including PENDRIVE in which plastic pens are reused.
- Department of Geology and Environmental Science in association with IQAC should regularly monitor the measures taken by the institution by conducting green audit.
- The coordinator and volunteers of Enviroclub should take measures to spread the message of controlling Air pollution and noise pollution by Miyawaki forest in the college campus.
- The coordinator and volunteers of Bhoomithrasena share the responsibility with college in managing the polyhouse and organic farming.
- Coordinator of Biodiversity Club of the college along with the volunteers maintains the butterfly garden.
- Enviroclub coordinates with College Management in creating banners and stickers with environment protection slogans.
- It is the joint responsibility of the College, Department of Geology & Environmental Science and Bhoomithrasena to monitor the waste management systems in the College.
- Department of Botany in association with Biodiversity club should take measures to maintain and upgrade the biodiversity richness of the College campus through Shanthistal (ex situ conservation of rare, endangered and threatened (RET) plant species in the campus), Nakshatravanam (a medicinal plant garden).
- Cycle Club of the College shall conduct awareness programmes on the benefits to environment, health and economics on using bicycles.
- Heads of the Departments / Programme Coordinators should initiate measure for energy conservation and waste management in their respective departments.

GUIDELINES ON WASTE MANAGEMENT

- Regular orientation programme and training sessions on waste management for the administrators, teachers and support staff.

Waste stream	***Infrastructure***	***System procedures***

General Solid wastes: To be handled as per the Solid Waste Management Rules, 2016 of Central Pollution Control Board.	• Proper bin systems, segregated waste collection/ storage and material recovery shed are properly maintained. • Dedicated support staff for the collection, segregation and material recovery.	• Local bodies are the responsible agencies for the disposal of solid wastes. College has entered in to an agreement with Irinjalakuda Muncipality for uninterrupted waste disposal including plastics, paper and metals.
Paper waste from departments and administrative office	• Paper recycling unit installed in the College campus, which converts the waste paper to usable items.	• Double side printing is promoted in the College. • Part of the paper waste is used by NSS volunteers to make paper pen. • Remaining part is recycled in the Paper recycling unit.
Chemical waste from laboratory, spent/ expired chemicals: To be handled as per the HOWM (Hazardous and Other Waste Management) Rules, 2016.	• Proper, fool proof and secure storage space for storing such wastes are made in the College.	• Chemical waste are handed over to agency which disposes it ath the special facility at Ambalamugal, Kochi.
Biotechnological/ Microbiological laboratory waste: To be handled as per the Bio medical Waste Rules (BMW, 2016.	• Colour coded storage bins are placed at the respective laboratories. • Wall mountable sanitary napkin dispenser / destroyer/ incinerator installed at ladies toilets.	• The biotechnology research waste is disposed according to the guidelines BMW rules at Ambalamugal, Kochi. • The NSS volunteers manage the sanitary napkin dispenser and support staff carries the regular maintenance.
Electronic waste and battery	• Storage space	• College has an MoU with Progressive E Cycling and Trading which collects E- waste and is approved by CPCB. • Battery buy back system with approved battery dealers/ sellers.

Canteen wastewater/ grey water from urinals/ wash rooms/ general wastewater.	• Waste pits .	• Waste pits are properly maintained and periodical checkups are done.
Emissions from laboratory	• Appropriate air handling/ exhaust systems complete with suction manifolds, network of ducts and blower are installed in all laboratories.	• The exhaust systems are periodically maintained.

CONTRIBUTION TO ENVIRONMENT

- It is the policy of the College to contribute to environment and thereby reduce the environmental foot prints. College has taken following measures at the policy level.
- Plant and grow minimum two hundred saplings of indigenous fruit mango and jack fruit through the flagship programme 'Entae Maavu Entae Swantham Naatu Maavu' (My own mango tree) and 'Entae Chakka'(My own Jack fruit).
- Increase the solar energy capacity by 100KWh per year in next five years if approved Government of Kerala (Presently College has achieved the maximum permissible level approved by Govt.).
- Increase the capacity of rain water harvesting capacity to 100,000 litres in next five years.
- Replace the conventional light bulbs to LED periodically and achieve 100% replacement in next two years. change 100 numbers every year.
- Reduce the use of paper every year at least 20 % than the previous year by making paper less procedures in office and departments.

FEEDBACK

- Christ College staff and students may provide feedback about this document by emailing iqac@christcollegeijk.edu.in

APPROVAL AND REVIEW DETAILS

Approval and Review	Details
Approval Authority	Governing council
Administrator	Principal
Approved on	11th December 2020
Reviewed on	29th April 2023
Next Review Date	29th April 2025