CHAPTER-7

GREEN LIBRARY: CONCEPT, FEATURES AND ELEMENTS

Dr. Veena Eranna Ankad

Librarian, Vijnaneshwara Government Law College, Kalaburagi, Karnataka

E-mail: ankad.veena@gmail.com

ABSTRACT

Green design is an emerging trend, defining the library of the 21st century. Green Library Movement which comprised of librarians. Libraries, cities, towns, college and university campus is committed to greening libraries and reducing eco-degradation. The concept highlights the conditions of green library is of recent origin and is under the process of evolution. And role of Librarian features of green library, initiatives in India. The term green library is a very new view that is still evolving. Being an evolving concept it is gaining popularity among the scholars, academicians and library professionals all around the world as a growing view. The amount of information available on Green Library and sustainability is limited but it is increasing to grow. In recent years, the interconnected topics of green libraries and sustainability have garnered lot of attention in numerous publications aimed at international librarians. Green library is a great deal of coverage in recent years in various publications targeted towards world librarians. This article defines the term "green library", lists its benefits and examines the elements of a green library.

Keywords: LEED Certification, Green Library, Environmental Impact, Eco-friendly Architecture

INTRODUCTION

According to the library and information science Green library or sustainable library is defined as a library designed to minimize negative impact on the natural environment and maximize indoor

environmental quality by means of careful site selection, use of natural construction materials and biodegradable products, conservation of sources like water, energy, paper and responsible waste disposal recycling etc., our life styles are influencing and changing at a faster rate as science and technology improve. Today, demand for anything is rapidly expanding, and we are harnessing this ability to meet our never-ending needs. In this scenario, we are overlooking something critical that must be addressed before we discuss sustainable development in our rapidly changing world. It's just the word 'green' which is really important for a healthy survival. We've noticed that, over the last few years, interest in the green revolution has grown in practically every sector, including the library. Libraries, which serve as knowledge gateways today, are particularly accountable for not just promoting the view of sustainability, but also for leading by example and thereby functioning as role models. Green features should be incorporate into the operations of today's libraries. There are a number of reasons why libraries should include green characteristics in their structures. It is essential for the health of library patrons as well as the mother earth in which we all live. To summarize, a Green Library or Sustainable library is a modern library that uses environmentally friendly building materials. Maximizes the use of natural resources, reduces waste, maximizes the use of renewable resources and conducts its operations in a more cost effective and effect manner.

Environment means the surroundings or conditions in which human beings. Organizations, animals or plants live and operate. Enlivenments can be natural, social or cultural. Sustainable development is development that "meets the needs of the present without compromising the ability of future generations to meet their own needs" present environments are endangered climate change and other threats including social inequalities. All organizations should strive to protect the environment through sustainable development. This includes all kinds of libraries, which can play an active and significant role in sustainable development.

WHAT IS A GREEN LIBRARY?

According to Indian Green Building Council, "A green building is one which uses less water, optimizes energy efficiency, conserves aural resource, generates less waste and provides healthier spaces for occupants, as compared to a conventional building.

The Online Dictionary of Library and Information Science (ODLIS) defines green sustainable libraries, as a library designed to minimize

negative impact on the natural environment and maximize indoor environmental quality by means of careful site selection, use of natural construction materials and biodegradable products, conservation of resources and responsible waste disposal.

DEFINITIONS

- Going Green means to purpose knowledge and practices that can lead to more environmental friendly and ecologically responsible decisions and lifestyles, which can help protect the environment and sustain its natural resources for current and future generations.
- The California integrated waste management board defines green building as a "A structure that is designed, built, renovated, operated or reused in an ecological and resources efficient manner."
- There is no clear definition of the term 'green library'. When we say 'green library'. We mean the entire library operations and building. So the concept seems to be quite broad. In simple words, a 'Green Library 'is an environment-friendly or eco-library. A 'green' or 'sustainable library' is a structure designed, built, renovated, operated or reused in an environmentally and resource efficient manner.

What is the Green Book for Libraries?

Green Book for Libraries is a crowd-sourced resource for Black, Indigenous and People of Color in Library and Information science field to review Library and Information Science workplaces and programs.

CONCEPT OF GREEN LIBRARY

A green library may be a library that uses latest and cutting edge technology in designing a library building and providing services to its user in ecofriendly environment. The concept "Green Libraries" emerge in the early 90s. Green is about sustainability. Going green is making choices that protect, preserve and replenish the Earth's resources.

Today mankind has realized that one important thing has been missed and it has come in this age of technology. Therefore, making the world green again has become a tread in many countries, regions, institutions, universities, companies, organizations, institutions and libraries.

Henceforth, the green library model or the sustainable library model came into discussion. It is also a new vision and challenge for librarians.

Features of Green Library

Green libraries are described as environmentally friendly or sustainable libraries. And every green library must have particular characteristic, such as:

1. Proper location or most suitable site
2. Reflective roof and land use
3. Use of natural, recycled and locally available materials.
4. Use of the reflecting roof a ground
5. Use of insulating windows water, energy and paper maintenance
6. Use of energy-efficient lighting to reduce consumption
7. System for optimized cooling
8. Appropriate plantation both side and outside the building.
9. Circulation of fresh and healthy air
10. Use of environmentally friendly technology
11. Creating Electricity

ROLE OF THE GREEN LIBRARIAN

The role of librarian is important in the Green Library Movement. They should always be aware that a green library is just about taking care of the environment. It is about caring for and protecting the health and well-being of those who work in them in the mission of building a green library. Librarians should always strive to promote the green library movement.

- Users can access e-books, e-journal etc. encouraging use, can act as tools to save space and paper and reduce costs. Practices such as making soft copies, microfilming old an obsolete books and getting rid of old and outdated textbooks, which help in optimal space utilization.
- Using various electronic media and online communication tools such as social media provides many benefits to library management and users.

- Working within an eco-library system and identifying those willing to work in such an environment can strengthen the movement.
- Encouraging green library tools a methods and cheering others to practice them can confirm active contribution in all these matter.
- Encouraging other librarians to go green library through talks, seminar and conferences can help them join hands.
- Handle and mange library budgets to support institution, it can ensure optimum utilization of financial resources and ensure economy in operation.
- Using wooden furniture and other recyclable materials makes the place completely eco-friendly and sustainable.
- Use of wool bricks instead of burnt bricks as constructions material is considered environment friendly
- Using recyclable paper insulation is considered to be the ultimate trick to making a building eco-friendly.
- Replacing steel material with bamboo, fiber, it is also considered an environmentally friendly material.
- Taking necessary steps to conserve energy, water, paper etc., not only saves resources and costs significantly but also brings sustainability.
- Appropriate planting with lawns inside and outside the library to reduce dust and keep the environment cool.

ELEMENT OF GREEN LIBRARY

Community and Locality

In general, the Green Library Movement began in the early 1990's and is slowly gaining prominence in the field of library and information science. Many library experts are working on the concept of a green library. Which will use natural and regional building materials, reduce water and power usage and employ environmentally friendly technology? Though it is still in its infancy, we must recognize that a green or sustainable library is one that is designed, built, rebuilt, operated or reused in an environmentally a resource conscious manner. There are numerous ways to promote the concept of a green library, including the use of environmentally friendly or recycled and as Library is heart of any institution or University or any department, it should be in a perfect locality such as away from the noise zone like

club, auditorium, entertainment hall etc., to make patron concentrate on their study. Also public transportation system to reach library is a necessary element which should need extra attention while choosing location. There are various guide lines have been given by different agency and organization.

Area

India's diversity is not only on its languages, culture and traditions but also it differentiates itself by its locality, weather and area. So before planning for a constructional setup it is most important duty of the institutional head is to think about all sides benefit and drawback of it, just like separate plans for hilly area and a plain area setup.

Constructional Material

While we think about green library the first thing which comes in to min is the library building. There are lots of standards and protocols in India and outside India to make a green building by using recyclable an environment sustained materials.

IGBC (INDIAN GREEN BUILDING COUNCIL) IS A PART OF CII (CONFEDERATION OF INDIA INDUSTRY)

It was formed in the year 2001. The vision of the council is, to enable a sustainable built environment for all and facilitate India to be one of the global leaders in the sustainable built environment by 2005. The council offers a wide array of services which include developing new green building rating programs. The council also organizes Green Building Congress, its annual flagship event on green buildings.

The council is committee-based, member-driven and consensus focused. All the stakeholders of construction industry comprising of architects, developers, product manufactures, corporate activities through local chapters. The council also closely words with several state governments central government, world green agencies in promoting green building concepts in the country.

Choice of Site: Any college, institution. University, or department's library it is beating heart. It should be location to encourage people to focus on their reading or study. Accessibility or accessibility via public transit is an important factor that should be considered when looking for a site. Various agencies and organization, such as LEED, USGB and Indian Green Building Council (IGS), have provided recommendations for developing green libraries, which must be considered.

Maintenance of Water: It is one of the most important resources necessary in both homes and offices. Because it is rare and valuable, it must be handled with care. A library should practice adequate water management to maintain it clean sanitary and environmentally friendly. Rainwater harvesting system, low-flow fixtures and waterless urinals are just a few of the ways libraries may conserve and make the best use of water.

Maintenance of Energy: Although energy consumption is unavoidable, it should be reduced. It can be saved in a library in a variety of ways. A library can have enough windows, glass windows, natural lighting, energy efficient bulbs and lights and so on. Even required electricity can be creating utilizing direct sunlight by installing solar panels on the library's roof.

Stuff of Structure: The library building is the first thing that comes to mind when we think of a green library. There are numerous sands and procedures available in India and elsewhere for constructing green buildings using recyclable and environmentally friendly materials. The Indian Industry and it provides services such as green building rating programs, training programs and certification services. LEED is internationally recognized programs for designing environmentally friendly, high-performing green building that contribute to a healthy environment.

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CONCLUSION

A Green Library or sustainable Library is a modern library that uses environmentally friendly building materials, maximizes the use of renewable resources and conducts its operations in a more cost effective and efficient manner. Greening the library environment has become significantly more important in recent years. In this environment, library professionals should make some real decisions and take necessary efforts to green their libraries, as well as participate in the green library movement. Many national and international organizations are offering assistance in making libraries more environmentally friendly. However, library users, librarians and the government should all take action and actively participate in the green library movement to ensure its success. It's worth nothing that today's libraries, as knowledge gateway, are especially accountable for not just

promoting the concept of sustainability, but also for leading by example. Always remember that taking tiny actions toward turning green might yield enormous rewards over time.

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