



Project work  
Environmental studies

**Topic:**

*The importance of Greening an institutional campus*

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Submitted to

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## INTRODUCTION

A green campus is a place where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus.

College greenery: sustainable environment reduce absenteeism, improve health of students and staffs, and increase indoor air, quality. Sustainable college offers more opportunities for outdoor and hands on learning, which inspires the next generation of environmental stewards.

a green University is an educational institution that meets it's needs for natural resources, such as energy, water, and materials, without compromising the abilities of the people in other countries as well as future generations to meet their own needs.

Universities should emphasise the importance of energy conservation, renewable energy, waste management, green commuting, and supporting land eco system by implementing these strategies in the curriculums and daily activities of the university for sustainable development

## How to make a successful green campus:

The for a successful green campus must begin at the top and emanate throughout the rest of the campus. Without a strong message of commitment and involvement from both the president and the administration, well\_ intentioned initiatives may be too fragmented to allow for campus \_ wide participation and too easily undermined by nay Sayers and other obstacles.

Once the decision to become a green campus is made, the real work begins . While no two campuses are alike, an approaches to launching and maintaining a green campus will differ from place to place , there are some basic ingredients that will help ensure success :

### 1. Established green campus environmental ethic awareness campaign:

Make it known campus wide that a new environmentally responsible way of doing business is in the offing. outreach and education from the beginning is important so that all the members of the campus community are well versed and supportive of the initiative.

### 2. Established a green campus organisational structure and team to facilitate and co-ordinate your initiative and establish a strategic plan:

Make sure the team is representative of the student body and every campus department. Include all relevant parties from the very beginning . The participation and input of physical plant and maintenance personnel . The backing of your college/ University president is essential.

### 3. Develop a strategic plan:

Be sure it includes policy and curriculum reforms that reflect your stated " green campus" mission.

### 4. Create students team to carry out specific task of the strategic plan:

The teams should work closely with faculty and administrative staff. If established as course work, these programs should be listed in the course syllabus with an explanation that is a projected orientation course requiring considerable work outside the classroom. Be sure that teams are large enough so that green campus work does not overwhelm their other studies and that students and faculty advisor are willing to the necessary time commitments to support the programs.

5. Evaluate daily operations in terms of pollution prevention , waste stream management, an energy efficiency \_ reducing, reusing, recycling , repairing wherever possible.
6. Implement business practices that are environmentally responsible, efficient and in harmony with your green campus. Address life cycle analyses \_ Buying cheaper may sometimes have serious environmental or financial drawbacks.
7. Determine and document short-term and long-term economic benefits. Do not forget to include the benefits the of environmental compliance and improved health and safety .
8. Secure a commitment up front from the people in charge that well-founded recommendations will be acted upon once audits are complete.
9. Make the commitment to a long-term program of system -wide environmental re-education and retooling.

## **The importance to having a green campus in institutionsinstitutions:**

- 1. DORMS AND ACADEMICS BUILDINGS WITH CLEAN AIR AND NATURAL LIGHT:** Green colleges make a point to account for sustainable living when designing and operating their buildings. Many of their facilities incorporate natural lighting, improve air quality and reduce energy and water use. On many campuses green or "living" roofs absorb rainwater and provide insulation while lights on timers save schools money as well as energy. In turn, these attributes foster more welcoming academic and social communities and social communities and result in buildings that are better places to live, learn, and play.
- 2. PLENTY OF HEALTHY AND FRESH DINING OPTIONS:** Eco-friendly colleges believe that food taste better when it's local and organic. They forego long distance, low-grade cafeteria food and offer their students fresh and local cuisine, from campus farms or markets, whenever possible. Many schools are 100% trayless (to reduce water usage, food waste and electricity), compost kitchen food waste.
- 3. AN EASY COMMUTE TO CLASS:** Consider how mobility plays into your standard of living. How "walkable" is a particular campus? Other transport via campusshuttle, or offer a myriad of other transportation options, from free bus passes to car-share programs.

## **Campus Sustainability and Environmental Responsibility: Integrating Green Practices into Institutional Strategies:**

### 1. The Urgency of Sustainable Practices in Higher Education:

As global environmental challenges continue to mount, the role of higher education institutions in championing sustainability has never been more critical. Campuses can serve as laboratories for innovative solutions and demonstrate the practical application of sustainable principles.

### 2. From Awareness to Action: Fostering a Culture of Sustainability:

The first step towards campus sustainability is raising awareness and fostering a culture of environmental responsibility. This involves education, engagement, and initiatives that empower students, faculty, and staff to become active participants in sustainability efforts.

### 3. Energy Efficiency and Renewable Energy Initiatives:

Implementing energy-efficient technologies and transitioning to renewable energy sources can significantly reduce an institution's environmental footprint. From solar panels to energy-efficient building designs, there are myriad ways to harness sustainable energy solutions.

### 4. Waste Reduction and Recycling Programs:

A comprehensive waste management strategy, including recycling programs and waste reduction initiatives, can significantly minimize an institution's environmental impact. This includes composting programs, single-stream recycling, and initiatives to reduce overall waste generation.

### 5. Green Building and Infrastructure Practices:



From LEED-certified buildings to sustainable landscaping, integrating green practices into campus infrastructure can transform the physical environment. This not only reduces resource consumption but also creates healthier, more inspiring spaces for learning and innovation.

6. Sustainable Transportation and Mobility:

Promoting sustainable transportation options, such as biking, walking, and public transit, can reduce emissions and alleviate traffic congestion. Additionally, investing in electric vehicle charging stations and carpooling programs can further promote eco-friendly mobility.

7. Incorporating Sustainability into Academic Curriculum:

Sustainability should be woven into the fabric of academic programs. By offering courses, majors, and research opportunities focused on environmental issues, institutions can equip students with the knowledge and skills to be leaders in sustainability.

8. Partnerships and Community Engagement for Environmental Stewardship:

collaborating with local communities, environmental organizations, and industry partners can amplify the impact of sustainability efforts. These partnerships can lead to joint initiatives, research opportunities, and shared resources for achieving collective environmental goals.

9. Measuring Progress and Setting Targets for Sustainability:

Establishing clear metrics for sustainability performance and setting targets for improvement is crucial. Regular assessments and reporting mechanisms can track progress and provide a transparent account of an institution's environmental efforts.

## **Steps in green campus:**

### **1. Strategic Planning:**

Institutions that cultivate a vision of sustainability must adopt sophisticated strategic planning to allow their top management to assess the full range of the institution's effect on the environment. The institutions auditing and forecasting techniques use by these firms help them anticipate a wide range of external influence on the institution, not just ecological influence.

### **2. The Administration of Management:**

The administration of management has a very important impact on the business decision decisions they make relating to new building design, repair and renovation, building operations and maintenance, procurement practices they make relating to new building design, repair and renovation projects, building operations and maintenance, procurement practices, recycling at various levels, waste management, custodial services, energy management, transportation, food service and food service and dining operations and hostel management.

### **3. Academic Departments:**

The learning model is very well suited to the institutions environment and is a way to integrate knowledge base with local requirements and applications. This can have an immediate benefit depending on the nature of the service requirement. Further educational opportunities exist with developing courses on sustainable development, informal workshops and training as well as distance learning.

### **4. The Institutions Research Activity:**

The research activity of the institution has a significant role in terms of its short and long term impacts. The research activity

includes publication of papers, magazines, journals, research articles, conducting workshops, seminars, awareness programmes on environmental and sustainability issues. Areas for research could also include large scale composting, procurement practices, production methods, alternative energy sources, and any number of building design, construction, operations, and maintenance practices.

#### 5. The Local Society:

The local society can also provide variety of resources to support the sustainability endeavour and which includes alumni, the business community, local public, transportation providers, vendors, utility, suppliers, local organizations and association.

#### 6. Lean and Green campus policy:

The green campus policy of the college envisions a clean and Green Campus where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus and beyond the campus. It also offers the institution an opportunity to take the lead in redefining its environmental culture through instilling environmental ethics among the students and staff. Mission to create environmental consciousness among the society and actively involve in the activities to protect the planet earth from the unscrupulous human invasions for a sustainable pollution free and healthy life ahead.

## **Some paybacks:**

Greening initiative are challenging and required determination and a long-term commitment on the part of the entire campus community. These efforts, however, can yield significant paybacks. Such pay backs includes:

1. Environmental and economic sustainability:

A system wide culture of sustainability help preserve and enhance what you value as an institutions today, as well as for the future.

2. Reputation as a leader through example:

Many colleges and universities fall far short of making their mark as environmental leaders because they fail to practice on the campus what they preach in the classroom. Although colleges and universities offer course in environmental management, engineering, laws and regulations, and assessment, many have failed to comply with environmental requirements or to take part in pollution prevention activities.

3. Economic benefits:

A routine, curriculum-based, environmental audit programs that reveals waste and inefficiency associated with campus activities, coupled with the identification of environmentally friendly alternatives, can yield significant cost savings for your institutions. Without paying outside contractions, you can discover steps often simple steps that your institutions can take to correct and improve environmental problem on campus. In additional, you will improve your environmental compliance and thereby minimize your potential for liability, fines, and clean up costs.

4. Real life work experience for your students:

Environmental audits and pollution prevention evaluation can be integrated into the curriculum, providing student with hands on

investigative and problem solving experience that they can take with them when they enter the workforce. The experience not only makes your students more marketable, it's also provides them with the kinds of broad thinking skills that allow them to succeed and thrive once they are employed.

5. Improved quality of life on your campus: A Green Campus is a cleaner, safer, and healthier place to live and work.

## Conclusion

In conclusion, the Green campus project embodies a commitment to sustainable, fostering a harmonious relationship between the environment and educational spaces. By implementing Eco-friendly practices, energy-efficient technologies and promoting environmental awareness, the project not only enhances the campus but also cultivate a sense of responsibility towards our environment among the students.

The Green campus activity had a multifaceted impact, influencing various aspect of the environment, community and educational experiences. Initiatives like waste management, energy efficiency, and planting of plants contributes directly to the preservation of the environment, reducing the ecological footprint of the campus.

Green initiatives also foster a sense of community and shared responsibility among students, faculty and staff, creating a collaborative approach towards environmental sustainability. It also enhances the institutions reputation, attracting environmentally conscious individuals and organizations and contributing to positive public relations.

In summery, the impact of green campus activities has foster a sense of responsibility and awareness among students, preparing them for a future where sustainability is paramount. It had benefited not just the Institute but also the broader community and the planet as a whole.

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