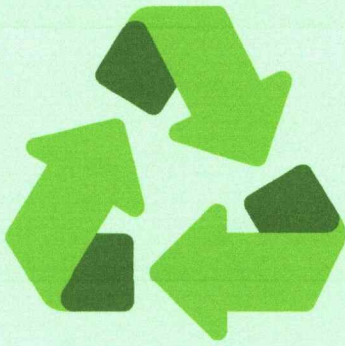
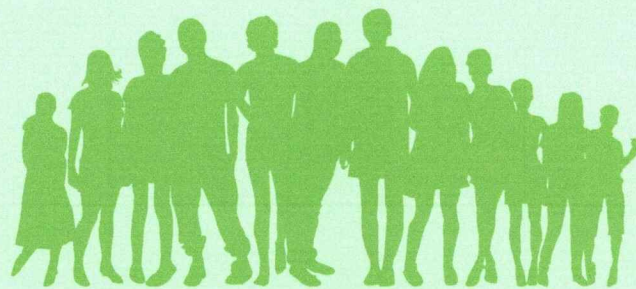




SACRED
HEART
COLLEGE
Autonomous



ENVIRONMENT AND ENERGY POLICY 2019



Sacred Heart College
(Autonomous)
Thevara, Kochi 682 013

INTERNAL QUALITY ASSUREANCE CELL (IQAC)

ENVIRONMENT AND ENERGY POLICY

Revised 2019

Sacred Heart College

(Autonomous)

Thevara, Kochi, Kerala 682 013



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CONTENTS

Vision, Mission and Core Values	3
Introduction	4
Statement of the Policy	5
Environment and Energy Usage Principles	6
Green Campus Goals	9
Conclusion	10

VISION, MISSION AND GRADUATE ATTRIBUTES

Vision

Fashioning of an enlightened society founded on a relentless pursuit of excellence, a secular outlook on life, a thirst for moral values as well as an unflinching faith in God.

Mission

To provide an environment

- that facilitates the holistic development of the individual
- that enables the students to play a vital role in the nation building process and contribute to the progress of humanity.
- that disseminates knowledge even beyond the academia.
- that instils in the students, a feel for frontier disciplines and cultivates a concern for the environment.

by setting lofty standards in the ever-evolving teacher-learner interface.

Graduate Attributes (Heartian Dna)

Faith in God and faith in oneself

Physical and mental fitness

Self-awareness and emotional intelligence

Intercultural and ethical competency evidenced through a readiness to serve humanity (SH) & planet

Critical thinking, problem solving and research aptitude

Deep discipline knowledge

Readiness to take the first step (leadership)

Teamwork and communication skills (career readiness)

Introduction

Sacred Heart's Environment and energy policy stems from the motto, vision and mission statements of the college and as an institution excellence; it is our responsibility to creatively respond to the continuing deterioration of ecosystems on which we depend for our well-being as a society. The integration of safer ecosystems and environmental protection, efforts to meet the basic needs of human beings and to provide a better quality of life for all, and the integration of environmental and developmental concerns will lead to a safer and more prosperous future. Sacred Heart with its innovative initiatives and excellent leadership in higher learning is committed to society to assume a major role in environment protection and climate change moderation. Sacred Heart adapts itself to the *Swachh Bharath Abhiyan*, the most significant campaign by the Government of India, through its active participation in generating power through renewable energy sources. With nearly 304 million Indians without access to electricity, and about 500 million people, still dependent on solid bio-mass for cooking, it may be acknowledged that the country has to still go a long way on securing its energy security objective. While India strives to achieve a double-digit growth rate in its national income, making clean energy available to all of its citizens, ought to be included as a key component of the poverty alleviation programmes. Sacred Heart College, with its capacity as an autonomous institution has introduced several innovative ideas for green initiatives, energy efficiency and sustainability in the campus.

Statement of Policy

The protection of environment is a global issue and it is not an isolated problem of any area or nation. This has to be addressed collectively by everyone in society as the world is such small unit and everything is interconnected irreversible. Everything affects everyone and a nuclear test carried out in one part of the world will be carried by winds to any other part of the world. Human survival depends not only on human well-being but also on the well-being and protection of the environment. Man's scientific and technological progress has deposited him with far greater power over nature, which has resulted in the unthinking use of power and the infinite penetration of nature and environment. There is a great youth revolution is taking place in Europe under the leadership of the young Greta Thunberg, while the world nations have pledged themselves to the sustainable development goals, with very pertinent areas like sustainable cities and communities (Goal No. 11), responsible consumption and production (Goal No. 12), Climate Action (Goal No. 13), life below water (Goal No. 14), life on land (Goal No. 15) and partnership for the goals (goal 17), expected to be attained by 2030.

Government of India has formulated National Mission for Sustainable Agriculture (NMSA) 2019 for promoting sustainable agriculture through a series of healthy practises such as; 'Improved crop seeds', 'Water Use Efficiency', 'Pest Management', 'Improved Farm Practices', shifting to environmental friendly technologies, adoption of energy efficient equipment, conservation of natural resources and integrated farming. Therefore, as a responsible higher education institution, it is our responsibility to have a policy for the protection and upliftment of sustainable development considering all the stakeholders associated with the institution.

The Environment and Energy Policy of Sacred Heart College applies to the main campus and the East campus as well as to all academic, curricular, and extracurricular activities and programs of the College. It will help us to embed efficiency and environmental awareness into our every-day activities, such as minimising the impact on the environment and cutting pollution and waste by

using energy efficiency measures; for example, switching off lights, minimising waste, pooling of vehicles, plastic free campus, using carry bags, promotion of bicycles, organic farming and production of consumable products etc. In 2018, College received the Biodiversity Award from the Government of Kerala for its efforts in the field of environmental protection and organic farming. The East Campus of the College is designed in what is known as the Green Building, with innovative architectural features to have an eco-friendly campus. The reorganization of existing institutional arrangements is a necessity of the time, and requires a strong government policy perspective in terms of environmental aspects.

Environment and Energy Usage Principles

College Environment Policy - SH College has a strong environment policy and it always put effort in conveying the same to the students, local people and other stakeholders. The policy goes thus: Sacred Heart College is committed to protection and promotion of life on the planet. It believes in 'go-green and grow green'. As a matter of practice, it shall;

- Seek to spread and deepen awareness on environment issues and an environment friendly life-style among the academic community and neighbourhood community
- Pay special attention to minimizing waste, especially plastic waste that doesn't degrade, with 'zero waste'. This is an ideal management properly implementing with advance planning. Therefore, we take utmost care while conducting of the activities/programmes/celebrations to avoid or minimize the use of disposables and flex banners.
- Introduced and practiced recycling the material that doesn't degrade, at the student level through Entrepreneurship Development Cell, and at the college level, by establishing a paper recycling unit in due course

- Tap renewable energy resources including solar energy, rain water harvesting etc. as much as possible.
- Protect and promote diversity, especially of indigenous and coastal flora and fauna and their documentation.
- Promote organic vegetable and food production by students and local community with the involvement of students and faculty.

Heartians pledge to fulfil its commitment to the environment through the following levels of actions:

1. Achieving transparency about our environment and energy impact, giving importance to our own carbon footprint, through institutional reporting.
2. Integrating energy and environmental considerations into the design of all new infrastructural facilities at Sacred Heart.
3. Improving operational efficiency and minimising impact on the environment.
4. Improving resource efficiency in operations, especially for key resources such as energy and water.
5. Adopt a sustainable water conservation and water management philosophy.
6. Strive towards a GREEN CAMPUS
7. Continuous monitoring and reviewing of objectives to achieve continual improvement in environmental and climate performance.
8. Preserve and enhance biodiversity in both campuses.
9. Educate the administrators, students, teaching and staff with seminars and sessions on environment sustainability
10. Focussing on renewable energy systems like solar energy and wind energy.

11. Focussing on increasing water efficiency and sustainable waste management.
12. Funding for research and Development on environmental aspects, challenges, issues and solutions.
13. Foster innovation through the use of innovative technologies to minimise atmospheric emission and energy consumption.
14. Engage in dialogue with the stakeholders, co-operate with universities and industry, and actively work with national and international organizations in the areas of environment, energy efficiency and sustainable development.
15. Review environmental policy and systems to ensure continued applicability and relevance of its purpose.
16. Support various local communities to engage in environmental friendly initiatives and practices.
16. Efforts must be taken to improve environmental knowledge and awareness among public and student and teaching community to gain support, consensus, and commitment of individuals in the identification, preparation, implementation, monitoring and evaluation of environmental programmes.
15. This policy will be communicated to the administrators, students, teaching and non-teaching staff via the Sacred Heart mail system. It will be made available to the public through the College website (<https://www.shcollege.ac.in>)
16. Gobar Gas plant - The management residence kitchen energy needs are being managed by a huge gobar gas plant. Water boiling in the college canteen is entirely done on energy generated from bio-gas from kitchen waste.
17. Car Pooling - Two teams of staff members practice carpooling so as to save energy and save money.

Green Campus Goals

- Improving the carbon efficiency by 50% by 2025, compared to 2019.
- Reduce local air pollution emissions by 2025 by promoting the use of public transportation, and
- Banning the entry of vehicles in campus.
- Promote pooling of vehicles by teachers
- Celebrate NO VEHICLE DAY once in a month
- Promotion of Khadi material in the campus
- Complying with the applicable international, regional and national environmental regulations, as well as legal requirements regarding energy consumption and energy efficiency.
- Awards and recognition to students and teachers who use bicycle regularly.
- Taking additional measures by reducing energy consumption
- Considering environmental aspects and energy efficiency in all major investment and procurement decisions- adopt a green procurement philosophy
- Incorporate environment education through curricular and extracurricular activities.
- Follow the government measures like GREEN PROTOCOL and beyond in all the programmes of the college.
- SH Centre for Organic Farming Ornithology and Biodiversity (SHCOOB)- Monitor and guide the activities at extension centre at Arayankav. Development of extension center is to promote bio-diversity, organic farming, ornithology, and community environment education.
- Promotion of Extension Centre Ecotourism Habitat at Araynkavu
- Cooperate and collaborate with likeminded regional, national and international organisations.



- Teach students and community regarding various ecological problems facing the Earth.
- To develop expertise in the fields of water quality management, water conservation, environment audit, bio-diversity (flora-fauna) assessment and documentation,
- Create an incentive system for teachers and students to implement sustainable use of eco-friendly practices in the home and personal lifestyle.

Conclusion

Until recently, environmental issues have been ignored by all and no one seemed to be concerned. Decision makers at all levels were worried about profit and whose main objective was generally focused on profit maximization. At present, people started realizing that the environmental system is a key to development and that it has a finite capacity to provide for human needs. At Sacred Heart, ample concern is given to the environment as the institution aims towards sustainability. New approaches and a holistic policy are needed to address the present-day challenges involving all relevant partners and sectors. Heartians shall strive to fulfil our obligations and commitments to the environment as a truly responsible global citizen. The policy will be reviewed in the second week of July every year by the designated committee. Green Campus provides an opportunity to create a clean environment in the campus and surrounding areas. Sacred Heart College takes the initiative to make organic products such as jam, squash, processed rice and rice flour to serve as role model for community and also to support and strengthen the agriculture. This document is an attempt to lay the basis for the development and use of health and environmental indicators in sustainable development planning. As an institution of higher learning, Sacred Heart can play a key role to harmonise health, environment and development process more effectively in society.




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